

SECTION I

PUBLISHED INTERNATIONAL APPLICATIONS

DEMANDES INTERNATIONALES PUBLIÉES

- (11) **WO 99/18767** (13) A2
(21) PCT/CH99/00060
(22) **10 Feb/fév 1999 (10.02.1999)**
(25) de (26) de
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **Not classified / non classée**
(54) ● MODULAR EXPANDABLE SUPPORTING FRAME FOR EXHIBITING GOODS, WITH DISPLAY ELEMENTS
● CADRE PORTEUR MODULAIRE EXTENSIBLE POUR LA PRESENTATION DE MARCHANDISES, AVEC ELEMENTS DE SURFACE D'ETALAGE
(71) **FEHLBAUM & CO.** [CH/CH]; Klünenfeldstrasse 20, CH-4132 Muttenz (CH). **KURY, Werner** [DE/DE]; Oberer Brühl 4, D-79379 Müllheim (DE).
(74) **A. BRAUN BRAUN HERITIER ESCHMANN AG**; Holbeinstrasse 36-38, CH-4051 Basel (CH).
(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
Published / Publiée : (f), (g)
- (11) **WO 99/18768** (13) A1
(21) PCT/US98/21288
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 08/948,864 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A01B 59/043**
(54) ● HYDRAULIC THREE POINT HITCH
● ATTACHE HYDRAULIQUE A TROIS POINTS
(71, 72) **GIBBONS, Robert, A.** [US/US]; 75 Converse Road, Marion, MA 02738 (US).
(74) **TESKA, Kirk** et al. / etc.; Iandiorio & Teska, 260 Bear Hill Road, Waltham, MA 02451-1018 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/18769** (13) A1
(21) PCT/GB98/03048
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 9721311.0 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A01D 34/66, 34/73**
(54) ● MULTI-DISC MOWING MACHINE
● FAUCHEUSE A DISQUES
(71) **KVERNELAND TAARUP AS** [DK/DK]; DK-5300 Kerteminde (DK). **KVERNELAND (UK) LIMITED** [GB/GB]; Folly Road, Roundway, Devizes, Wiltshire SN10 2HP (GB). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **LAURITZEN, Georg** [DK/DK]; Kverneland Taarup AS, DK-5300 Kerteminde (DK).
(74) **ORR, William, McLean**; Urquhart-Dykes & Lord, Tower House, Merriam Way, Leeds LS2 8PA (GB).
(81) AU CA NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
Published / Publiée : (c)
- (11) **WO 99/18770** (13) A1
(21) PCT/NL98/00577
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) nl (26) en
(31) 1007236 (32) **9 Oct/oct 1997 (09.10.1997)** (33) NL
(31) 1009947 (32) **26 Aug/août 1998 (26.08.1998)** (33) NL
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A01D 78/10**
(54) ● AN IMPLEMENT FOR DISPLACING CROP LYING ON THE SOIL
● INSTRUMENT PERMETTANT DE DEPLACER UNE RECOLTE SE TROUVANT A MEME LE SOL
(71) **MAASLAND N.V.** [NL/NL]; Weverskade 10, NL-3155 PD Maasland (NL). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KOORN, Maarten** [NL/NL]; H. Wielen-gastraat 5, NL-3123 CP Schiedam (NL). **VAN HEMERT, Norbert** [NL/NL]; Boksdooom 30, NL-3068 ME Rotterdam (NL).
(74) **CORTEN, Maurice, Jean, F., M.**; Weverskade 10, NL-3155 PD Maasland (NL).
(81) AU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/18771** (13) A1
(21) PCT/IL98/00488
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 121967 (32) **14 Oct/oct 1997 (14.10.1997)** (33) IL
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A01G 25/02**
(54) ● AN IMPROVED IRRIGATION EMITTER UNIT
● UNITE EMETTRICE D'IRRIGATION AME-LIOREE
(71) **HYDROPLAN ENGINEERING LTD.** [IL/IL]; Atidim Science Based Industries Park, P.O. Box 58185, 61581 Tel Aviv (IL). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **MEHOUDAR, Raphael** [IL/IL]; Recanati 12, 69494 Tel Aviv (IL).
(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
Published / Publiée : (a)
- (11) **WO 99/18772** (13) A1
(21) PCT/US98/18792
(22) **10 Sep/sep 1998 (10.09.1998)**
(25) en (26) en
(31) 08/947,913 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A01H 1/02, 5/10**
(54) ● MUTANT MALE STERILE GENE OF SOY-BEAN
● GENE DE STERILITE MALE MUTANT DE SOJA
(71) **MIDWEST OILSEEDS, INC.** [US/US]; 2225 Laredo Trail, Adel, IA 50003 (US).
(72) **DAVIS, William, H.**; 1109 Younkers, Plainview, TX 79702 (US).
(74) **JONDLE, Robert, J.** et al. / etc.; Rothwell, Figg, Ernst & Kurz, Suite 701 East, 555 13th Street, N.W., Columbia Square, Washington, DC 20004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18773** (13) A1

(21) PCT/JP97/03681

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01H 4/00, C12N 5/00**

(54) ● METHOD FOR MASS PROLIFERATION OF MAHOGANY TREES BY TISSUE CULTURE
● PROCEDE DE PROLIFERATION EN MASSE D'ACAJOUS PAR CULTURE DE TISSUS

(71) **SUMITOMO FORESTRY CO., LTD.** [JP/JP]; 7-28, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKAMURA, Kentaro** [JP/JP]; Riveru Kannondai 602, 23-28, Kannondai 1-chome, Tsukuba-shi, Ibaraki 300-26 (JP). **SODA, Ryo** [JP/JP]; Riveru Kannondai 304, 23-28, Kannondai 1-chome, Tsukuba-shi, Ibaraki 300-26 (JP).

(74) **ASAMURA, Kiyoshi** et al. / etc.; New Ohtemachi Building, Room 331, 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100 (JP).

(81) AU BR ID JP KE US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/18774** (13) A1

(21) PCT/NL98/00587

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) nl (26) en

(31) 1007266 (32) **13 Oct/oct 1997 (13.10.1997)** (33) NL

(31) 1007344 (32) **23 Oct/oct 1997 (23.10.1997)** (33) NL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01J 5/013**

(54) ● INTELLIGENT CLAW
● GRIFFE A LAIT INTELLIGENTE

(71) **N.V. NEDERLANDSCHE APPARATEN-FABRIEK NEDAP** [NL/NL]; Parallelweg 2, NL-7141 DC Groenlo (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POSTMA, Ebele, Marten** [NL/NL]; Borculoseweg 34, NL-7244 NN Barchem (NL). **VERSTEGE, Albertino, Bernardo, Maria** [NL/NL]; Smitskamp 27, NL-7121 HM Aalten (NL). **ZENTS, Otto, Theodorus, Jozef** [NL/NL]; Wentholtstraat 11, NL-7131 ES Lichtenvoorde (NL). **ROOSENBOOM, Derk, Jan** [NL/NL]; Buurserstraat 131, NL-7481 EJ Haaksbergen (NL).

(74) **SMULDERS, Th., A., H., J.**; Verenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).

(81) AU CA HR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/18775** (13) A1

(21) PCT/US98/21653

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,398 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 60/088,404 (32) **8 Jun/juin 1998 (08.06.1998)** (33) US

(31) 09/170,445 (32) **13 Oct/oct 1998 (13.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01K 1/00, C01B 13/10**

(54) ● OZONE INJECTION SYSTEM FOR LIVE-STOCK BUILDING
● SYSTEME D'INJECTION D'OZONE POUR LOCAL D'ELEVAGE

(71, 72) **TAI, Paul, Ling** [US/US]; 421 Glazier Road, Chelsea, MI 48118 (US).

(74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302-1476 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18776** (13) A1

(21) PCT/NL98/00582

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) nl (26) en

(31) 1007247 (32) **9 Oct/oct 1997 (09.10.1997)** (33) NL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01K 1/10, 5/00**

(54) ● FEEDING FENCE
● GRILLE POUR LE NOURRISSAGE DU BE-TAIL

(71, 72) **WEELINK, Johannes, Martinus, Willibrordus** [NL/NL]; Tynaarlosestraat 58, NL-9481 AD Vries (NL).

(74) **T JONG, Bastiaan, Jacobus**; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18777** (13) A1

(21) PCT/JP97/03659

(22) **13 Oct/oct 1997 (13.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01K 75/00**

(54) ● BUNDLING DEVICE

● PROCEDE DE NOUAGE

(71) **HIKICHI, Norio** [JP/JP]; 1-25-41, Inadera, Amagasaki-shi, Hyogo 661 (JP). **OKUDA, Toshiaki** [JP/JP]; 3054-1, Kanbara, Kanbara-cho, Hikami-gun, Hyogo 669-33 (JP). **FUJII, Hiko-shige** [JP/JP]; 5-13-8, Gakuen, Sanda-shi, Hyogo 669-31 (JP).

(71, 72) **OHNO, Shiro** [JP/JP]; 4-6-20-201, Toyosaki, Kita-ku, Osaka-shi, Osaka-fu 531 (JP).

(74) **ISHII, Akeo** et al. / etc.; Yachiyo-Building Higashi-kan, Kita 1-21, Tenjinbashi 2-chome, Kita-ku, Osaka-shi, Osaka-fu 530 (JP).

(81) CN ID KR VN.

(11) **WO 99/18778** (13) A1

(21) PCT/KR98/00083

(22) **7 Apr/avr 1998 (07.04.1998)**

(25) en (26) en

(31) 1997/29651 U (32) **15 Oct/oct 1997 (15.10.1997)** (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01K 95/00**

(54) ● FISHING WEIGHT FOR PREVENTING WATER POLLUTION
● LEST DE LIGNE DE PECHE PERMETTANT DE PREVENIR UNE POLLUTION DE L'EAU

(71, 72) **KIM, Manjoo** [KR/KR]; 9-3, 3-9, Seodaesin-dong, Seo-ku, Pusan 602-090 (KR).

(74) **LEE, Joongseop**; 1Ga-4, Bumin-dong, Seo-ku, Pusan 602-071 (KR).

(81) AU BR CA CN ID MX NO NZ SG US VN; EA (RU); EP (AT DE DK ES FR GB GR SE); OA (CF).

(11) **WO 99/18779** (13) A1

(21) PCT/AU98/00833

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) PO 9733 (32) **10 Oct/oct 1997 (10.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01K 97/06, 97/00**

(54) ● ROD AND TACKLE KEEPER/STORAGE
● DISPOSITIF DE RANGEMENT ET DE MAINTIEN D'UNE CANNE A PECHE ET D'ACCESSOIRES DE PECHE

(71, 72) **MENZ, Geoffrey, John** [AU/AU]; Point Turton, S.A. 5575 (AU).

(74) **COLLISON & CO.**; 117 King William Street, Adelaide, S.A. 5000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18780** (13) A1
 (21) PCT/BG98/00017
 (22) **5 Oct/oct 1998 (05.10.1998)**
 (25) en (26) en
 (31) 101955 (32) **9 Oct/oct 1997 (09.10.1997)** (33) BG
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01M 23/38**
 (54) ● METHOD AND DEVICE FOR EXTERMINATING PEST ANIMALS
 ● PROCEDE ET DISPOSITIF D'EXTERMINATION D'ANIMAUX RAVAGEURS
 (71, 72) **GRIGOROV, Grigor Rangelov** [BG/BG]; G.K."Liulin" Bl.618, Vh.G, Ap.64, 1336 Sofia (BG).
 (74) **BENATOV, Emil Gabriel**; Liuliakova Gradina Street, Bl.36B, 1113 Sofia (BG).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18781** (13) A1
 (21) PCT/US98/21232
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 60/061,676 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01N 1/02, A61K 38/05, C07K 5/06, C12N 1/04, 5/02**
 (54) ● DIPEPTIDE APOPTOSIS INHIBITORS AND THE USE THEREOF
 ● DIPEPTIDES INHIBITEURS DE L'APOPTOSE ET UTILISATION DE CES DERNIERS
 (71) **CYTOVIA, INC.** [US/US]; 6650 Nancy Ridge Drive, San Diego, CA 92121 (US).
 (72) **KEANA, John, F., W.**; 3854 Onyx Street, Eugene, OR 07405 (US). **CAI, Sui, Xiong**; 3633 Berryfield Court, San Diego, CA 92130 (US). **GUASTELLA, John**; 40 Exeter, Irvine, CA 92612 (US). **YANG, Wu**; 1 Corte Trovata, Irvine, CA 92606 (US). **DREWE, John, A.**; 2300 Fairview Road #G204, Costa Mesa, CA 92626 (US).
 (74) **ESMOND, Robert, W.** et al. / etc.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18782** (13) A1
 (21) PCT/US98/21433
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 60/061,944 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 09/160,120 (32) **24 Sep/sep 1998 (24.09.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01N 25/00, 25/04, 65/00, 37/08**
 (54) ● WATER-DILUTABLE, MICROEMULSION CONCENTRATE AND POUR-ON FORMULATIONS THEREOF
 ● CONCENTRE MICROEMULSIONNE DELAYABLE DANS L'EAU ET PREPARATIONS DE DEVERSEMENT OBTENUS A PARTIR DUDIT CONCENTRE
 (71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).
 (72) **JON, Domingo, I.**; Apartment 28, 41-51 Kenmare Street, New York, NY 10012 (US). **PRETTY-PAUL, Donald, I.**; 123 Van Nostrand Avenue, Englewood, NJ 07631 (US). **BENNING, Matthew, J.**; 17 Hickory Road, Highland Lakes, NJ 07422 (US). **NARAYANAN, Kolazi, S.**; 33 Carol Place, Wayne, NJ 07470 (US). **IANNIELLO, Robert, M.**; 5330 Berkshire Valley Road, Oak Ridge, NJ 07438 (US).
 (74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, Legal Dept., Building 10, 1361 Alps Road, Wayne, NJ 07470 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18783** (13) A1
 (21) PCT/EP98/06309
 (22) **5 Oct/oct 1998 (05.10.1998)**
 (25) de (26) de
 (31) 197 45 174.8 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01N 25/14**
 (54) ● DISPERSION AGENT FOR GRANULATES WHICH CONTAIN WATER-INSOLUBLE AGROCHEMICAL AGENTS
 ● AUXILIAIRES DE DISPERSION POUR GRANULATS CONTENANT DES PRINCIPES ACTIFS AGROCHIMIQUES INSOLUBLES DANS L'EAU
 (71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **MAINX, Hans-Georg** [DE/DE]; Feldstrasse 17, D-42799 Leichlingen (DE). **WEGENER, Ingo** [DE/DE]; Am Falder 133, D-40589 Düsseldorf (DE).
 (81) AU BR NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18784** (13) A1
 (21) PCT/FR98/02198
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) fr (26) fr
 (31) 97/12887 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01N 25/24, 33/12**
 (54) ● SYSTEM BASED ON A BIOCIDE AND A POLYETHER SILICON FOR DISINFECTING HARD SURFACES
 ● SYSTEME A BASE D'UN BIOCIDE ET D'UN SILICONE POLYETHER ET SON UTILISATION POUR LA DESINFECTION DES SURFACES DURES
 (71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **CARR, John, Frederic** [GB/GB]; 10 Broadwell Close, Abbeymead, Gloucester GL4 4XX (GB). **MIGNANI, Gérard** [FR/FR]; 2, avenue des Frères Lumière, F-69008 Lyon (FR). **VOVELLE, Louis** [FR/FR]; 12, place Croix-Rousse, F-69004 Lyon (FR). **DAVIS, Brian** [GB/GB]; 3 Stone Cross Drive, Sprotbrough, Doncaster DN5 7QH (GB). **VERGELATI, Carol** [FR/FR]; Lieu dit "Villeneuve", F-38118 Saint Baudille de la Tour (FR).
 (74) **FABRE, Madeleine-France**; Rhodia Services, Direction de la Propriété Industrielle, 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HR HU ID IL IS JP KG KP KR KZ LC LK LR LT LU LV MD MG MK MN MX NO NZ PL PT RO RU SE SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18785** (13) A1
 (21) PCT/AU98/00852
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) PO 9765 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A01N 25/30, B01F 17/52**
 (54) ● METHOD AND COMPOSITION
 ● METHODE ET COMPOSITION
 (71) **ORICA AUSTRALIA PTY. LTD.** [AU/AU]; 1 Nicholson Street, Melbourne, VIC 3000 (AU).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **KIRBY, Andrew, Francis** [AU/AU]; 20 Ann Street, Footscray, VIC 3011 (AU). **PARR, Rodney, Walter** [AU/AU]; 13 Wilma Court, Doncaster, VIC 3108 (AU). **TUDOR, Phillip, Robert** [AU/AU]; 5 Gordon Avenue, Elwood, VIC 3184 (AU). **PARRIS, David, Hayshiv** [AU/AU]; 6/2 Manningham Street, Parkville, VIC 3052 (AU).
 (74) **ANGLISS, Michael, L.** et al. / etc.; Davies Collision Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18786** (13) A1

(21) PCT/AU98/00853

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) PO 9766 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 25/30, B01F 17/52**

(54) ● METHOD AND COMPOSITION FOR DISPERSING AN INSOLUBLE MATERIAL IN AQUEOUS SOLUTION

● PROCEDE ET COMPOSITION POUR LA DISPERSION D'UNE SUBSTANCE INSOLUBLE DANS UNE SOLUTION AQUEUSE

(71) **ORICA AUSTRALIA PTY. LTD.** [AU/AU]; 1 Nicholson Street, Melbourne, VIC 3000 (AU). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIRBY, Andrew, Francis** [AU/AU]; 20 Ann Street, Footscray, VIC 3011 (AU). **PARR, Rodney, Walter** [AU/AU]; 13 Wilma Court, Doncaster, VIC 3108 (AU). **TUDOR, Phillip, Robert** [AU/AU]; 5 Gordon Avenue, Elwood, VIC 3184 (AU). **PAR-RIS, David, Hayshiv** [AU/AU]; 6/2 Manningham Street, Parkville, VIC 3052 (AU).

(74) **ANGLISS, Michael, L.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18787** (13) A1

(21) PCT/AU98/00854

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) PO 9767 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 25/30, B01F 17/52**

(54) ● METHOD OF DISPERSING AN INSOLUBLE MATERIAL IN AQUEOUS SOLUTION AND AGRICULTURAL FORMULATION

● PROCEDE DE DISPERSION D'UNE SUBSTANCE SOLUBLE DANS UNE SOLUTION AQUEUSE, ET PRODUIT FORMULE AGRICOLE

(71) **ORICA AUSTRALIA PTY. LTD.** [AU/AU]; 1 Nicholson Street, Melbourne, VIC 3000 (AU). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIRBY, Andrew, Francis** [AU/AU]; 20 Ann Street, Footscray, VIC 3011 (AU). **PARR, Rodney, Walter** [AU/AU]; 13 Wilma Court, Doncaster, VIC 3108 (AU). **TUDOR, Phillip, Robert** [AU/AU]; 5 Gordon Avenue, Elwood, VIC 3184 (AU). **PAR-RIS, David, Hayshiv** [AU/AU]; 6/2 Manningham Street, Parkville, VIC 3052 (AU).

(74) **ANGLISS, Michael, L.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18788** (13) A1

(21) PCT/AU98/00855

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) PO 9767 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 25/30, B01F 17/52**

(54) ● A METHOD OF DISPERSING AN INSOLUBLE MATERIAL IN AN AQUEOUS SOLUTION AND AN AGRICULTURAL FORMULATION

● PROCEDE DE DISPERSION D'UNE SUBSTANCE INSOLUBLE DANS UNE SOLUTION AQUEUSE, ET PRODUIT FORMULE AGRICOLE

(71) **ORICA AUSTRALIA PTY. LTD.** [AU/AU]; 1 Nicholson Street, Melbourne, VIC 3000 (AU). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIRBY, Andrew, Francis** [AU/AU]; 20 Ann Street, Footscray, VIC 3011 (AU). **PARR, Rodney, Walter** [AU/AU]; 13 Wilma Court, Doncaster, VIC 3108 (AU). **TUDOR, Phillip, Robert** [AU/AU]; 5 Gordon Avenue, Elwood, VIC 3184 (AU). **PAR-RIS, David, Hayshiv** [AU/AU]; 6/2 Manningham Street, Parkville, VIC 3052 (AU).

(74) **ANGLISS, Michael, L.** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18789** (13) A1

(21) PCT/US98/21511

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,841 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 25/34, 63/00, A61K 9/14**

(54) ● FORMULATIONS AND METHODS FOR INSECT CONTROL

● FORMULATIONS ET METHODES DE LUTTE CONTRE LES INSECTES

(63) US 60/061,841 (CIP) 14 Oct/oct 1997 (14.10.1997)

(71) **THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 West Seventh Street, Austin, TX 78701 (US). **BIOSTIM, LLC** [US/US]; 8829 Tradeway, San Antonio, TX 78217 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MATTINGLY, Stephen, J.** [US/US]; 746 Slumber Pass, San Antonio, TX 78258 (US). **JOHNSON, David, L.** [US/US]; 305 Wiltshire Avenue, San Antonio, TX 78209 (US).

(74) **HODGINS, Daniel, S.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18790** (13) A1

(21) PCT/US98/21604

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,673 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 37/04, 55/02, 59/00, A61K 31/19, 31/28, 33/38**

(54) ● DISINFECTANT AND METHOD OF MAKING
● DESINFECTANT ET PROCEDE DE FABRICATION ASSOCIE

(71) **NVID INTERNATIONAL, INC.** [US/US]; 28870 U.S. Highway 19 North, Clearwater, FL 34621 (US).

(72) **ARATA, Andrew, B.**; Route 15, Box 1517, Lake City, FL 32054 (US).

(74) **FRIJOUF, Robert, F.**; Frijouf, Rust & Pyle, P.A., 201 East Davis Boulevard, Tampa, FL 33606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18791** (13) A1

(21) PCT/GB98/03025

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721394.6 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **A01N 37/44**
- (54) ● ANTI-MICROBIAL COMPOUND
● COMPOSE ANTI-MICROBIEN
- (71) **THE ASSOCIATED OCTEL COMPANY LIMITED** [GB/GB]; Suite 2, 4th floor, Berkeley Square House, London W1X 6DT (GB).
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- (72, 75) **BREWER, Mark** [GB/GB]; 49 Greenfield Lane, Hoole, Chester CH2 2PA (GB). **PATEL, Rajeshkumar, Natwarlal** [GB/GB]; 7 The Copse, Woolton Road, Liverpool L18 3NH (GB). **WOOLLEY, Steve** [GB/GB]; Wayside, 6 Bryn Gwyn Lane, Northop Hall, Mold, Flintshire CH7 6JT (GB).
- (74) **HARDING, Charles, Thomas** et al. / etc.; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18792** (13) A1
- (21) PCT/US98/21354
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 60/062,018 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A01N 43/04, 43/20, 43/24, 37/34**
- (54) ● METHOD FOR PREPARING SUBSTITUTED 4-PHENYL-4-CYANOCYCLOHEXANOIC ACIDS
● PROCEDE DE PREPARATION D'ACIDES 4-PHENYL-4-CYANOCYCLOHEXANOIQUES SUBSTITUES
- (71) **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **WEBB, Kevin** [US/US]; 13 Old Farm Hill Road, Newtown, CT 06470 (US). **MENDELSON, Wilford** [US/US]; 592 General Learned Road, King of Prussia, PA 19406 (US). **CHEN, Jianhao** [CN/US]; Apartment E202, 28 Egypt Road, Audubon, PA 19403 (US).
- (74) **KANAGY, James, M.** et al. / etc.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (81) AL AU BA BB BG BR CA CN CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18794** (13) A1
- (21) PCT/US98/21789
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,366 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A01N 43/38, 33/02**
- (54) ● METHOD FOR TREATING ALZHEIMER'S DISEASE
● METHODE DE TRAITEMENT DE LA MALADIE D'ALZHEIMER
- (71) **BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION - SMITHKLINE BECKMAN CORPORATION** [US/US]; Limited Partnership No. 1, 101 Orchard Ridge Drive, Gaithersburg, MD 20878 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HOWLETT, David, Robert** [GB/GB]; 12 Beechlands, Bishop's Stortford, Herts CM23 3PL (GB). **MITCHELL, Davina, Elizabeth** [GB/GB]; 19 St. Peters' Avenue, Shelley ngar, Essex CM5 0BT (GB).
- (74) **McCARTHY, Mary, E.** et al. / etc.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (81) AL AU BA BB BG BR CA CN CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18793** (13) A1
- (21) PCT/US98/21061
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
- (31) 60/061,613 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (31) 97203227.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A01N 43/88, B27K 3/50 // (A01N 43/88, 43:12)**
- (54) ● SYNERGISTIC COMPOSITIONS COMPRISING AN OXATHIAZINE AND A BENZOTHIOPHENE-2-CARBOXAMIDE-S,S-DIOXIDE
● COMPOSITIONS SYNERGIQUES COMPRENANT UNE OXATHIAZINE ET UN BENZOTHIOPHENE-2-CARBOXAMIDE-S,S-DIOXYDE
- (71) **JANSSEN PHARMACEUTICA N.V.** [BE/BE]; Turnhoutseweg 30, B-2340 Beerse (BE). **BAYER AG** [DE/DE]; Konzernbereich RP-PL, D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **DE WITTE, Ludo, Antoinette** [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). **VALCKE, Alex, Raymond, Albert** [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). **VAN DER FLAAS, Mark, Arthur, Josepha** [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). **WILLEMS, Willy, Modest, Louisa** [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE).
- (74) **QUAGHEBEUR, Luc**; Janssen Pharmaceutica N.V., Patent Dept., Turnhoutseweg 30, B-2340 Beerse (BE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
- (11) **WO 99/18796** (13) A2
- (21) PCT/EP98/06657
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
- (31) 60/061,534 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 60/061,462 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 60/061,533 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A01N 47/00**
- (54) ● PESTICIDAL COMBINATION
● PRODUIT COMPOSE PESTICIDE
- (71) **RHONE-POULENC AGRO** [FR/FR]; 14/20, rue Pierre Baizet, F-69009 Lyon (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **LEROUX, Bernard** [FR/US]; 2320 Weybridge Drive, Raleigh, NC 27615 (US). **HUBER, Scot, Kevin** [US/US]; 7409 Wisconsin Court, Raleigh, NC 27615 (US).
- (74) **BRACHOTTE, Charles**; Rhône-Poulenc Agro, 14/20, rue Pierre Baizet, F-69009 Lyon (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18797** (13) A1

(21) PCT/US98/21320

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,148 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 59/08**

(54) ● METHOD AND DEVICES FOR TRANSDERMAL DELIVERY OF LITHIUM

● PROCEDE ET DISPOSITIF D'ADMINISTRATION TRANSDERMIQUE DU LITHIUM

(71) **EMORY UNIVERSITY** [US/US]; 1380 South Oxford Road, Atlanta, GA 30322 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NEMEROFF, Charles, B.** [US/US]; 4224 Whitewater Creek Road, Atlanta, GA 30307 (US).
KILTS, Clinton, D. [US/US]; 2033 Westminster Way, N.E., Atlanta, GA 30307 (US).

(74) **PRATT, John, S.** et al. / etc.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18798** (13) A1

(21) PCT/US98/21782

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,375 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 59/22**

(54) ● COMPOSITIONS AND METHODS FOR THE TREATMENT OF PRIMARY AND METASTATIC NEOPLASTIC DISEASES USING ARSENIC COMPOUNDS

● COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES NEOPLASMIQUES PRIMITIVES ET METASTATIQUES A L'AIDE DE COMPOSES D'ARSENIC

(71) **POLARX BIOPHARMACEUTICALS, INC.** [US/US]; 48th floor, 787 Seventh Avenue, New York, NY 10019 (US).

(72) **ELLISON, Ralph, M.**; 218 Mediterranean Road, Palm Beach, FL 33480 (US). **MERMELSTEIN, Fred, H.**; 8 Skyview Terrace, Clifton, NJ 07013 (US).

(74) **POISSANT, Brian, M.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,244 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 63/00**

(54) ● TREATMENT OF NEOPLASMS WITH VIRUSES

● TRAITEMENT DE NEOPLASMES PAR DES VIRUS

(63) US 08/948,244 (CIP)
9 Oct/oct 1997 (09.10.1997)

(71) **PRO-VIRUS, INC.** [US/US]; 16020 Industrial Drive, Gaithersburg, MD 20877 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROBERTS, Michael, S.** [US/US]; 105 Colony Court, Walkersville, MD 21793 (US). **LORENCE, Robert, M.** [US/US]; 9506 Nowell Drive, Bethesda, MD 20817 (US). **GROENE, William, S.** [US/US]; 5746 Windsong Court, New Market, MD 21774 (US). **RABIN, Harvey** [US/US]; 11021 Ralston Road, Rockville, MD 20852 (US). **VON BORSTEL, Reid, W.** [US/US]; 8310 Fox Run, Potomac, MD 20854 (US).

(74) **BYRNE, Thomas, E.**; Nixon & Vanderhye P.C., 8th floor, 1100 North Glebe Road, Arlington, VA 22201-4714 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18800** (13) A1

(21) PCT/US98/21305

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/062,024 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 60/074,681 (32) **13 Feb/fév 1998 (13.02.1998)** (33) US

(31) 60/079,576 (32) **26 Mar/mar 1998 (26.03.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 63/00, 63/02, 63/04, A61K 7/00, 7/06**

(54) ● METHODS AND KITS FOR REMOVING, TREATING OR PREVENTING LICE

● PROCEDES ET KITS POUR L'ELIMINATION, LE TRAITEMENT OU LA PREVENTION DE L'INFESTATION PAR LES POUX DE TETE

(71, 72) **PEARLMAN, Dale, L.** [US/US]; 21063 Christensen Drive, Cupertino, CA 95014 (US). **PEARLMAN, Dara, B.** [US/US]; 21063 Christensen Drive, Cupertino, CA 95014 (US).

(74) **ABRAMS, Samuel, B.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/951,789 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 63/00, A61K 45/05, 39/00, 38/17**

(54) ● METHODS AND COMPOSITIONS FOR THE TREATMENT OF AUTOIMMUNE DISEASE USING HEAT SHOCK PROTEINS

● PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES A L'AIDE DE PROTEINES DE CHOC THERMIQUE

(71) **FORDHAM UNIVERSITY** [US/US]; 441 East Fordham Road, Bronx, NY 10458 (US).

(72) **SRIVASTAVA, Pramod, K.**; 70 Pheasant Run, Avon, CT 06001 (US). **CHANDAWARKAR, Rajiv, Y.**; Apartment 3A, 1255 Weathervane Lane, Akron, OH 44313 (US).

(74) **ANTLER, Adriane, M.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18802** (13) A1

(21) PCT/GB98/03039

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721466.2 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A01N 65/00**

(54) ● A PESTICIDAL COMPOSITION

● COMPOSITION PESTICIDE

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(72, 75) **RYAN, Robert, Eugene** [GB/GB]; Honister, North End, Snetterton, Norfolk NR16 2LE (GB). **MORRIS, Sandra** [GB/GB]; Honister, North End, Snetterton, Norfolk NR16 2LE (GB).

(74) **BALDOCK, Sharon, Claire**; Boulton Wade Tennant, 27 Furnival Street, London EC4A 1PQ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18803** (13) A1

(21) PCT/US98/21713

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,984 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A21B 3/13**

(54) ● METHOD AND APPARATUS FOR PRESSURE BAKING

● PROCEDE ET APPAREIL DE CUISSON SOUS PRESSION

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(74) **GALLENSON, Mavis, S.** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 97/12618 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A21D 13/08, A23C 19/16, 19/084**

(54) ● COMPOSITE FOOD PRODUCT BASED ON CHEESE AND BISCUIT AND PREPARATION METHOD

● PRODUIT ALIMENTAIRE COMPOSITE A BASE DE FROMAGE ET DE BISCUIT ET PROCEDE DE FABRICATION

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(74) **HIRSCH, Denise**; Cabinet Lavoix, 2, Place d'Estienne d'Orves, F-75441 Paris Cedex 09 (FR).

(81) CA CZ HU JP PL SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18805** (13) A1

(21) PCT/US98/20564

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/948,628 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A23B 4/12, 4/24, 4/027, 4/30, A23L 3/358**

(54) ● METHOD FOR OPTIMIZING THE EFFICACY OF CHLOROUS ACID DISINFECTING SPRAYS FOR POULTRY AND OTHER MEATS

● PROCEDE D'OPTIMISATION DE L'EFFICACITE DE SPRAYS DESINFECTANTS A BASE D'ACIDE CHLOREUX DESTINES A LA VOLAILLE ET A D'AUTRES VIANDES

(71) **ALCIDE CORPORATION** [US/US]; 8561 154th Avenue, N.E., Redmond, WA 98052 (US).

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(72, 75) **KROSS, Robert, D.** [US/US]; 2506 Florin Court, Bellmore, NY 11710 (US). **KEMP, G., Kere** [NZ/US]; 8230 84th Avenue Southeast, Mercer Island, WA 98040 (US).

(74) **HERMANN, Karl, H.** et al. / etc.; Seeds and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18806** (13) A1

(21) PCT/US98/19814

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 08/948,877 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A23C 9/12**

(54) ● REDUCED-FAT YOGURT PREPARATION

● PREPARATION DE YAOURT A TENEUR REDUITE EN MATIERE GRASSE

(71) **DAVISCO FOODS INTERNATIONAL, INC.** [US/US]; Suite 210, 1100 W. 78th Street, Eden Prairie, MN 55344 (US).

(72) **DAVIS, Martin, E.**; 415 Lakeview Avenue, Tonka Bay, MN 55331 (US). **BRUNEAU, Jean, Claude**; RFD #7, 30 Jefferson Drive, Londonderry, NH 03053 (US). **NELSON, Laurie**; 9705 Pleasant Avenue, South #1G, Bloomington, MN 55420 (US).

(74) **CARVIS, Thaddius, J.**; St. Onge, Steward, Johnston & Reens LLC, 986 Bedford Street, Stamford, CT 06905-5619 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18807** (13) A2

(21) PCT/EP98/06241

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(31) 97203184.3 (32) **13 Oct/oct 1997 (13.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A23C 19/032**

(54) ● METHOD OF PREPARING A DAIRY SPREAD

● PROCEDE DE PREPARATION D'UN PRODUIT LAITIER A TARTINER

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).

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(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).

(only for / seulement pour AU BB CA CY GB GD GH IE KE LK LS MN MW NZ SD SG SZ TT UG)

(72) **BODOR, Janos**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **KUIPER, Jan**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **LEDEBOER, Adrianus, M.**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **PLEIJSIER, Marinus, Theodorus**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **SMIT, Jan, C.**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **IJS-SELDIJK, Yvon, Maria, P.**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL). **VREEKER, Robert**; Unilever Research Vlaardingen, Olivier van Noortlaan 120, NL-3133 AT Vlaardingen (NL).

(74) **JOPPE, Hermina, Laura, P.**; Unilever N.V., Patent Dept., P.O. Box 137, NL-3130 AC Vlaardingen (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18808** (13) A1

(21) PCT/US98/21283

- (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 08/947,700 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (31) 09/127,573 (32) **31 Jul/juillet 1998 (31.07.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23J 1/20, A23C 9/146**
 (54) ● PRODUCTION OF KAPPA-CASEIN MACROPEPTIDE
 ● PRODUCTION DE MACROPEPTIDES A KAPPA-CASEINE
- (71) **WISCONSIN ALUMNI RESEARCH FOUNDATION** [US/US]; 614 Walnut Street, Madison, WI 53707-7365 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ETZEL, Mark, R.** [US/US]; 1101 Rutledge Street, Madison, WI 53703 (US).
- (74) **SARA, Charles, S.** et al. / etc.; DeWitt Ross & Stevens S.C., 8000 Excelsior Drive, Madison, WI 53717-1914 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18809** (13) A1
 (21) PCT/JP98/00638
 (22) **17 Feb/février 1998 (17.02.1998)**
 (25) ja (26) ja
 (31) 9/277626 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23K 1/16, 1/18**
 (54) ● DRINKING WATER ADDITIVE FOR BIRDS AND METHOD OF ADMINISTERING THE SAME
 ● ADDITIF POUR OISEAUX, A AJOUTER A L'EAU POTABLE, ET SON PROCEDE D'ADMINISTRATION
- (71) **CALPIS CO., LTD.** [JP/JP]; 20-3, Ebisu-Nishi 2-chome, Shibuya-ku, Tokyo 150-0021 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HORIKAWA, Hiroshi** [JP/JP]; Itochu Feed Mills Co., Ltd., 919, Aoki, Kuroiso-shi, Tochigi 325-0103 (JP). **IWASAKI, Kazuya** [JP/JP]; Itochu Feed Mills Co., Ltd., 919, Aoki, Kuroiso-shi, Tochigi 325-0103 (JP). **MIYAZAKI, Hiroshi** [JP/JP]; Calpis Co., Ltd., Food Research Laboratory, 11-10, Fuchinobe 5-chome, Sagami-hara-shi, Kanagawa 229-0006 (JP). **MARUBA-SHI, Toshihiro** [JP/JP]; Calpis Co., Ltd., Food Research Laboratory, 11-10, Fuchinobe 5-chome, Sagami-hara-shi, Kanagawa 229-0006 (JP).
- (74) **SAKAI, Hajime**; Shuwa Kioicho TBR Building, 7, Kojimachi 5-chome, Chiyoda-ku, Tokyo 102-0083 (JP).
- (81) BR CA CN KR MX US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/18810** (13) A1
 (21) PCT/NL98/00555
 (22) **25 Sep/sep 1998 (25.09.1998)**
 (25) nl (26) en
 (31) 1007240 (32) **9 Oct/oct 1997 (09.10.1997)** (33) NL
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23K 1/16, 1/18, C12N 1/22, C12P 23/00, A23N 17/00**
 (54) ● A METHOD FOR PRODUCING ANIMAL FOOD CONTAINING A COLOUR PIGMENT
 ● PROCEDE DE PRODUCTION DE NOURRI-TURE POUR ANIMAUX CONTENANT UN PIGMENT DE COLORATION
- (71) **PENTA PARTICIPATIEMAATSCHAPPIJ B.V.** [NL/NL]; Rijnhaven ZZ15, NL-3072 AJ Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KOUZEH, Matt** [NL/NL]; Rijnhaven ZZ15, NL-3072 AJ Rotterdam (NL). **LAROS, Johannes, Jacobus** [NL/NL]; Rijnhaven ZZ15, NL-3072 AJ Rotterdam (NL).
- (74) **LOUËT FEISSER, Arnold** et al. / etc.; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18811** (13) A1
 (21) PCT/FI98/00787
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 973929 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FI
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23L 1/00, 1/314, 1/325, 1/318, A23B 4/10, 4/20**
 (54) ● WOF INHIBITOR
 ● INHIBITEUR CONTRE LA FORMATION DE GOUT DE RECHAUFFE
- (71) **OY ITARA H.K. AB** [FI/FI]; Bernhardinkatu 5 A, FIN-00170 Helsinki (FI).
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- (72, 75) **KURPPA, Lasse, Juhani** [FI/FI]; Ritarikatu 7 A, FIN-00170 Helsinki (FI).
- (74) **BORENIUS & CO. OY AB**; Kansakoulukuja 3, FIN-00100 Helsinki (FI).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/18812** (13) A1
 (21) PCT/GR98/00024
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 970100382 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23L 1/176, 1/164**
 (54) ● BREAKFAST CEREAL BASED ON COM-MINUTED PAXIMADIA OR SIMILAR PRO-DUCT
 ● CEREALE POUR LE PETIT DEJEUNER A BASE DE PAXIMADIA OU ALIMENT SIMI-LAIRE BROYE
- (71, 72) **RIGOPOULOS, Rigas** [GR/GR]; 15 Arahovis Street, GR-106 80 Athens (GR). **PROTOPAPAS, Marios** [GR/GR]; 7 Hiou, Pefki, GR-151 21 Athens (GR).
- (81) AU CA IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/18813** (13) A1
 (21) PCT/EP98/05858
 (22) **10 Sep/sep 1998 (10.09.1998)**
 (25) en (26) en
 (31) 97308019.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23L 1/212, 1/0524**
 (54) ● PROCESS FOR PREPARING A FRUIT- OR VEGETABLE-BASED PRODUCT WITH PECTIN METHYLESTERASE AND ADDED HY-DROCOLLOID
 ● PROCEDE DE PREPARATION D'UN PRO-DUIT A BASE DE FRUITS OU DE LEGUMES COMPORTANT DE LA PECTINE METHY-LESTERASE ET UN HYDROCOLLOIDE AJOUTE
- (71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG)
- (71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).
(only for / seulement pour AU BB CA CY GB GH IE KE LK LS MN MW NZ SD SG SZ TT UG)
- (72) **GIDLEY, Michael, John**; Unilever Research Colworth, Colworth House, Sharnbrook, Bedford MK44 1LQ (GB). **GOTHARD, Michelle, Gina, Elizabeth**; Unilever Research Colworth, Colworth House, Sharnbrook, Bedford MK44 1LQ (GB). **WHITEMAN, Sally-Anne**; Unilever Research Colworth, Colworth House, Sharnbrook, Bedford MK44 1LQ (GB).
- (74) **WURFBAIN, Gilles, L.**; Unilever N.V., Patent Dept., P.O. Box 137, NL-3130 AC Vlaardingén (NL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18814** (13) A1
 (21) PCT/NL97/00662
 (22) **3 Dec/déc 1997 (03.12.1997)**
 (25) en (26) en
 (31) 97203188.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP
 (34) NL et al. / etc.
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23L 1/302, 1/304, 1/305, A61K 45/06**
 (54) ● PREPARATION FOR THE ENHANCEMENT OF THE ANTIOXIDANT STATUS OF CELLS
 ● PREPARATION PERMETTANT D'ACCROITRE LE STATUT ANTIOXYDANT DE CELLULES
 (71) **QUEST INTERNATIONAL B.V.** [NL/NL]; Hui-zerstraatweg 28, NL-1411 GP Naarden (NL). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **SIEMENSMA, Andries, Dirk** [NL/NL]; Harstastate 21, NL-8926 Le Leeuwarden (NL). **HAKKAART, Marcellinus, Jacobus, Johannes** [NL/NL]; Surinamelaan 18, NL-1213 VN Hilversum (NL). **ZWIER, Hendrik, Jan** [NL/NL]; Helmhout 92, NL-8502 AE Joure (NL). **ZWIJGERS, Albert, Johan** [NL/NL]; Buitenweide 20, NL-5467 MP Veghel (NL).
 (74) **DE BRUIJN, Leendert, C.** et al. / etc.; Nederlands Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/18815** (13) A1
 (21) PCT/US98/21019
 (22) **2 Oct/oct 1998 (02.10.1998)**
 (25) en (26) en
 (31) 08/949,165 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A23L 3/22**
 (54) ● METHOD AND APPARATUS FOR PRODUCING AN ASEPTIC HETEROGENEOUS FOOD
 ● PROCEDE ET APPAREIL DE PRODUCTION D'UN ALIMENT HETEROGENE ASEPTIQUE
 (71) **TETRA LAVAL HOLDINGS & FINANCE, S.A.** [CH/CH]; 70, avenue Général-Guisan, CH-1009 Pully (CH). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **SIZER, Charles** [US/US]; 2408 Marshall Court, Naperville, IL 60565 (US).
 (74) **CATANIA, Michael, A.**; Tetra Pak, U.S. Intellectual Property Dept., 909 Asbury Drive, Buffalo Grove, IL 60089 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

- (11) **WO 99/18816** (13) A2
 (21) PCT/US98/21375
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/943,301 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A44B**
 (54) ● ZIPPER CHAIN PROJECTILE RAMMER
 ● POUSSOIR DE PROJECTILES A CHAINE
 (71) **WESTERN DESIGN HOWDEN** [US/US]; 16952 Milliken Avenue, Irvine, CA 92606 (US).
 (72) **GOLDEN, Michael, D.**; 429 Isabella Terrace, Corona del Mar, CA 92625 (US).
 (74) **HACKLER, Walter, A.**; Suite B, 2372 S.E. Bristol, Newport Beach, CA 92660 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18817** (13) A1
 (21) PCT/US98/20957
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 08/949,578 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 09/104,292 (32) **24 Jun/juin 1998 (24.06.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A44C 5/00**
 (54) ● COMPUTER GENERATED MULTI-WEB MOISTURE PROOF IDENTIFICATION BRACELET
 ● BRACELET D'IDENTIFICATION A FEUILLES MULTIPLES, RESISTANT A L'HUMIDITE ET PRODUIT PAR ORDINATEUR
 (71, 72) **RILEY, James, M.** [US/US]; #4 Picardy Lane, St. Louis, MO 63124 (US).
 (74) **HAFERKAMP, Richard, E.** et al. / etc.; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18818** (13) A2
 (21) PCT/US98/22032
 (22) **16 Oct/oct 1998 (16.10.1998)**

- (25) en (26) en
 (31) 08/951,431 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A45C**
 (54) ● METHOD OF TRACKING OWNERSHIP OF PERSONAL PROPERTY
 ● PROCEDE DE SUIVI DE LA PROPRIETE DE BIENS PERSONNELS
 (71, 72) **BILES, Richard, R.** [US/US]; 1421 North 34th Street, Seattle, WA 98105 (US).
 (74) **CRAINE, Dean, A.**; Craine Associates, Inc., Suite 380, 400 - 112th Avenue N.E., Bellevue, WA 98004 (US).
 (81) AU CA DE GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/18819** (13) A1
 (21) PCT/US98/20433
 (22) **30 Sep/sep 1998 (30.09.1998)**
 (25) en (26) en
 (31) 08/961,774 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A45D 44/08**
 (54) ● PORTABLE SHAMPOO BOWL
 ● BAC A SHAMPOOING PORTATIF
 (71, 72) **MAGEE, Harvey** [US/US]; 6233 Fjord Way, New Port Richey, FL 34652 (US).
 (74) **DURANDO, Antonio, R.**; 2929 E. Broadway Boulevard, Tucson, AZ 85716 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18820** (13) A2
 (21) PCT/EP98/06421
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) de (26) de
 (31) 197 44 622.1 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47B**
 (54) ● SYSTEM FOR PRESENTING OBJECTS
 ● SYSTEME POUR LA PRESENTATION D'OBJETS
 (71, 72) **BAUER, Jörg, R.** [DE/DE]; Gablerstrasse 4, D-88250 Weingarten (DE).
 (74) **BARSKE, Heiko**; Blumbach, Kramer & Partner GbR, Radeckestrasse 43, D-81245 München (DE).
 (81) AU BR CA CN CZ HU ID JP KR MX NO NZ RO RU SG SI SK TR UA US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/18821** (13) A1
(21) PCT/DK98/00445
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) da (26) en
(31) BA 1997 00379 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DK
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47B 47/00, A47F 7/14 // A47B 43/00, 63/00, 87/00, A47F 5/00**
(54) ● RACK
● PRESENTOIR
(71, 72) **GRAMSTRUP, Claus** [DK/DK]; Elmevænget 37, DK-2880 Bagsværd (DK).
(74) **LARSEN & BIRKEHOLM A/S**; Skandinavisk Patentbureau, Banegårdspladsen 1, P.O. Box 362, DK-1570 Copenhagen V (DK).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18822** (13) A2
(21) PCT/GB98/03021
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 9721604.8 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 1/034, A61G 5/14**
(54) ● IMPROVEMENTS IN OR RELATING TO CHAIRS
● AMELIORATIONS CONCERNANT DES FAUTEUILS
(71) **NIAGARA MANUFACTURING LIMITED** [GB/GB]; Colomendy Industrial Estate, Rhyl Road, Denbigh, Clwyd LL16 5TS (GB).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **ALDERSON, Neville, Clifford** [GB/GB]; 40 Hazel Avenue, Braunton, North Devon EX33 2EZ (GB).
(74) **HOWICK, Nicolas, Keith**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18823** (13) A1
(21) PCT/US98/21685
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/062,341 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 3/02**
(54) ● CHAIR EXECUTING OSCILLATORY MOTION
● FAUTEUIL IMPRIMANT UN MOUVEMENT OSCILLATOIRE
(71, 72) **GARLAND, Thomas, A.** [US/US]; 76 Reservoir Circle, Jamestown, RI 02835 (US).
(74) **SUNSTEIN, Bruce, D.** et al. / etc.; Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110-1618 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18824** (13) A1
(21) PCT/IB97/01381
(22) **13 Oct/oct 1997 (13.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 4/52**
(54) ● COMBINATION SEAT AND CARRYING CASE
● COMBINE SIEGE ET MALLETTTE DE TRANSPORT
(71) **ZE LEISURE COMPANY LIMITED** [NZ/NZ]; Level 2, 90 Symonds Street, Auckland (NZ).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **ELLIS, Roly, A.** [NZ/NZ]; 23 Minehaha Avenue, Takapuna, Auckland (NZ). **GLEN, Robert, A.** [NZ/US]; 24531 Penfield Street, Lake Forest, CA 92630 (US). **SWIRSKY, Cedric, M.** [US/US]; 4 Son Morell, Laguna Niguel, CA 92677 (US).
(74) **FISCHER, Morland, C.**; Suite 1050, 2030 Main Street, Irvine, CA 92614 (US).
- (81) AU BB BR CA CN CZ EE FI GE HU JP LK MG MW MX NO NZ PL RO RU SD SG SI SK TT UA US VN; AP (GH KE LS MW SD SZ UG ZW); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/18825** (13) A1
(21) PCT/AU98/00841
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) en (26) en
(31) PO 9741 (32) **10 Oct/oct 1997 (10.10.1997)** (33) AU
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 7/66**
(54) ● SUNSHADE FOR A CHAIR AND A CHAIR INCORPORATING SAME
● PARE-SOLEIL POUR CHAISE, ET CHAISE EQUIPEE D'UN TEL PARE-SOLEIL
(71, 72) **YOUNG, Ronald** [AU/AU]; 3 Collyer Street, Belmont, W.A. 6104 (AU).
(74) **MIZZI, Anthony, Paul**; Griffith Hack, Level 6, 256 Adelaide Terrace, Perth, W.A. 6000 (AU).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18826** (13) A1
(21) PCT/SE98/01832
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) sv (26) en
(31) 9703739-4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 9/02**
(54) ● ERGONOMIC CHAIR
● FAUTEUIL ERGONOMIQUE
(71, 72) **SIMON, Bela** [SE/SE]; P.O. Box 2097, S-103 13 Stockholm (SE).
(81) AL AU BA BB BG BR CA CH CN CU CZ EE GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18827** (13) A1
(21) PCT/US98/21332
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,492 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/061,494 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/066,627 (32) **26 Nov/nov 1997 (26.11.1997)** (33) US
(31) 09/064,297 (32) **22 Apr/avr 1998 (22.04.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A47C 27/10, 27/14, 27/18**
(54) ● MATTRESS STRUCTURE
● STRUCTURE DE MATELAS
(71) **HILL-ROM COMPANY, INC.** [US/US]; 4349 Corporate Road, Charleston, SC 29405 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **REEDER, Ryan, A.** [US/US]; 1126 Franklin Avenue, Brookville, IN 47012 (US). **STOLP-MANN, James, R.** [US/US]; 1011 Travers Drive, Charleston, SC 29412 (US). **DALTON, Roger, D.** [US/US]; 105 Fern Leaf Street, Monks Corner, SC 29461 (US). **WESTERFELD, Steven, R.** [US/US]; 20111 Hickory Road, Batesville, IN 47006 (US).

(74) **WOODBURN, Jill, L.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18828** (13) A1

(21) PCT/US98/13167

(22) **25 Jun/juin 1998 (25.06.1998)**

(25) en (26) en

(31) 60/062,331 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47F 1/08, B65D 75/42**

(54) ● SACHET DISPENSER

● DISTRIBUTEUR DE SACHETS

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OCAMPO BISETTI, Martha, Gisella** [PE/PE]; Avenida Bolognesi, 597, La Punta, PE-05 Callao (PE). **MORENO APARICIO, Jose Alberto** [PE/PE]; Calle Enrique Pastor, 137, San Borja (PE).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).

(81) BR CN ID JP MX TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18829** (13) A1

(21) PCT/GB98/02788

(22) **15 Sep/sep 1998 (15.09.1998)**

(25) en (26) en

(31) 9721516.4 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47F 5/00, 5/10, A47B 47/02, F16B 12/44**

(54) ● A CONNECTION UNIT AND SYSTEM FOR BEAMS

● UNITE DE RACCORDEMENT ET SYSTEME POUR POUTRES

(71) **FLOWSTORE SYSTEMS PLC** [GB/GB]; Frogmore Industrial Estate, Clayton Road, Hayes, Middlesex UB3 1AU (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DENNIS, Simon** [GB/GB]; 22 Court Road, Ickenham, Middlesex UB10 8TE (GB).

(74) **SAUNDERS & DOLLEYMORE**; 9 Rickmansworth Road, Watford, Hertfordshire WD1 7HE (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18830** (13) A1

(21) PCT/US98/21187

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/062,020 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/168,647 (32) **8 Oct/oct 1998 (08.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47F 5/00**

(54) ● SHELF ASSEMBLY

● ENSEMBLE ETAGERE

(71) **L & P PROPERTY MANAGEMENT COMPANY** [US/US]; 4095 Firestone Boulevard, South Gate, CA 90280 (US).

(72) **BATTAGLIA, Joseph, M.**; 3640 Phyllis Court, Douglasville, GA 30135 (US). **BUSTOS, Rafael, T.**; 1014 Potomac Road, Atlanta, GA 30302 (US).

(74) **POFFENBERGER, J., Dwight, Jr.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18831** (13) A1

(21) PCT/US98/18632

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) en (26) en

(31) 08/950,381 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47G 21/10, A47J 43/28**

(54) ● TRAINING DEVICE FOR USING CHOPSTICKS

● DISPOSITIF D'ENTRAINEMENT A L'UTILISATION DE BAGUETTES

(71, 72) **MAJOR, Mark, L.** [US/US]; 500 West Middlefield Drive #97, Mountain View, CA 94043 (US).

(74) **SCHNECK, Thomas**; Law Offices of Thomas Schneck, P.O. Box 2-E, San Jose, CA 95109-0005 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18832** (13) A1

(21) PCT/CN98/00214

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) zh (26) zh

(31) 97 2 27495.2 (32) **11 Oct/oct 1997 (11.10.1997)** (33) CN

(31) 97 1 20982.0 (32) **29 Nov/nov 1997 (29.11.1997)** (33) CN

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47G 25/40**

(54) ● GARMENT HANGER AND CONNECTION STRUCTURE THEREOF

● CINTRE ET STRUCTURE D'ACCOUPLLEMENT

(71, 72) **HUANG, Jiansheng** [CN/CN]; #201 No. 23 Rongqiaoou, Fuzhou City, Fujian 350003 (CN).

(74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Street, Beijing 100037 (CN).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18833** (13) A1

(21) PCT/US98/21686

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,751 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A47G 27/00, F16B 15/00, B25C 5/02**

(54) ● APPARATUS AND METHOD FOR SEAMING CARPETS

● APPAREIL ET PROCEDE DE COUTURE DE REVETEMENTS DE SOLS(i)

(63) US 08/949,751 (CIP)
14 Oct/oct 1997 (14.10.1997)

(71) **ORCON CORPORATION** [US/US]; 1570 Atlantic Street, Union City, CA 94587-3299 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MACDONALD, Lea, Howard** [CA/CA]; 2444 Princess Street, Kingston, Ontario K7M 3G4 (CA). **STEEVES, Chris, Carl** [CA/CA]; 96 Wellington Street, Kingston, Ontario K7L 8C7 (CA).

(74) **MEDLEN, Virginia, S.** et al. / etc.; Medlen & Carroll, LLP, Suite 2200, 220 Montgomery Street, San Francisco, CA 94104 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18834** (13) A1
 (21) PCT/FR98/02053
 (22) **21 Sep/sep 1998 (21.09.1998)**
 (25) fr (26) fr
 (31) 97/12652 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47J 31/40**
 (54) ● IMPROVEMENTS TO MEANS TRANSFERRING A PACKAGE IN AN AUTOMATIC MACHINE PRODUCING HOT DRINKS
 ● PERFECTIONNEMENT AUX MOYENS DE TRANSFERT D'UN CONDITIONNEMENT DANS UNE MACHINE AUTOMATIQUE POUR REALISER DES BOISSONS CHAUDES
 (71) **CAPAGNIE MEDITERRANEENNE DES CAFES S.A.** [FR/FR]; Z.I. 9ème rue, F-06510 Carros (FR).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BLANC, Jean, Pierre** [FR/FR]; Office Méditerranéen de Brevets d'Invention et de Marques - Cabinet Hautier, 24, rue Masséna, F-06000 Nice (FR).
 (74) **HAUTIER, Jean, Louis**; Office Méditerranéen de Brevets d'Invention et de Marques - Cabinet Hautier, 24, rue Masséna, F-06000 Nice (FR).
 (81) AL AU BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18835** (13) A1
 (21) PCT/GB98/03061
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) en (26) en
 (31) 60/061,683 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 09/113,858 (32) **10 Jul/juil 1998 (10.07.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47K 10/38**
 (54) ● SHEET MATERIAL DISPENSER
 ● DISTRIBUTEUR DE MATERIAU EN FEUILLES
 (71) **KIMBERLY-CLARK LIMITED** [GB/GB]; Northop, Mold, Clwyd CH7 6WA (GB).
 (72) **KING, Timothy, James**; Rose Cottage, Off Francis Road, Moss, Nr. Wrexham, Clwyd LL11 6EM (GB). **BEECH, James, Justin**; Field House Lodge, Mannings Lane, Chester, Cheshire CH2 4EU (GB). **PRYKE, Neville, John**; 100 Mostyn Road, Merton Park, Wimbledon, London SW19 3LB (GB). **THOM, Richard, Stephen**; 47 Princess Road, Wimbledon, London SW19 8RA (GB). **BESSEY, Peter, John, Harvey**; 6 Templesheen Road, East Sheen SW14 7PX (GB). **MIDDLETON, Stephen, Patrick**; Flat 3, 291 Kingston Road, Wimbledon, London SW20 8LB (GB).
 (74) **FRANK B. DEHN & CO.**; 179 Queen Victoria Street, London EC4V 4EL (GB).
-
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18836** (13) A1
 (21) PCT/US98/21185
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 08/948,988 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 09/042,841 (32) **17 Mar/mar 1998 (17.03.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47L 13/12**
 (54) ● SELF-WRINGING MOP HAVING IMPROVED CLEANING ELEMENT
 ● BALAI-EPONGE AUTO-ESSORANT COMPORTANT UN ELEMENT DE NETTOYAGE AMELIORE
 (71) **MEDIA GROUP** [US/US]; 102-3 Hamilton Avenue, Stamford, CT 06902 (US).
 (72) **HOWARD, Herman, S.**; 102-3 Hamilton Avenue, Stamford, CT 06902 (US).
 (74) **SOMMER, Evelyn, S.**; Skadden, Arps, Slate, Meagher & Flom LLP, 919 Third Avenue, New York, NY 10022-3897 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18837** (13) A1
 (21) PCT/DE97/02329
 (22) **10 Oct/oct 1997 (10.10.1997)**
 (25) de (26) de
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47L 13/58, A47J 47/18**
 (54) ● RECEPTACLE FOR LIQUIDS, IN PARTICULAR WASHING LIQUIDS
 ● CONTENANT POUR LIQUIDES, EN PARTICULIER POUR LIQUIDES DE LAVAGE
 (71, 72) **GMEILBAUER, Engelbert** [DE/DE]; Stocketweg 1, D-82229 Seefeld (DE).
 (74) **PETRA, Elke**; Petra, Zieger & Kollegen, Herzog-Ludwig-Strasse 18, D-85570 Markt Schwaben (DE).
 (81) AL AU BA BG BR BY CA CN CU CZ EE FI HU IL IS JP KR LR LV MD MK MX NO NZ PL RO RU SI SK TR UA US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18838** (13) A1
 (21) PCT/US98/21674
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/062,136 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47L 17/08, 13/16**
 (54) ● CLEANING IMPLEMENT
 ● ACCESSOIRE DE NETTOYAGE
 (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **ZINT, David, Robert** [US/US]; 37 Linden Avenue, Ft. Thomas, KY 41075 (US). **BURNAM, Kevin, Timothy** [US/US]; 209 Hotel Street, New Richmond, OH 45157 (US).
 (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
 (81) BR CN CZ CZ (Utility model / modèle d'utilité) ID JP KR MX TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
 Published / Publiée : (c)
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- (11) **WO 99/18839** (13) A1
 (21) PCT/DE97/02308
 (22) **9 Oct/oct 1997 (09.10.1997)**
 (25) de (26) de
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A47L 23/26, 23/22, A47G 27/02**
 (54) ● DOORMAT WITH NON-CRUSH COVER
 ● NATTE DE SOL POURVUE D'UNE PROTECTION RESISTANT A L'USURE
 (71, 72) **ELSWEILER, Jörg** [DE/DE]; Zur Wöllenk 56, D-45239 Essen (DE).
 (74) **SCHULTE, Jörg**; Hauptstrasse 2, D-45219 Essen (DE).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/18840** (13) A2
 (21) PCT/US97/18299
 (22) **11 Oct/oct 1997 (11.10.1997)**
 (25) en (26) en
 (31) 2,187,675 (32) **11 Oct/oct 1997 (11.10.1997)** (33) CA
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61B**
 (54) ● MAIMANI ANEURYSM CLIP APPLIER AND REMOVER FOR USE WITH NEUROENDOSCOPES AND STEREO-TACTIC SYSTEMS

- AGRAFEUSE-DEGRAFEUSE POUR CLIPS A ANEVISMES DE MAIMANI, A UTILISER CONJOINTEMENT AVEC DES NEUROENDOSCOPIES ET DES SYSTEMES STEREOTAXIQUES

- (71, 72) **MAIMANI, Samia** [SA/US]; Suite 208, 5900 Sepulveda Boulevard, Van Nuys, CA 91411 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/18841** (13) A1

(21) PCT/EP98/06438

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) de (26) de

(31) 9721533.9 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB

(31) 9812973.7 (32) **17 Jun/juin 1998 (17.06.1998)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 1/267**

- LARYNGOSCOPE
- LARYNGOSCOPE

(71) **KARL STORZ GMBH & CO.** [DE/DE]; Mittelstrasse 8, D-78532 Tuttlingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HENDERSON, John, J.** [GB/GB]; 17 Dunelin Road, Milngavie, Glasgow G62 7RE (GB).

(74) **WITTE, Alexander** et al. / etc.; Rotebühlstrasse 121, D-70178 Stuttgart (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18842** (13) A1

(21) PCT/US98/21816

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/062,178 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 3/14**

- METHOD FOR INFERRING MENTAL STATES FROM EYE MOVEMENTS
- METHODE DE DEDUCTION D'ETATS MENTAUX A PARTIR DE MOUVEMENTS OCULAIRES

(71) **THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY** [US/US]; Suite 350, 900 Welch Road, Palo Alto, CA 94304 (US).

(72) **EDWARDS, H., Marvin;** 39953 Cedar Boulevard #121, Newark, CA 94560 (US).

(74) **MCFARLANE, Thomas, J.** et al. / etc.; 426 Lowell Avenue, Palo Alto, CA 94301 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/18843** (13) A1

(21) PCT/AU98/00850

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) PO 9801 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00, G01K 13/00, G08B 21/00**

- ALERT DEVICE

- DISPOSITIF D'ALERTE

(71) **MILLENNIUM ELECTRONICS PTY. LIMITED** [AU/AU]; 12 Webber Parade, East Keilor, VIC 3033 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AU, Eric** [AU/AU]; 12 Webber Parade, East Keilor, VIC 3033 (AU).

(74) **TATLOCK, Alfred;** A. Tatlock & Associates, 208 Elgin Street, Carlton, VIC 3053 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/18844** (13) A1

(21) PCT/US98/21100

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 60/061,690 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00**

- MINIATURE SPECTROMETER SYSTEM

- SYSTEME DE SPECTROMETRE MINIATURE

(71) **BOSTON SCIENTIFIC CORPORATION** [US/US]; One Boston Scientific Place, Natick, MA 01760 (US).

(72) **CROWLEY, Robert, J.;** 64 Puritan Lane, Sudbury, MA 01776 (US). **HAMM, Mark;** 46 Forest Hill Avenue, Lynnfield, MA 01940 (US).

(74) **SCHMELZER, Michael, J.;** Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/18845** (13) A1

(21) PCT/US98/21450

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,734 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00**

- METHOD FOR MEASURING TISSUE MORPHOLOGY

- PROCEDE POUR MESURER LA MORPHOLOGIE D'UN TISSU

(63) US 08/948,734 (CIP)
10 Oct/oct 1997 (10.10.1997)

(71) **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PERELMAN, Lev, T.** [US/US]; 94 Griggs Road #21, Brookline, MA 02146 (US). **BACKMAN, Vadim** [RU/US]; Apartment 9E1, 550 Memorial Drive, Cambridge, MA 02139 (US). **FELD, Michael, S.** [US/US]; 56 Hinckley Road, Newton, MA 02168 (US). **ZONIOS, George** [GR/US]; 305 Memorial Drive #205B, Cambridge, MA 02139 (US). **ITZKAN, Irving** [US/US]; 330 Beacon Street, Boston, MA 02116 (US). **MANOHARAN, Ramasamy** [IN/US]; 25 Homer Avenue #12, Cambridge, MA 02138 (US).

(74) **HOOVER, Thomas, O.** et al. / etc.; Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18846** (13) A1

(21) PCT/US98/21510

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,523 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00**

- TEST DEVICE AND METHOD FOR QUANTITATIVE MEASUREMENT OF AN ANALYTE IN A LIQUID

- DISPOSITIF D'ANALYSE ET PROCEDE PERMETTANT DE MESURER LA QUANTITE D'UN ANALYTE DANS UN LIQUIDE

(71) **REGENTS OF THE UNIVERSITY OF MINNESOTA** [US/US]; 100 Church Street Southeast, Minneapolis, MN 55455 (US).

(72) **WARWICK, Warren, J.;** 1952 East River Terrace, Minneapolis, MN 55414 (US). **HANSEN, Leland, G.;** 2309 Beverly Road, St. Paul, MN 55104 (US).

(74) **SANDBERG, Victoria, A.;** Mueting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415 (US).

(81) BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18847** (13) A1

(21) PCT/US98/21710

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/951,018 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00**

- (54) ● IMAGING DISEASED TISSUE USING AUTO-FLUORESCENCE
● IMAGERIE DE TISSUS MALADES PAR AUTOFLUORESCENCE

(63) US 08/951,018 (CIP)
15 Oct/oct 1997 (15.10.1997)

(71) **ACCUMED INTERNATIONAL, INC.** [US/US]; Suite 401, 900 North Franklin, Chicago, IL 60610 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOMBRICH, Peter, P.** [US/US]; 1418 N. Lake Shore Drive #17, Chicago, IL 60610 (US).
DOMANIK, Richard, A. [US/US]; 30908 Leesley Court, Libertyville, IL 60048 (US).
PRESSMAN, Norman, J. [US/US]; 390 Greenwood Avenue, Glencoe, IL 60022 (US).

(74) **AARONSON, Lawrence, H.**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18848** (13) A1

(21) PCT/US98/21868

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/950,817 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/00**

- (54) ● OPTICAL METHOD AND DEVICE FOR DETERMINING BLOOD GLUCOSE LEVELS
● PROCEDE ET DISPOSITIF OPTIQUES POUR DETERMINER LES NIVEAUX DE GLUCOSE DU SANG

(71, 72) **CASTANO, Jaime, A.** [US/US]; 1931 Ralston Avenue, Richmond, CA 94805 (US).

(74) **SIEGEL, Susan, A.**; Fish & Richardson P.C., Suite 100, 2200 Sand Hill Road, Menlo Park, CA 94025 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18849** (13) A1

(21) PCT/US98/21085

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/949,413 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/02, 8/04**

- (54) ● ULTRASONIC SENSORS FOR MONITORING THE CONDITION OF A VASCULAR GRAFT
● CAPTEURS ULTRASONORES POUR LE CONTROLE DE L'ETAT D'UNE GREFFE VASCULAIRE

(71, 72) **CIMOCHOWSKI, George, E.** [US/US]; East 42nd Street, Box 607, Dallas, PA 18612 (US).
KEILMAN, George, W. [US/US]; 20018 - 163rd Avenue N.E., Woodinville, WA 98072-7029 (US).

(74) **ANDERSON, Ronald, M.**; Law Offices of Ronald M. Anderson, Suite 507, 600-108th Avenue N.E., Bellevue, WA 98004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18850** (13) A1

(21) PCT/US98/21124

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/950,315 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/0215, 5/03**

- (54) ● CATHETER WITH PRESSURE TRANSDUCER NEXT TO THE DISTAL END
● CATHETER MUNI D'UN TRANSDUCTEUR DE PRESSION PRES DE SON EXTREMITE DISTALE

(71) **DATA SCIENCES INTERNATIONAL, INC.** [US/US]; 4211 Lexington Avenue North, St Paul, MN 55126 (US).

(72) **BROCKWAY, Brian, P.**; 4339 Nancy Place, Shoreview, MN 55126 (US).
MILLS, Perry, Alton; 1288 Wynridge Drive, Arden Hills, MN 55112 (US).
MOENCH, Mel, Murray; 7245 15th Street S.W., Howard Lake, MN 55349 (US).

(74) **VIKSINNS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/18851** (13) A1

(21) PCT/NO97/00263

(22) **26 Sep/sep 1997 (26.09.1997)**

(25) no (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/0488, 5/0492, 5/04, 5/042**

- (54) ● EMG SENSOR AND MULTICHANNEL URETHRAL EMG-SYSTEM COMPRISING SAID SENSOR

- CAPTEUR E.M.G. ET SYSTEME E.M.G. URETRAL MULTI-CANAUX DOTE DE CE CAPTEUR

(71, 72) **NILSEN, Egidija, R.** [SI/NO]; Prost Stabels vei 135, N-2020 Skedsmokorset (NO).

(81) AT AU BR CH CN DE DK FI GB IS JP MK NO NZ PL SE SG SI US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (a)

(11) **WO 99/18852** (13) A1

(21) PCT/US98/21976

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/951,620 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 5/05**

- (54) ● MAGNETICALLY DIRECTABLE REMOTE GUIDANCE SYSTEMS, AND METHODS OF USE THEREOF

- SYSTEMES DE GUIDAGE A DISTANCE DIRIGEABLES PAR VOIE MAGNETIQUE ET PROCEDES D'UTILISATION CORRESPONDANTS

(63) US 08/951,620 (CIP)
16 Oct/oct 1997 (16.10.1997)

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ARENSON, Ronald, L.** [US/US]; 12 Dipsea Trail, Mill Valley, CA 94941 (US).

(74) **FRANCIS, Carol, L.**; Bozicevic & Reed LLP, Suite 200, 285 Hamilton Avenue, Palo Alto, CA 94301 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18853** (13) A1

(21) PCT/US98/20543

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 08/949,107 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 6/00**

- (54) ● SURGICAL PROBE APPARATUS AND SYSTEM

- SONDE CHIRURGICALE ET SYSTEME

(71) **NEOPROBE CORPORATION** [US/US]; Suite 300, 425 Metro Place North, Dublin, OH 43017 (US).

(74) **SMITH, Gerald, L.** et al. / etc.; Mueller and Smith, LPA, 7700 Rivers Edge Drive, Columbus, OH 43235 (US).

(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18854** (13) A1

(21) PCT/US98/18561

(22) **4 Sep/sep 1998 (04.09.1998)**

(25) en (26) en

(31) 08/948,491 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/948,492 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/948,697 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 6/03**

(54) ● COMPUTED TOMOGRAPHY SCANNING TARGET DETECTION
● DETECTION DE CIBLE PAR TOMOGRAPHIE ASSISTEE PAR ORDINATEUR

(71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).

(72) **CRAWFORD, Carl, R.**; Apartment 207, 20 Webster Street, Brookline, MA 02146 (US). **BAILEY, Eric**; 193 Wheelwright Road, Hampstead, NH 03841 (US). **GREENBERG, Alexander, I.**; 104 Lake Shore Road #1, Brighton, MA 02135 (US). **RUTH, Christopher, C.**; 34 Locust Street, Danvers, MA 01923 (US).

(74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18855** (13) A1

(21) PCT/US98/21568

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,554 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 6/08**

(54) ● TEMPLATE FOR ENSURING ACCURATE PATIENT POSITIONING FOR UPRIGHT X-RAY EXAMINATIONS
● GABARIT PERMETTANT DE PLACER DE MANIERE PRECISE DES PATIENTS SOUMIS DEBOUT A DES EXAMENS AUX RAYONS X

(71, 72) **LEE, Aaron, T.** [US/US]; 25 Castle Drive, P.O. Box 340, Stillwater, NY 12170 (US).

(74) **COTTONE, James, F.**; Suite 403, 2001 Jefferson Davis Highway, Crystal Plaza One, Arlington, VA 22202 (US).

(81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18856** (13) A1

(21) PCT/US98/21231

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,582 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/033,661 (32) **3 Mar/mar 1998 (03.03.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 8/00, C12Q 1/00, 1/70, G01N 33/48, 33/574, C12P 17/06**

(54) ● NOVEL FLUORESCENT REPORTER MOLECULES AND THEIR APPLICATIONS INCLUDING ASSAYS FOR CASPASES

● NOUVELLES MOLECULES REPORTERS FLUORESCENTES, APPLICATIONS DE CES MOLECULES ET DOSAGES DES CASPASES

(71) **CYTOVIA, INC.** [US/US]; 6650 Nancy Ridge Drive, San Diego, CA 92121 (US).

(72) **WEBER, Eckard**; 4040 Miller Street, San Diego, CA 92103 (US). **CAL, Sui, Xiong**; 12 Salinas, Foothill Ranch, CA 92610 (US). **KEANA, John, F., W.**; 3854 Onyx Street, Eugene, OR 07405 (US). **DREWE, John, A.**; 2175 Pacific Avenue B-4, Costa Mesa, CA 92627 (US). **ZHANG, Han-Zhong**; 3800 Parkview Lane No. 336, Irvine, CA 92612 (US).

(74) **ESMOND, Robert, W.** et al. / etc.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18857** (13) A1

(21) PCT/US98/20833

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 08/948,549 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/04**

(54) ● SURGICAL CLIP APPLIER

● APPLICATEUR D'AGRAFES CHIRURGICALES

(71) **UNITED STATES SURGICAL CORPORATION** [US/US]; 150 Glover Avenue, Norwalk, CT 06856 (US).

(72) **PEYSER, Mark, S.**; 65 Todds Way, Easton, CT 06612 (US). **RETHY, Csaba, L.**; 303 Pansy Road, Fairfield, CT 06430 (US).

(74) **GERSHON, Neil, D.**; United States Surgical Corporation, 150 Glover Avenue, Norwalk, CT 06856 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18858** (13) A1

(21) PCT/US98/21127

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/949,126 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/04**

(54) ● LOW-PROFILE SURGICAL CLIP

● PINCE CHIRURGICALE A PROFIL BAS

(71) **APPLIED MEDICAL RESOURCES CORPORATION** [US/US]; Suite 103, 26051 Merit Circle, Laguna Hills, CA 92653 (US).

(72) **ASHBY, Mark, P.**; 10 Bellerest, Laguna Niguel, CA 92677 (US). **JOHNSON, Gary, M.**; 7 Cambria, Mission Viejo, CA 92692 (US). **URQUIDI, Luis**; 22146 Caminito Laureles, Laguna Hills, CA 92653 (US).

(74) **MYERS, Richard, L.**; Suite 103, 26051 Merit Circle, Laguna Hills, CA 92653 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18859** (13) A1

(21) PCT/US98/21773

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,080 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/04**

(54) ● ENDOSCOPIC SURGICAL INSTRUMENT FOR ROTATIONAL MANIPULATION

● INSTRUMENT CHIRURGICAL ENDOSCOPIQUE DE MANIPULATION ROTATIVE

(71) **ORIGIN MEDSYSTEMS, INC.** [US/US]; 135 Constitution Drive, Menlo Park, CA 94025 (US).

(74) **HANLEY, John, V.**; Fulwider Patton Lee & Utecht, LLP, 10th floor, 10877 Wilshire Boulevard, Los Angeles, CA 95054 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18860** (13) A1

(21) PCT/EP98/06289

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 60/062,365 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/06, B65D 5/72**

(54) ● UNIVERSAL STORAGE BOX FOR DISPENSING A MEDICAL DEVICE

● BOITE UNIVERSELLE DE STOCKAGE POUR DISTRIBUTION DE DISPOSITIF MEDICAL

- (71) **TYCO GROUP S.A.R.L.** [LU/LU]; 2nd floor, 6, avenue Emile Reuter, L-2420 Luxembourg (LU).
- (72) **PEARSON, Eric, William**; 64 Whisconier, Brookfield, CT 06804 (US). **MERRITT, John, P.**; 201 Tanjong Rhu Road, Parkshore 10-08, Singapore 436898 (SG). **PLEAU, Scott, E.**; Apartment 16, 220 Park Street, North Attleboro, MA 02760 (US).
- (74) **BLUM, Rudolf, E.**; E. Blum & Co., Vorderberg 11, CH-8044 Zürich (CH).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18861** (13) A1
(21) PCT/US98/21571
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/950,002 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/12**

- (54) ● DELIVERY CATHETER FOR OCCLUSIVE DEVICE
● CATHETER DE MISE EN PLACE D'UN DISPOSITIF OCCLUSIF

(63) US 08/950,002 (CIP)
14 Oct/oct 1997 (14.10.1997)

- (71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311-1566 (US).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **LEVINE, Marc-Alan** [US/US]; 1392 28th Avenue, San Francisco, CA 94122 (US). **WALLACE, Michael, P.** [US/US]; 3515 D. Bernal Avenue, Pleasanton, CA 94566 (US).

- (74) **KUO, Jung-Hua** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18862** (13) A1
(21) PCT/US98/21437
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,726 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/22**

- (54) ● A CATHETER DEVICE FOR ABRADING A PATENT FORAMEN OVALE AND METHOD OF USING THE DEVICE
● DISPOSITIF CATHETER POUR ABRASER UN FORAMEN OVALE PERMEABLE ET PROCEDE D'UTILISATION DUDIT DISPOSITIF

(63) US 60/061,726 (CON)
10 Oct/oct 1997 (10.10.1997)

- (71) **HEARTEN MEDICAL, INC.** [US/US]; Suite A, 15042 Parkway Loop, Tustin, CA 92780-6528 (US).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **STAMBAUGH, Bruce, D.** [US/US]; 118 South Trevor, Anaheim, CA 92806 (US). **NGUYEN, Hien, V.** [US/US]; 3106 West Borchard Avenue, Santa Ana, CA 92704 (US).

- (74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18863** (13) A1

(21) PCT/DE98/03017

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) de (26) de

(31) 197 45 157.8 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/28, 17/00**

- (54) ● INSTRUMENT OR FORCEPS FOR MEDICAL, IN PARTICULAR ENDOSCOPIC, USE
● INSTRUMENT OU PINCE A USAGE MEDICAL ET NOTAMMENT ENDOSCOPIQUE

- (71) **KARL STORZ GMBH & CO.** [DE/DE]; Mittelstrasse 8, D-78532 Tuttlingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **CUSCHIERI, Alfred** [GB/GB]; Ninewells Hospital and Medical School, Dundee DD1 9SY (GB). **FRANK, Tim** [GB/GB]; Ninewells Hospital and Medical School, Dundee DD1 9SY (GB).

- (74) **MÜNICH, Wilhelm**; Dr. Münich & Kollegen, Wilhelm-Mayr-Strasse 11, D-80689 München (DE).

- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/18864** (13) A1

(21) PCT/US98/21439

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,586 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/32**

- (54) ● A BALLOON CATHETER FOR ABRADING A PATENT FORAMEN OVALE AND METHOD OF USING THE BALLOON CATHETER
● CATHETER A BALLONNET D'ABRASION D'UN FORAMEN OVALE PERMEABLE ET PROCEDE D'UTILISATION DUDIT CATHETER

(63) US 60/061,586 (CON)
10 Oct/oct 1997 (10.10.1997)

- (71) **HEARTEN MEDICAL, INC.** [US/US]; Suite A, 15042 Parkway Loop, Tustin, CA 92780-6528 (US).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **STAMBAUGH, Bruce, D.** [US/US]; 118 South Trevor, Anaheim, CA 92806 (US). **NGUYEN, Hien, V.** [US/US]; 3106 West Borchard Avenue, Santa Ana, CA 92704 (US).

- (74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, Virginia 22313-1404 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18865** (13) A1

(21) PCT/US98/21572

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,382 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 17/34**

- (54) ● PRECISION DEPTH GUIDED INSTRUMENTS FOR USE IN VERTEBROPLASTY
● INSTRUMENTS DE PRECISION GUIDES EN PROFONDEUR, UTILES DANS UNE VERTEBROPLASTIE

(63) US 08/950,382 (CIP)
14 Oct/oct 1997 (14.10.1997)

- (71) **PARALLAX MEDICAL, INC.** [US/US]; Suite B, 453 Ravendale Drive, Mountain View, CA 94043 (US).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **PREISSMAN, Howard** [US/US]; 2140 Jonathon Avenue, San Jose, CA 95125 (US). **JENSEN, Mary, E.** [US/US]; 6819 Jarmans Road, Crozet, VA 22932 (US). **DION, Jacques, E.** [US/US]; 794 Springdale Road, Atlanta, GE 30306 (US).

- (74) **CANNON, Alan, W.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18866** (13) A1
(21) PCT/US98/21662
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/949,839 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/34**
(54) ● PRECISION INSTRUMENTS FOR USE IN VERTEBROPLASTY
● INSTRUMENTS DE PRECISION UTILISES EN CHIRURGIE VERTEBRALE
(63) US 08/949,839 (CIP)
14 Oct/oct 1997 (14.10.1997)
(71) **PARALLAX MEDICAL, INC.** [US/US]; Suite B, 453 Ravendale Drive, Mountain View, CA 94043 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **PREISSMAN, Howard** [US/US]; 2140 Jonathan Avenue, San Jose, CA 95125 (US).
(74) **CANNON, Alan, W.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
Published / Publiée : (c)
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- (11) **WO 99/18867** (13) A1
(21) PCT/US98/20808
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) en (26) en
(31) 08/951,982 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/36**
(54) ● ELECTROSURGICAL SYSTEM FOR REDUCING/REMOVING ESCHAR ACCUMULATIONS ON ELECTROSURGICAL INSTRUMENTS
● SYSTEME ELECTROCHIRURGICAL PERMETTANT DE REDUIRE ET/OU D'ELIMINER LES ACCUMULATIONS DE MATIERE CORPORELLE SUR DES INSTRUMENTS D'ELECTROCHIRURGIE
(71) **TEAM MEDICAL, LLC** [US/US]; 4725 Walnut Street, Boulder, CO 80301 (US).
(72) **HEIM, Warren, Paul**; 300 Fifteenth Avenue, Boulder, CO 80302 (US). **MILLER, Scott, Allan, III**; 1341 Tipperary Street, Boulder, CO 80303 (US). **BRASSELL, James, L.**; 2927 Eleventh Street, Boulder, CO 80304 (US).
(74) **MARSH, Thomas, R.** et al. / etc.; Holme Roberts & Owen, LLP, Suite 4100, 1700 Lincoln Street, Denver, CO 80203-4541 (US).
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- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
(71, 72) **NEZHAT, Camran** [US/US]; 240 Mountain Wood Lane, Woodside, CA 94062 (US).
(74) **HESLIN, James, M.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
(11) **WO 99/18870** (13) A1
(21) PCT/US98/21440
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/062,954 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/39**
(54) ● A BALLOON CATHETER FOR CAUSING THERMAL TRAUMA TO A PATENT FORAMEN OVALE AND METHOD OF USING THE BALLOON CATHETER
● CATHETER A BALLONNET DESTINE A PROVOQUER UN TRAUMA THERMIQUE DANS UN FORAMEN OVALE PERMEABLE ET PROCEDE D'UTILISATION DUDIT CATHETER
(63) US 60/062,954 (CON)
10 Oct/oct 1997 (10.10.1997)
(71) **HEARTEN MEDICAL, INC.** [US/US]; Suite A, 15042 Parkway Loop, Tustin, CA 92780-6528 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **STAMBAUGH, Bruce, D.** [US/US]; 118 South Trevor, Anaheim, CA 92806 (US). **NGUYEN, Hien, V.** [US/US]; 3106 West Borchard Avenue, Santa Ana, CA 92704 (US). **BROWN, Tony, R.** [US/US]; 6605 East Canyon Hills Road, Anaheim Hills, CA 92807 (US).
(74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18869** (13) A1
(21) PCT/US98/21600
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 08/948,282 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/38**
(54) ● METHODS AND SYSTEMS FOR ORGAN RESECTION
● PROCEDES ET SYSTEMES DE RESECTION D'ORGANES
(11) **WO 99/18871** (13) A1
(21) PCT/US98/21459
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,585 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/39**

- (54) ● A CATHETER FOR CAUSING THERMAL TRAUMA TO A PATENT FORAMEN OVALE AND METHOD OF USING THE CATHETER
● CATHETER PERMETTANT DE PROVOQUER UN TRAUMATISME THERMIQUE DANS UN FORAMEN OVALE PERMEABLE ET PROCEDE D'UTILISATION DE CE CATHETER
- (63) US 60/061,585 (CON)
10 Oct/oct 1997 (10.10.1997)
- (71) **HEARTEN MEDICAL, INC.** [US/US]; Suite A, 15042 Parkway Loop, Tustin, CA 92780-6528 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **STAMBAUGH, Bruce, D.** [US/US]; 118 South Trevor, Anaheim, CA 92806 (US). **NGUYEN, Hien, V.** [US/US]; 3106 West Borchard Avenue, Santa Ana, CA 92704 (US). **BROWN, Tony, R.** [US/US]; 6605 East Canyon Hills Road, Anaheim Hills, CA 92807 (US).
- (74) **KREBS, Robert, E.**; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18872** (13) A1
(21) PCT/IL98/00498
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 121968 (32) **14 Oct/oct 1997 (14.10.1997)** (33) IL
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/435, A61D 19/02**
(54) ● METHOD FOR DEPOSITING A FLATTENED DROPLET ON A SURFACE AND APPARATUS THEREFOR, AND A PUMP THEREFOR
● PROCEDE, APPAREIL ET POMPE PERMETTANT DE DEPOSER UNE GOUTTELETTE APLATIE SUR UNE SURFACE
- (71) **A.R.T. MEDICAL INSTRUMENTS LTD.** [IL/IL]; Hashahar Street 33, 45325 Hod Hasharon (IL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BERGER, Abraham** [IL/IL]; Arnon Street 9, 53529 Givataim (IL). **HAIM, Ben, Zion** [IL/IL]; Hana Senesh Street 3, 58276 Holon (IL). **MEIROVICH, Baruch** [IL/IL]; Hashahar Street 33, 45325 Hod Hasharon (IL). **HAZAN, Avri** [IL/IL]; Menora Street 7, 53490 Givataim (IL).
- (74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18873** (13) A1
(21) PCT/HR98/00004
- (22) **6 Oct/oct 1998 (06.10.1998)**
(25) hr (26) en
(31) P970539A (32) **9 Oct/oct 1997 (09.10.1997)** (33) HR
(31) P980332A (32) **17 Jun/juin 1998 (17.06.1998)** (33) HR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/56**
(54) ● STRAIN-INDUCING CONICAL SCREW FOR STIMULATING BONE TRANSPLANT GROWTH
● VIS CONIQUE APPLIQUANT UNE FORCE PERMETTANT DE STIMULER LA CROISSANCE DE TRANSPLANTATION OSSEUSE
- (71, 72) **ŠEŠIĆ, Nenard** [HR/HR]; Prilaz V. Brajkovica 10, 10020 Zagreb (HR).
- (81) AT AU BA BG BR CA CH CN CU CZ DE DK EE ES FI GB GH HR HU ID IL JP KE KP KR LK LV MK MX NO NZ PL PT RO RU SD SE SG SI SK TR UA US VN YU ZW.
- Published / Publiée : (c)
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- (11) **WO 99/18874** (13) A1
(21) PCT/US97/18470
(22) **9 Oct/oct 1997 (09.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/56**
(54) ● SPINAL FIXATION APPARATUS AND METHOD
● APPAREIL ET PROCEDE DE CONTENTION DE LA COLONNE VERTEBRALE
- (71, 72) **BRYAN, Donald, W.** [US/US]; 6151 South Woodland Drive, Ogden, UT 84403 (US).
- (74) **YOUNG, J., Winslow**; P.O. Box 1088, Centerville, UT 84014-5088 (US).
- (81) AU BR CA CN JP KR MX NO NZ RU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18875** (13) A1
(21) PCT/US98/14748
(22) **15 Jul/juil 1998 (15.07.1998)**
(25) en (26) en
(31) 08/948,362 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/56**
(54) ● DEVICES FOR PASSIVE MOTION OF JOINTS UNDER TRACTION
● DISPOSITIF PERMETTANT UN MOUVEMENT PASSIF D'ARTICULATIONS SOUS TRACTION
- (71) **RIMLON LTD.** [IL/IL]; P.O. Box 732, 17106 Nazareth Elite (IL).
(for all designated States except / pour tous les États désignés sauf US)
- (71) **FRIEDMAN, Mark, M.** [US/IL]; Alharizi Street 1, 43406 Raanana (IL).
(only for / seulement pour TJ)
- (72, 75) **LUBOSHITZ, Shmuel** [IL/IL]; Halimon Street 17, 43584 Raanana (IL). **SHEKALIM, Avraham** [IL/IL]; Hashoshanim 24, Ramot Yitzhak, 36842 Neshar (IL). **SELA, Itay** [IL/IL]; Yezriel Street 49, 36000 Kiryat Tivon (IL).
- (74) **FRIEDMAN, Mark, M.**; c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18876** (13) A1
(21) PCT/US98/21341
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/062,414 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/56**
(54) ● METHOD AND APPARATUS FOR ULTRASONIC TREATMENT OF CARPAL TUNNEL SYNDROME
● PROCEDE ET APPAREIL POUR LE TRAITEMENT ULTRASONIQUE DU SYNDROME DU CANAL CARPIEN
- (71) **EXOGEN, INC.** [US/US]; 10 Constitution Avenue, P.O. Box 6860, Piscataway, NJ 08855 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (71, 72) **TALISH, Roger, J.** [US/US]; 5 Harman Court, Hillsborough, NJ 08876 (US). **RYABY, Jack, P.** [US/US]; 25 Stewart Road, Essex Falls, NJ 07021 (US).
- (72, 75) **McLEOD, Kenneth, J.** [US/US]; 38 Cedar Street, Stony Brook, NJ 11790 (US). **RUBIN, Clinton, T.** [US/US]; 108 Bleeker Street, Port Jefferson, NY 11777 (US).
- (74) **BARRESE, Rocco, S.** et al. / etc.; Dilworth & Barrese, 333 Earle Ovington Boulevard, Uniondale, NY 11553 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18877** (13) A1
(21) PCT/FR98/02178
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) fr (26) fr
(31) 97/12776 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61B 17/70**
(54) ● DEVICE FOR FIXING A ROD IN A THIN BONE WALL
● DISPOSITIF DE FIXATION D'UNE TIGE DANS UNE PAROI OSSEUSE MINCE
- (71) **DIMSO (DISTRIBUTION MEDICALE DU SUD-OUEST)** [FR/FR]; Z.I. de Marticot, F-33610 Cestas (FR).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **FAURE, Alexis** [FR/FR]; 12, rue du Maréchal Joffre, F-44000 Nantes (FR).
- (74) **MARTIN, Jean-Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).
- (81) AU CA JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18878** (13) A2

(21) PCT/US98/21357

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,117 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/949,083 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/948,729 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/949,084 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/072,872 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(31) 09/072,941 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(31) 09/072,835 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(31) 09/072,834 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(31) 09/073,050 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(31) 09/072,650 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 18/14**

- (54) ● **SOFT TISSUE COAGULATION PROBE**
● **SONDE DE COAGULATION POUR TISSUS MOUS**

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311 (US).

(72) **SWANSON, David, K.**; Apartment 705, 877 Heatherstone Way, Mountain View, CA 94040 (US). **FLEISCHMAN, Sidney, D.**; 855 Woodland Avenue, Menlo Park, CA 94025 (US). **KOBLISH, Josef, V.**; 1055 Manet Drive, Sunnyvale, CA 94087 (US). **THOMPSON, Russell, B.**; 123 West Portola Avenue, Los Altos, CA 94022 (US). **WHAYNE, James, G.**; 17930 Los Felice Road, Saratoga, CA 95070 (US). **JENKINS, Thomas, R.**; Apartment 302, 322 Hanover Avenue, Oakland, CA 94606 (US). **SNYDER, Edward, J.**; 1545 Edgewood Way, San Jose, CA 95125 (US). **BURNSIDE, Robert.**; 1226 Nilda Avenue, Mountain View, CA 94040 (US). **YANG, Yi.**; 2394 45th Avenue, San Francisco, CA 94116 (US).

(74) **SLAVIN, Craig, A.**; Henricks, Slavin & Holmes LLP, Suite 200, 840 Apollo Street, El Segundo, CA 90245 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18879** (13) A1

(21) PCT/US98/17736

(22) **26 Aug/août 1998 (26.08.1998)**

(25) en (26) en

(31) 08/949,308 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61B 19/00**

- (54) ● **ALIGNMENT OF EXTERNAL DEVICE RELATIVE TO IMPLANTED DEVICE**
● **ALIGNEMENT D'UN DISPOSITIF EXTERNE PAR RAPPORT A UN DISPOSITIF IMPLANTE**

(71) **LIGHT SCIENCES LIMITED PARTNERSHIP** [US/US]; 1065 - 12th Avenue, N.W. #E5, Issaquah, WA 98027 (US).

(72) **CHEN, James, C.**; 2011 - 87th Place N.E., Bellevue, WA 98004 (US). **WILKERSON, Brian, D.**; 18223 S.E. 42nd Place, Issaquah, WA 98027 (US). **HUSTON, Darrin.**; 37330 - 246th Avenue S.E., Enumclaw, WA 98022 (US).

(74) **ANDERSON, Ronald, M.**; Law Offices of Ronald M. Anderson, Suite 507, 600 - 108th Avenue, N.E., Bellevue, WA 98004 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18880** (13) A1

(21) PCT/US98/20843

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/949,342 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61C 5/04, A61M 5/315**

- (54) ● **ADJUSTABLE FLOW SYRINGE**
● **SERINGUE A DEBIT REGLABLE**

(71) **ULTRADENT PRODUCTS, INC.** [US/US]; 505 West 10200 South, South Jordan, UT 84095 (US).

(72) **FISCHER, Dan, E.**; 10444 Dimple Dell Road, Sandy, UT 84093 (US). **RACHAL, Richard, N.**; 10634 South 390 East, Sandy, UT 84070 (US). **MCLEAN, Bruce, S.**; 8655 South 3825 West, West Jordan, UT 84088 (US). **BILLS, Dan, J.**; 615 West Jefferson Place, Sandy, UT 84070 (US). **HYINK, Doug.**; 9250 South 3825 West, West Jordan, UT 84088 (US).

(74) **NYDEGGER, Rick, D.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18881** (13) A1

(21) PCT/ES98/00277

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) es (26) es

(31) P 9702104 (32) **10 Oct/oct 1997 (10.10.1997)** (33) ES

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61C 8/00**

- (54) ● **DENTAL IMPLANT**

● **IMPLANT DENTAIRE**

(71, 72) **ALDAMA BOLUNBURU, Beatriz** [ES/ES]; San Prudencio, 8, E-01005 Vitoria (ES).

(72, 75) **ALDAMA ASPICHUETA, Santiago** [ES/ES]; San Prudencio, 8, E-01005 Vitoria (ES).

(74) **TRIGO PECES, José Ramón.** Gran Via, 40, E-28013 Madrid (ES).

(81) AU BR CA CZ IL JP MX NO RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18882** (13) A1

(21) PCT/EP98/01844

(22) **28 Mar/mar 1998 (28.03.1998)**

(25) en (26) en

(31) CO97A000015 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61C 13/00**

- (54) ● **PROCEDURE FOR THE PREPARATION OF FIXED DENTAL PROSTHESES MADE OF RESIN**
● **PROCEDE DE PREPARATION DE PROTHESES DENTAIRES FIXES EN RESINE**

(71, 72) **ARDIZIO, Luigi** [IT/IT]; Corso Risorgimento, 121, I-28100 Novara (IT). **ARDIZIO, Franco** [IT/IT]; Via Cesare Pavesi, 8B, I-28062 Cameri (IT).

(74) **ZANELLA, Ireneo.** Zanella & Associati S.r.l., Via Leonardo da Vinci, 12, I-22074 Lomazzo (IT).

(81) AU BG BR BY CA CN CZ EE GE HU ID IL JP KR LT LV MX NO NZ PL RO RU SG SI SK TR UA YU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18883** (13) A1

(21) PCT/US98/21336

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,405 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61C 15/00**

- (54) ● **DENTAL FLOSSING DEVICE**
● **DISPOSITIF DE NETTOYAGE PAR FIL DENTAIRE**

(71, 72) **ROBINSON, Dane, Q.** [US/US]; 8330 E. Captain Dreyfus Avenue, Scottsdale, AZ 85260 (US).

(74) **RONDEAU, George, C., Jr.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18884** (13) A1

(21) PCT/NZ98/00147

- (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 328967 (32) **10 Oct/oct 1997 (10.10.1997)** (33) NZ
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61D 7/00, A61F 6/14**
 (54) ● DRUG DELIVERY SYSTEM
 ● SYSTEME D'ADMINISTRATION DE MEDICAMENTS
 (71) **DUIRS NZ LIMITED** [NZ/NZ]; BDO House, Cnr Anglesea & Rostrevor Streets, Hamilton 2001 (NZ).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **DUIRS, Graham, Francois** [NZ/NZ]; 17 MacFarlane Street, Hamilton 2001 (NZ).
 (74) **SIMS, Anthony, W.** et al. / etc.; 29 Clarence Street, P.O. Box 759, Hamilton 2001 (NZ).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
-
- (11) **WO 99/18885** (13) A1
 (21) PCT/FR98/02184
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) fr (26) fr
 (31) 97/12918 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/00**
 (54) ● ARTIFICIAL SPHINCTER WITH MAGNETIC CONTROL
 ● SPHINCTER ARTIFICIEL A COMMANDE MAGNETIQUE
 (71, 72) **SANGOUARD, Patrick** [FR/FR]; 20, chemin des Boutaraines, F-94350 Villiers sur Marne (FR).
GREILLIER, Bernard [FR/FR]; 38, avenue des Frères Lumière, F-69008 Lyon (FR).
 (74) **NITHARDT, Roland**; Cabinet Nithardt et Associés S.A., Boîte postale 1445, F-68071 Mulhouse Cedex (FR).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18886** (13) A1
 (21) PCT/US98/21173
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 60/061,588 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (31) 60/077,639 (32) **11 Mar/mar 1998 (11.03.1998)** (33) US
 (31) 60/091,306 (32) **30 Jun/juin 1998 (30.06.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/02, 2/12**
 (54) ● BREAST IMPLANT
 ● IMPLANT MAMMAIRE
 (63) US 60/061,588 (CIP)
 10 Oct/oct 1997 (10.10.1997)
 US 60/077,639 (CIP)
 11 Mar/mar 1998 (11.03.1998)
 US 60/091,306 (CIP)
 30 Jun/juin 1998 (30.06.1998)
 (71, 72) **CORBITT, John, D., Jr.** [US/US]; 2868 Kirkwood Village, Palm Springs, FL 33461 (US).
LEONETTI, Lori, A. [US/US]; 540 Jefferson Drive #110, Deerfield Beach, FL 33446 (US).
 (74) **McGEE, Peter, F.** et al. / etc.; Ostrolenk, Faber, Gerb & Soffen, LLP, 1180 Avenue of the Americas, New York, NY 10036 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18887** (13) A1
 (21) PCT/US98/17463
 (22) **21 Aug/août 1998 (21.08.1998)**
 (25) en (26) en
 (31) 08/946,742 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/06**
 (54) ● WIRE CONNECTOR STRUCTURES FOR TUBULAR GRAFTS
 ● STRUCTURES DE CONNEXION EN FIL METALLIQUE POUR GREFFES TUBULAIRES
 (71) **VASCULAR SCIENCE INC.** [US/US]; Suite 202, 701 Decatur Avenue North, Minneapolis, MN 55427 (US).
 (72) **BERG, Todd, A.**; 1517 Broken Oak Court, Lino Lakes, MN 55038 (US).
HINDRICH, Paul, J.; 12820 34th Avenue N., Plymouth, MN 55441 (US).
 (74) **JACKSON, Robert, R.** et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18888** (13) A1
 (21) PCT/US98/21106
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 08/947,620 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/06**
 (54) ● IMPROVED STENT CONFIGURATIONS
 ● CONFIGURATIONS DE STENT
 (71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One Scimed Place, Maple Grove, MN 55311 (US).
 (72) **LEY, Timothy, J.**; 668 Highway 96 West, Shoreview, MN 55126 (US).
KVEEN, Graig, L.; 14125 74th Place North, Maple Grove, MN 55311 (US).
EHR, Timothy, G., J.; 19017 Zane Street N.W., Elk River, MN 55330 (US).
BROWN, Brian, J.; 178 Jandel Avenue N.E., Hanover, MN 55341 (US).
FRIESEN, David, L.; 8149 Sierra Parkway, Brooklyn Park, MN 55444 (US).
 (74) **ARRETT, Oliver, F.** et al. / etc.; 6109 Blue Circle Drive, Minnetonka, MN 55343 (US).
 (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (a)
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- (11) **WO 99/18889** (13) A1
 (21) PCT/US98/21373
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/946,748 (32) **12 Oct/oct 1997 (12.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/06**
 (54) ● MODULAR GRAFT ASSEMBLY
 ● ENSEMBLE DE GREFFE MODULAIRE
 (71, 72) **TAHERI, Syde, A.** [US/US]; 268 Dan Troy, Williamsville, NY 14221 (US).
 (74) **SCALISE, Michael, F.** et al. / etc.; Hodgson, Russ, Andrews, Woods & Goodyear, 1800 One M & T Plaza, Buffalo, NY 14203-2391 (US).
 (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/18890** (13) A1
 (21) PCT/US98/21483
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/950,969 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 2/06**
 (54) ● STENT AND METHOD FOR MAKING A STENT
 ● STENT ET SON PROCEDE DE FABRICATION
 (71) **NAVIUS CORPORATION** [US/US]; Suite 101, 11305 Rancho Bernardo Road, San Diego, CA 92127 (US).

- (72) **CARPENTER, Kenneth, W.**; 2144 DeMayo Road, Del Mar, CA 92014 (US). **ROUCHER, Leo, R., Jr.**; 1272 Simeon Place, Escondido, CA 92029 (US). **JUNG, Eugene, J., Jr.**; 10902 Avenida Playa Veracruz, San Diego, CA 92124 (US). **WOLF, Erich, H.**; 1250 Phillips Street, Vista, CA 92083 (US). **STEINKE, Thomas, A.**; 7386 Canyon Breeze Road, San Diego, CA 92126 (US). **DUFFY, Robert, J.**; 2938 Governor Drive, San Diego, CA 92122 (US). **BADDOUR, Philip, L.**; 2938 Governor Drive, San Diego, CA 92122 (US).
- (74) **NYDEGGER, Neil, K.** et al. / etc.; Nydegger & Associates, Suite 950, 4350 La Jolla Village Drive, San Diego, CA 92122 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/18891** (13) A1
- (21) PCT/US98/20927
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,836 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61F 2/28**

- (54) ● PERCUTANEOUS BIOFIXED MEDICAL IMPLANTS
● IMPLANTS MEDICAUX BIOFIXES PERCUTANES

(71) **USBIOMATERIALS CORPORATION** [US/US]; One Progress Boulevard #23, Alachua, FL 32615 (US). **UNIVERSITY OF FLORIDA** [US/US]; 186 Grinter Hall, P.O. Box 115500, Gainesville, FL 32611-5500 (US).

(72) **MAROTTA, James, S.**; Apartment 508, 2337 S.W. Archer Road, Gainesville, FL 32608 (US). **LATORRE, Guy**; 4416 N.W. 60th Terrace, Gainesville, FL 32606 (US). **BATICH, Christopher**; 3733 N.W. 40th Street, Gainesville, FL 32606 (US). **HENCH, Larry, L.**; 38 Clarence Gate Gardens, Glentworth Street, London NW1 6BA (GB).

(74) **GRUDZIECKI, Ronald, L.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18892** (13) A1
- (21) PCT/US98/21242
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 60/061,526 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61F 2/28, A61K 47/30**

- (54) ● BIODEGRADABLE, BIOPOLYMERIC BIOELECTRET IMPLANT FOR TISSUE REGENERATION

● IMPLANT BIODEGRADABLE, BIOPOLYMERE ET BIOELECTRET POUR LA REGENERATION TISSULAIRE

(71) **CAMBRIDGE SCIENTIFIC, INC.** [US/US]; 195 Common Street, Belmont, MA 02178 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CATTANEO, Maurice, V.** [CA/US]; 195 Samoset Avenue, Quincy, MA 02169 (US). **GRESSER, Joseph, D.** [US/US]; 40 Salisbury Road, Brookline, MA 02146 (US). **TRANTOLO, Debra, J.** [US/US]; 28 Radford Road, Princeton, MA 01541 (US). **WISE, Donald, L.** [US/US]; 195 Common Street, Belmont, MA 02178 (US). **WNEK, Gary, E.** [US/US]; 1103 Buckingham Station Drive, Midlothian, VA 23113 (US). **LEWANDROWSKI, Kai-Uwe** [DE/US]; 423 Washington Street #6, Brookline, MA 02146 (US).

(74) **HEINE, Holliday, C.** et al. / etc.; Weingarten, Schurgin, Gagnebin & Hayes LLP, Ten Post Office Square, Boston, MA 02109 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18893** (13) A1

(21) PCT/US98/21369

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,611 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US(31) 60/080,445 (32) **2 Apr/avr 1998 (02.04.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61F 2/28**

- (54) ● HYBRID NANOFIBRIL MATRICES FOR USE AS TISSUE ENGINEERING DEVICES
● MATRICES A NANOFIBRES HYBRIDES S'UTILISANT COMME DISPOSITIFS DE GENIE TISSULAIRE

(71) **DREXEL UNIVERSITY** [US/US]; 3141 Chestnut Street, Philadelphia, PA 19104 (US). **ALLEGHENY HEALTH, EDUCATION AND RESEARCH FOUNDATION** [US/US]; Broad and Vine Streets, Mail Stop 485, Philadelphia, PA (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LAURENCIN, Cato** [US/US]; 1001 Valley Road, Elkins Park, PA (US). **KO, Frank, K.** [US/US]; 5144 Castor Avenue, Philadelphia, PA 19124 (US).

(74) **LICATA, Jane, Massey** et al. / etc.; Law Offices of Jane Massey Licata, 66 E. Main Street, Marlton, NJ 08053 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18894** (13) A1

(21) PCT/US98/21576

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,256 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61F 2/28, A61L 25/00, 27/00**

- (54) ● ENHANCED VISIBILITY MATERIALS FOR IMPLANTATION IN HARD TISSUE
● MATERIAUX A VISIBILITE ACCRUE, DESTINES A ETRE IMPLANTES DANS UN TISSU DUR

(63) US 08/950,256 (CIP)
14 Oct/oct 1997 (14.10.1997)

(71) **PARALLAX MEDICAL, INC.** [US/US]; Suite B, 453 Ravendale Drive, Mountain View, CA 94043 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PREISSMAN, Howard** [US/US]; 2140 Jonathan Avenue, San Jose, CA 95125 (US).

(74) **CANNON, Alan, W.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18895** (13) A1

(21) PCT/US98/18607

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) en (26) en

(31) 60/058,214 (32) **8 Sep/sep 1997 (08.09.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61F 2/60, 2/64, 2/66**

- (54) ● PROSTHETIC FOOT WITH LATERAL AND ANGULAR ADJUSTABILITY
● PIED ARTIFICIEL A ADAPTABILITE LATERALE ET ANGULAIRE

(71) **PROSTHETIC DESIGN, INC.** [US/US]; 305 Smith Drive, Clayton, OH 45315 (US).

(72) **SLEMKER, Tracy, C.**; 6467 Burkwood Drive, Clayton, OH 45315 (US). **SCHALL, Scott, R.**; 305 Bearcreek Court, Englewood, OH 45322 (US).

(74) **LEVY, Mark, P.** et al. / etc.; Thompson Hine & Flory LLP, 2000 Courthouse Plaza N.E., P.O. Box 8801, Dayton, OH 45401-8801 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18896** (13) A1

(21) PCT/GB98/03068

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9721863.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

- (31) 9814726.7 (32) **7 Jul/juillet 1998 (07.07.1998)** (33) GB
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 5/01**
- (54) ● ANKLE-FOOT ORTHOSIS
● ORTHESE PEDI-JAMBIERE
- (71, 72) **WATTS, Robert, John** [GB/GB]; Venards Cottage, North Gorley, Fordingbridge, Hampshire SP6 2PJ (GB).
- (74) **PURVIS, William, Michael, Cameron** et al. / etc.; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18897** (13) A1
- (21) PCT/EP98/06164
- (22) **29 Sep/sep 1998 (29.09.1998)**
- (25) de (26) de
- (31) 197 45 611.1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 5/41**
- (54) ● PENIS EXTENDER
● DISPOSITIF D'ALLONGEMENT DU PENIS
- (71, 72) **JOCHUM, Herbert** [DE/DE]; Am Wallgraben 18, D-82541 Ammerland (DE).
- (74) **GRÄTTINGER, Günter** et al. / etc.; Grättinger & Partner (GbR), Wittelsbacherstrasse 5, Postfach 16 55, D-82306 Starnberg 1 (DE).
- (81) AL AU BA BB BG BR CA CN CU CZ EE GD GE GH HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18898** (13) A1
- (21) PCT/DK98/00381
- (22) **8 Sep/sep 1998 (08.09.1998)**
- (25) en (26) en
- (31) 1154/97 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DK
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 5/455**
- (54) ● AN EXTERNAL FEMALE URINE COLLECTION DEVICE AND A METHOD FOR MANUFACTURING SUCH A DEVICE
● DISPOSITIF EXTERNE DE PRELEVEMENT D'URINE POUR LES FEMMES ET PROCEDE DE FABRICATION DE CE DISPOSITIF
- (71) **COLOPLAST A/S** [DK/DK]; Holtedam 1, DK-3050 Humlebaek (DK).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ALEXANDERSEN, Morten, Bay** [DK/DK]; Hathjulet 37, DK-3140 Aalsgaarde (DK). **SLOTH, Kristian** [DK/DK]; Schleppegrellsgade 3, 3.th., DK-2200 Koebenhavn N (DK).
- (74) **COLOPLAST A/S**; Nilansen, Kim, Patent Dept., Holtedam 1, DK-3050 Humlebaek (DK).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18899** (13) A1
- (21) PCT/GB98/03031
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 9721597.4 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 5/56, A61M 29/00**
- (54) ● (NASAL) BREATHING AID
● ACCESSOIRE FACILITANT LA RESPIRATION PAR LE NEZ
- (71, 72) **CADMAN, Bernard** [GB/GB]; B Cadman Limited, The Twitchell, Sutton-in-Ashfield, Nottinghamshire NG17 5BT (GB).
- (74) **TILLBROOK, Christopher, John**; 1 Mill Street, Warwick CV34 4HB (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/18900** (13) A1
- (21) PCT/US98/21657
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 08/949,445 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 9/00**
- (54) ● CORNEAL ENDOTHELIUM PROTECTIVE DEVICE
● DISPOSITIF DE PROTECTION DE L'ENDOTHELIUM CORNEEN
- (63) US 08/949,445 (CIP)
14 Oct/oct 1997 (14.10.1997)
- (71) **EAGLE VISION, INC.** [US/US]; 6263 Poplar Avenue, Memphis, TN 38119 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **FREEMAN, Jerre, Minor** [US/US]; 2924 Old Lake Pike, Memphis, TN 38119 (US).
- (74) **GORDON, David, P.**; 65 Woods End Road, Stamford, CT 06905 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18901** (13) A1
- (21) PCT/US98/07279
- (22) **7 Apr/avr 1998 (07.04.1998)**
- (25) en (26) en
- (31) 08/950,162 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 9/007, B06B 1/02**
- (54) ● CONTROL SYSTEM FOR A PHACOEMULSIFICATION HANDPIECE
● SYSTEME DE COMMANDE POUR INSTRUMENT A MAIN DE PHACO-EMULSIFICATION
- (71) **ALCON LABORATORIES, INC.** [US/US]; 6201 South Freeway, Fort Worth, TX 76134-2099 (US).
- (72) **BOUKHNY, Mikhail**; 174 Emerald Bay, Laguna Beach, CA 92651 (US). **SALEHL, Ahmad**; 537 Springbrook North, Irvine, CA 92614 (US).
- (74) **SCHIRA, Jeffrey, S.** et al. / etc.; Alcon Laboratories, Inc., Patent Dept. Q-148, 6201 South Freeway, Fort Worth, TX 76134-2099 (US).
- (81) AU BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18902** (13) A1
- (21) PCT/US98/21183
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 08/948,123 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61F 13/00, 13/12**
- (54) ● BANDAGE INCLUDING DATA ACQUISITION COMPONENTS
● PANSEMENT CONTENANT DES ELEMENTS D'ACQUISITION DE DONNEES
- (71, 72) **STERNBERG, Edward, A.** [US/US]; 2527 North Lefebber Avenue, Wauwatosa, WI 53213 (US).
- (72) **DE FABER, Jan-Tjeerd, H., N.**; Mecklenburgplein 5, NL-3062 BL Rotterdam (NL).
- (74) **KUBORN, Joseph, D.** et al. / etc.; Andrus, Seales, Starke & Sawall, LLP, Suite 1100, 100 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18903** (13) A1
 (21) PCT/US98/21610
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/061,762 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) Not furnished / non communiqué (32) **13 Oct/oct 1998 (13.10.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 13/12**
 (54) ● SKIN RESURFACING RECOVERY SYSTEM
 ● SYSTEME DE GUERISON DE LA PEAU APRES RESTRUCTURATION DE LA SURFACE DE CELLE-CI
 (71) **JOHNSON & JOHNSON CONSUMER COMPANIES, INC.** [US/US]; Grandview Road, Skillman, NJ 08558 (US).
 (72) **SKOVER, Gregory**; 66 Cedar Lane, Princeton, NJ 08540 (US). **FORMOSA, Daniel**; 280 Chestnut Ridge Road, Montvale, NJ 07645 (US). **BRISEBOIS, Henri**; 2129 Florent, Lachenaie, Quebec J6W 5W6 (CA). **MURJI, Zulfikar**; 515 Rue François #409, Verdun, Quebec H3E 1G5 (CA). **LEGALL, Isabelle**; 4805 Boulevard Rosemont, Montreal, Quebec H1T 2E4 (CA).
 (74) **CIAMPORCERO, Audley, A.** et al. / etc.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18904** (13) A1
 (21) PCT/EP98/06409
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) de (26) de
 (31) 197 44 537.3 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 13/15**
 (54) ● SEALED DIAPER AND A METHOD FOR PRODUCING THE SAME
 ● COUCHE-CULOTTE HERMETIQUE ET SON PROCEDE DE PRODUCTION
 (71) **PAUL HARTMANN AG** [DE/DE]; Paul-Hartmann-Strasse 12, D-89522 Heidenheim (DE).

(72) **MALOWANIEC, Krzysztof, D.**; Flamenweg 42, D-89522 Heidenheim (DE).
 (74) **FRIZ, Oliver**; Dreiss, Fuhlendorf, Steimle & Becker, Postfach 10 37 62, D-70032 Stuttgart (DE) et al. / etc.
 (81) CZ HU PL SK; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/18905** (13) A1
 (21) PCT/US98/21297
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 08/949,109 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 13/15**
 (54) ● ABSORBENT INTERLABIAL DEVICE COMPRISING A FLUID ACQUISITION/TRANSFER COMPLEX
 ● DISPOSITIF INTERLABIAL ABSORBANT DOTE D'UN COMPLEXE D'ACQUISITION/DE TRANSFERT DE FLUIDE
 (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
 (72) **OSBORN, Thomas, Ward, III**; 400 Deanview Drive, Cincinnati, OH 45224 (US). **VISSCHER, Ronald, Bosman**; 829 Kingfisher Lane, Glendale, OH 45246 (US).
 (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
 (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18906** (13) A1

- (21) PCT/AU98/00847
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 41865/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
 (31) 69864/98 (32) **3 Jun/juin 1998 (03.06.1998)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61F 13/56**
 (54) ● A NAPPY
 ● COUCHE
 (71, 72) **REID, Tammy, Leigh** [AU/AU]; 5 Hazelwood Court, Noosaville, QLD 4566 (AU). **LOWCOCK, Jannett, Lee** [AU/AU]; 5 Hazelwood Court, Noosaville, QLD 4566 (AU).

(74) **CULLEN & CO.**; Level 12, 240 Queen Street, Brisbane, QLD 4000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18907** (13) A1

- (21) PCT/US98/21200
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 60/061,974 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61G 5/06, 5/04**
 (54) ● SAFETY SEPARATION SYSTEM
 ● SYSTEME DE SEPARATION DE SECURITE
 (71) **DEKA PRODUCTS LIMITED PARTNERSHIP** [US/US]; 340 Commercial Street, Manchester, NH 03101 (US).
 (72) **KAMEN, Dean, L.**; 15 Westwind Drive, Bedford, NH 03110 (US). **AMBROGI, Robert**; 141 Arah Street, Manchester, NH 03104 (US). **MORRELL, John, B.**; 1365 Belmont Street, Manchester, NH 03104 (US). **LANGENFELD, Christopher, C.**; 4 Dunloggin Road, Nashua, NH 03063 (US). **SMITH, Stanley, B., III**; 15 Craney Hill Road, Henniker, NH 03242 (US). **STEENSON, James, H., Jr.**; 22 Jade Court, Derry, NH 03038 (US).

(74) **SUNSTEIN, Bruce, D.** et al. / etc.; Bromberg & Sunstein LLP, 125 Summer Street, Boston, MA 02110-1618 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18908** (13) A1

- (21) PCT/EP98/06340
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) de (26) de
 (31) 197 44 544.6 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61H 33/02**
 (54) ● WATER MASSAGE DEVICE FOR USE IN A BATH TUB
 ● SYSTEME D'HYDROMASSAGE S'UTILISANT DANS UNE BAINOIRE
 (71) **EWT ELEKTROGERÄTE GMBH & CO. KG** [DE/DE]; Flachslander Strasse 8, D-90431 Nürnberg (DE).
 (for all designated States except / pour tous les États désignés sauf US)

(71, 72) **PETZ, Günter** [DE/DE]; Vestnertorgraben la, D-90408 Nürnberg (DE). **BETZ, Martin** [DE/DE]; Milbenweg 8, D-90522 Oberasbach (DE). **LANDAUER, Heinz** [DE/DE]; Pfaffenleithe 11, D-90579 Langenzenn (DE).

(74) **GÖBEL**; Pruppacher Hauptstrasse 5-7, D-90602 Pyrbaum-Pruppach (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/18909** (13) A2

(21) PCT/US98/21614

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,405 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K**

(54) ● INTERFERON- γ REGULATORY FACTORS
● FACTEURS DE REGULATION DE L'INTERFERON- γ

(71) **LUDWIG INSTITUTE FOR CANCER RESEARCH** [CH/US]; 605 Third Avenue, New York, NY 10158 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WADA, Hisashi** [JP/US]; 605 Third Avenue, New York, NY 10158 (US). **NOGUCHI, Yuji** [JP/US]; 605 Third Avenue, New York, NY 10158 (US). **MARINO, Michael, W.** [US/US]; 605 Third Avenue, New York, NY 10158 (US). **DUNN, Ashley** [AU/AU]; Royal Melbourne Hospital, P.O. Box 2008, Melbourne, VIC 3050 (AU). **OLD, Lloyd, J.** [US/US]; 605 Third Avenue, New York, NY 10158 (US).

(74) **VAN AMSTERDAM, John, R.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18910** (13) A2

(21) PCT/US98/21651

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,345 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 6/00**

(54) ● CUBIC LEUCITE-CONTAINING DENTAL PORCELAINS
● CERAMIQUES POUR USAGE DENTAIRE RENFERMANT DE LA LEUCITE CUBIQUE

(71) **JENERIC PENTRON INCORPORATED** [US/US]; 53 North Plains Industrial Road, Wallingford, CT 06492 (US).

(71, 72) **PANZERA, Carlino** [-/US]; 7 Huntsman Lane, Bellemead, NJ 08502 (US).

(72) **BRODKIN, Dmitri**; 75 Herbert Terrace, West Orange, NJ 07052 (US).

(74) **REIMER, Leah, M.**; Fishman, Dionne, Cantor & Colburn, 88 Day Hill Road, Windsor, CT 06095 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18911** (13) A2

(21) PCT/US98/21659

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,134 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 6/00**

(54) ● MACHINABLE LEUCITE-CONTAINING PORCELAIN COMPOSITIONS AND METHODS OF MANUFACTURE

● COMPOSITIONS DE PORCELAINE USABLES RENFERMANT DE LA LEUCITE ET LEURS PROCÉDES DE FABRICATION

(71) **JENERIC PENTRON INCORPORATED** [US/US]; 53 North Plains Industrial Road, Wallingford, CT 06492 (US).

(72) **BRODKIN, Dmitri**; 75 Herbert Terrace, West Orange, NJ 07052 (US). **PANZERA, Carlino**; 7 Huntsman Lane, Bellemead, NJ 08502 (US). **PANZERA, Paul**; 1 Middletown Drive, Mt. Holly, NJ 08060 (US).

(74) **REIMER, Leah, M.**; Fishman, Dionne, Cantor & Colburn, 88 Day Hill Road, Windsor, CT 06095 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18912** (13) A2

(21) PCT/US98/21731

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,376 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 6/00**

(54) ● LOW FUSING DENTAL PORCELAINS CONTAINING TETRAGONAL RUBIDIUM LEUCITE

● PORCELAINE DENTAIRE A BAS POINT DE FUSION CONTENANT DE LA LEUCITE TETRAGONALE DE RUBIDIUM

(71) **JENERIC PENTRON INCORPORATED** [US/US]; 53 North Plains Industrial Road, Wallingford, CT 06492 (US).

(72) **BRODKIN, Dmitri**; 75 Herbert Terrace, West Orange, NJ 07052 (US). **PANZERA, Carlino**; 7 Huntsman Lane, Bellemead, NJ 08502 (US).

(74) **REIMER, Leah, M.**; Fishman, Dionne, Cantor & Colburn, 88 Day Hill Road, Windsor, CT 06095 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18913** (13) A2

(21) PCT/EP98/06261

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) de (26) de

(31) 197 44 703.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/00**

(54) ● USE OF STEROL ESTERS AS AGENTS FOR RESTORING NATURAL OILS

● UTILISATION DE STEROLS ESTERIFIES COMME RECONSTITUANTS DU FILM PROTECTEUR

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEIPEL, Werner** [DE/DE]; Hofstrasse 29, D-40723 Hilden (DE). **HENSEN, Hermann** [DE/DE]; Rathmacherweg 13, D-42791 Haan (DE). **KOSBOTH, Celia** [DE/DE]; Sternbuschweg 87, D-47057 Duisburg (DE). **FRANKLIN, Jutta** [DE/DE]; Osteroder Strasse 9, D-40595 Düsseldorf (DE). **TESMANN, Holger** [DE/DE]; Unter den Linden 23, D-41363 Jüchen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18914** (13) A2

(21) PCT/EP98/06306

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) de (26) de

(31) 197 45 355.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/00**

(54) ● APPLICATION OF INDANONES FOR DYING FIBERS CONTAINING KERATIN

● UTILISATION D'INDANONES POUR COLORER DES FIBRES A BASE DE KERATINE

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MÖLLER, Hinrich** [DE/DE]; Haydnstrasse 27, D-40789 Monheim (DE). **HÖFFKES, Horst** [DE/DE]; Carlo-Schmid-Strasse 113, D-40595 Düsseldorf (DE).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18915** (13) A2

(21) PCT/EP98/06307

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) de (26) de

(31) 197 45 293.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/00**

(54) ● APPLICATION OF HALOGENATED TRIPHENYLMETHANE SULFONATES FOR DYING FIBERS CONTAINING KERATIN

- UTILISATION DE SULFONATES DE TRI-PHENYLMETHANE HALOGENES POUR COLORER DES FIBRES A BASE DE KERATINE
- (71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MÖLLER, Hinrich** [DE/DE]; Haydnstrasse 27, D-40789 Monheim (DE). **MEINIGKE, Bernd** [DE/DE]; Wuppertalstrasse 84 b, D-51381 Leverkusen (DE).
- (81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18916** (13) A2
(21) PCT/EP98/06308
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) de (26) de
(31) 197 45 356.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/00**
(54) ● UTILIZATION OF ONIUM ALDEHYDES AND ONIUM KETONES FOR DYING FIBERS CONTAINING KERATIN
● UTILISATION D'ALDEHYDES ET DE CETONES D'ONIUM POUR COLORER DES FIBRES A BASE DE KERATINE
- (71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MÖLLER, Hinrich** [DE/DE]; Haydnstrasse 27, D-40789 Monheim (DE). **HÖFFKES, Horst** [DE/DE]; Carlo-Schmid-Strasse 113, D-40595 Düsseldorf (DE).
- (81) AU BR CA CN CZ HU JP NO PL RU SK US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/18917** (13) A2
(21) PCT/EP98/06310
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) de (26) de
(31) 197 45 354.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/00**
(54) ● AGENT FOR DYEING FIBERS CONTAINING KERATIN WITH A CONCENTRATION OF DEHYDROASCORBIC ACID CONTENT
● AGENT DE COLORATION POUR FIBRES A BASE DE KERATINE, A TENEUR EN ACIDE DEHYDROASCORBIQUE
- (71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MÖLLER, Hinrich** [DE/DE]; Haydnstrasse 27, D-40789 Monheim (DE). **HÖFFKES, Horst** [DE/DE]; Carlo-Schmid-Strasse 113, D-40595 Düsseldorf (DE).
- (81) AU BR CA CN CZ HU JP NO PL RU SK US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/18918** (13) A1
(21) PCT/US98/18805
(22) **10 Sep/sep 1998 (10.09.1998)**
(25) en (26) en
(31) 08/948,914 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/00**
(54) ● WATER DISPERSIBLE PERFLUOROETHER POLYMER ENCAPSULATES
● CAPSULES POLYMERES DE PERFLUOROETHER DISPERSIBLES DANS L'EAU
- (71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).
- (72) **KOPOLOW, Stephen, L.**; 1 Beechtree Lane, Plainsboro, NJ 08536 (US).
- (74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, Building 10, Legal Dept., 1361 Alps Road, Wayne, NJ 07470 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18919** (13) A2
(21) PCT/US98/21675
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/062,088 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/00**
(54) ● TOPICAL COMPOSITIONS FOR REGULATING THE OILY/SHINY APPEARANCE OF SKIN
● COMPOSITIONS TOPIQUES DESTINEES A MINIMISER L'ASPECT GRAS/LUISANT DE LA PEAU
- (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
- (72) **BIEDERMANN, Kimberly, Anne**; 20 Trailbridge Road, Cincinnati, OH 45014 (US). **SCHUBERT, Harry, L.**; 1997 Harrowgate Hill Lane, Fairfield, OH 45014 (US). **PARRAN, John, Joseph**; 9760 N. Marina Drive, Sebastian, FL 32958-6352 (US).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) AU CA CN CZ CZ (Utility model / modèle d'utilité) ID JP KR MX SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/18920** (13) A1
(21) PCT/US98/21794
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 08/951,933 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(31) 09/148,921 (32) **4 Sep/sep 1998 (04.09.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/00**
(54) ● A NEW POWERFUL COSMETIC OR PHARMACEUTICAL COMPOSITION
● NOUVELLE COMPOSITION COSMETIQUE OU PHARMACEUTIQUE PUISSANTE
- (71, 72) **ZHU, Deguang** [CN/US]; Apartment 33, 718 West 171st Street, New York, NY 10032 (US).
- (81) CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18921** (13) A1
(21) PCT/US98/21759
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 08/950,689 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/035, 33/42, 33/00, 47/00**
(54) ● SAND REMOVING BODY POWDER
● POUDRE CORPORELLE ELIMINANT LE SABLE
- (71, 72) **ABRAMSON, Trevor, David** [US/US]; 2055 Holmby Avenue, Los Angeles, CA 90025 (US). **ABRAMSON, Adele** [US/US]; 2055 Holmby Avenue, Los Angeles, CA 90025 (US).
- (74) **ROCKMAN, Howard, B.** et al. / etc.; Sonnenschein Nath & Rosenthal, 8000 Sears Tower, 233 S. Wacker Drive, Chicago, IL 60606 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18922** (13) A1
(21) PCT/FR98/02131
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) fr (26) fr
(31) 97/12713 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/09**
(54) ● METHOD FOR PERMANENT SETTING OF KERATIN FIBRES WITHOUT INTERMEDIATE RINSING
● PROCEDE DE DEFORMATION PERMANENTE DES MATIERES KERATINIQUES SANS RINÇAGE INTERMEDIAIRE
- (71) **L'OREAL** [FR/FR]; 14, rue Royale, F-75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **NGUYEN, Ly-Lan** [FR/FR]; 18, rue du Commandant l'Herminier, F-94240 L'Hay-les-Roses (FR). **SABBAGH, Anne** [FR/FR]; 32, allée E. Venetnat, F-92500 Rueil-Malmaison (FR).

- (74) **BUREAU D.A. CASALONGA JOSSE**; 8, avenue Percier, F-75008 Paris (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18923** (13) A1

(21) PCT/FR98/02132

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) fr (26) fr

(31) 97/12714 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/09**

- (54) ● REDUCING AGENT WITH SEVERAL CONSTITUENTS COMPRISING AT LEAST A COMPOSITION IN POWDER FORM CONTAINING AN AGENT FOR REDUCING HAIR SULPHUR BONDS AND METHOD FOR PERMANENT SETTING OF KERATIN FIBRES

- AGENT REDUCTEUR A PLUSIEURS COMPOSANTS COMPRENANT AU MOINS UNE COMPOSITION SOUS FORME DE POUDRE CONTENANT UN REDUCTEUR DES LIAISONS DISULFURES DU CHEVEU ET PROCEDE DE DEFORMATION PERMANENTE DES MATIERES KERATINIQUES

(71) **L'OREAL** [FR/FR]; 14, rue Royale, F-75008 Paris (FR).
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(72, 75) **NGUYEN, Ly-Lan** [FR/FR]; 18, rue du Commandant l'Herminier, F-94240 L'Hay-les-Roses (FR). **SABBAGH, Anne** [FR/FR]; 32, allée E. Ventenat, F-92500 Rueil-Malmaison (FR).

(74) **BUREAU D.A. CASALONGA JOSSE**; 8, avenue Percier, F-75008 Paris (FR).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18924** (13) A1

(21) PCT/US98/21217

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,219 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/32**

- (54) ● CLEAR STICK DEODORANT
● DEODORANT CLAIR EN BATONNET

(71) **AVON PRODUCTS, INC.** [US/US]; 1251 Avenue of the Americas, New York, NY 10020-1196 (US).

(72) **GRAF, Jeffrey, S.**; 226 Orchard Place, Ridgewood, NJ 07450 (US). **MATESEVAC, Ronald**; 444 New Bridge Road, Teaneck, NJ 07666 (US). **FRANCO, Philip**; 50 Crystal Farm Road, Warwick, NY 10990 (US).

(74) **RUGGIERO, Charles, N., J.**; Ohlandt, Greeley, Ruggiero & Perle, L.L.P., 9th floor, One Landmark Square, Stamford, CT 06901-2682 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18925** (13) A1

(21) PCT/FR98/02199

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/12886 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/46, 7/48**

- (54) ● PERFUME COMPOSITION AND USE OF ORGANOPOLYSILOXANES WITH ARYL FUNCTION AS SOLUBILISING AGENTS AND EMOLLIENTS IN PERFUME COMPOSITIONS

- COMPOSITION PARFUMANTE ET UTILISATION D'ORGANOPOLYSILOXANES A FONCTION ARYLE COMME AGENTS SOLUBILISANTS ET EMOLLIENTS DANS LES COMPOSITIONS PARFUMANTES

(71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR).
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(72, 75) **RICCA, Jean-Marc** [FR/FR]; 16, avenue Michel Bizot, F-75012 Paris (FR). **WILLEMIN, Claudie** [FR/FR]; 26, rue de Lisbonne, F-75008 Paris (FR).

(74) **FABRE, Madeleine-France**; Rhodia Services, Direction de la Propriété Industrielle, 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LT LU LV MD MG MK MN MX NO NZ PL PT RO RU SE SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18926** (13) A1

(21) PCT/GB98/03057

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721587.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/46, C11B 9/00, C11D 3/50**

- (54) ● PERFUME COMPOSITIONS
● COMPOSITIONS PARFUMANTES

(71) **QUEST INTERNATIONAL B.V.** [NL/NL]; Huijzerstraatweg 28, NL-1411 GP Naarden (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PERRING, Keith, Douglas** [GB/GB]; 14 Malvern Road, Ashford, Kent TN24 8HS (GB). **CLEMENTS, Christopher, Francis** [GB/GB]; Inveresk, Lookers Lane, Saltwood, Hythe, Kent CT21 5HW (GB). **MACMASTER, Angus, Peter** [GB/GB]; The Barn, Robus Ceramics, Evington Park, Hastingsleigh, Nr Ashford, Kent TN25 5JH (GB).

(74) **HARRISON, David, C.** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18927** (13) A1

(21) PCT/FR98/02163

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) fr (26) fr

(31) 97/13011 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/48**

- (54) ● COMPOSITIONS FOR COSMETIC AND DERMOPHARMACEUTICAL USE CONTAINING A PLANT EXTRACT OBTAINED FROM CLOVER (*TRIFOLIUM SP.*)

- COMPOSITIONS A USAGE COSMETIQUE OU DERMOPHARMACEUTIQUE CONTENANT UN EXTRAIT VEGETAL OBTENU A PARTIR DU TREFLE (*TRIFOLIUM SP.*)

(71) **SEDERMA S.A.** [FR/FR]; 29, rue du Chemin Vert, Boîte postale 33, F-78610 Le Perray en Yvelines (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LINTNER, Karl** [FR/FR]; 15, avenue du Parc, F-78120 Rambouillet (FR).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18928** (13) A1

(21) PCT/IB98/01585

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 60/061,916 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 7/50**

- (54) ● PERSONAL CLEANSING COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

- COMPOSITIONS DE NETTOYAGE POUR L'HYGIENE PERSONNELLE COMPRENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE
- (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **COFFINDAFFER, Timothy, Woodrow** [US/US]; 118 Bridle Lane, Loveland, OH 45140 (US). **CRIBE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US). **LANZALACO, Anthony, Charles** [US/US]; 5492 Ivanhoe Court, Fairfield, OH 45014 (US).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) BR CN JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/18929** (13) A1
(21) PCT/US98/21676
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/061,975 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 7/50**
- (54) ● PERSONAL CLEANSING COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS
● COMPOSITIONS D'HYGIENE PERSONNELLE RENFERMANT DES TENSIOACTIFS RAMIFIES A CHAINE MOYENNE
- (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **COFFINDAFFER, Timothy, Woodrow** [US/US]; 118 Bridle Lane, Loveland, OH 45140 (US). **CRIBE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) BR CN JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/18930** (13) A2
(21) PCT/DE98/03030
(22) **16 Oct/oct 1998 (16.10.1998)**
(25) de (26) de
(31) 197 45 618.9 (32) **16 Oct/oct 1997 (16.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 9/00**

- (54) ● PHARMACEUTICAL PREPARATIONS
● PREPARATIONS PHARMACEUTIQUES
- (71) **ISIS PHARMA GMBH** [DE/DE]; Galileistrasse 6, D-08056 Zwickau (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GÜNTHER, Ulrich** [DE/DE]; Ernst-Thälmann-Strasse 112, D-08146 Mülsen St. Niclas (DE). **FREITAG, Sabine** [DE/DE]; Clara-Zetkin-Strasse 18, D-08056 Zwickau (DE). **KUNTZE, Ulrike** [DE/DE]; Hauptstrasse 42b, D-08468 Heinsdorfergrund (DE). **LEHR, Wilhelm, Thomas** [DE/DE]; An der Brauerei 52, D-08432 Steinpleis (DE).
- (74) **ISIS PHARMA GMBH**; Galileistrasse 6, D-08056 Zwickau (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (31) 08/950,732 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 9/10, 9/16, 9/32, 9/34, 9/52, 47/36**
- (54) ● NOVEL ONCE-A-DAY CONTROLLED RELEASE SULFONYLUREA FORMULATION
● NOUVELLE PREPARATION DE SULFONYLUREE A LIBERATION CONTROLEE ET A POSOLOGIE UNIQUE
- (71) **EDWARD MENDELL CO., INC.** [US/US]; 2981 Route 22, Patterson, NY 12563-9970 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BHAGWAT, Dileep** [US/US]; 64 Sagamore Road #D6, Bronville, NY 10708 (US). **DIEHL, Donald, II** [US/US]; 27 Walter Drive, Stony Point, NY 10980 (US). **BAICHWAL, Anand, R.** [IN/US]; 5 Kendell Drive, Wappinger Falls, NY 12590 (US).
- (74) **DAVIDSON, Clifford, M.** et al. / etc.; Davidson, Davidson & Kappel, LLC, 15th floor, 1140 Avenue of the Americas, New York, NY 10036 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18931** (13) A1
(21) PCT/US98/20928
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/948,426 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 9/00**

- (54) ● USE OF FIBRIN SEALANT TO MAINTAIN HEMOSTASIS, LYMPHOSTASIS AND PREVENT LOCAL ACCUMULATION OF BODY FLUIDS
● UTILISATION D'AGENT D'OBTURATION A BASE DE FIBRINE POUR MAINTENIR UNE HEMOSTASE, UNE LYMPHOSTASE ET EMPECHER UNE ACCUMULATION LOCALE DE FLUIDES BIOLOGIQUES

(71) **UNIVERSITY OF VIRGINIA** [US/US]; The Towers Office Building, Suite 1-110, 1224 West Main Street, Charlottesville, VA 22903 (US).

(72) **SPOTNITZ, William, D.**; University of Virginia, Health Sciences Center, Dept. of Surgery, Box 181, Charlottesville, VA 22906 (US).

(74) **KELBER, Steven, B.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18932** (13) A1
(21) PCT/US98/21752
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en

- (11) **WO 99/18933** (13) A2
(21) PCT/US98/21500
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/063,473 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 9/127, C12N 15/88**

- (54) ● METHODS FOR ENCAPSULATING NUCLEIC ACIDS IN LIPID BILAYERS
● METHODES D'ENCAPSULATION D'ACIDES NUCLEIQUES DANS DES BICOUCHES LIPIDIQUES

(71) **INEX PHARMACEUTICALS CORPORATION** [CA/CA]; Glenlyon Business Park, 100-8900 Glenlyon Parkway, Burnaby, British Columbia (CA).
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(71, 72) **SARAVOLAC, Edward, G.** [CA/CA]; 111-217 W. 7th Avenue, Vancouver, British Columbia V6K 1X9 (CA). **ZHANG, Yuan-Peng** [CA/CA]; 201-1406 West 73rd Avenue, Vancouver, British Columbia V6P 3E8 (CA). **WHEELER, Jeffery, J.** [US/CA]; 306-1340 W. 70th Avenue, Vancouver, British Columbia V3S 8T3 (CA). **CULLIS, Pieter, R.** [CA/CA]; 3732 West 1st Avenue, Vancouver, British Columbia V6R 1H4 (CA). **SCHERRER, Peter** [CA/CA]; 2664 Birch, Vancouver, British Columbia V6H 2T5 (CA). **KOJIC, Ljiljana, D.** [CA/CA]; 303-3023 Quebec Street, Vancouver, British Columbia V5T 3B2 (CA). **LUDKOVSKI, Olga** [IL/CA]; 1135 Bennet Drive, Port Coquitlam, British Columbia V3C 6H2 (CA).

(74) **GARRETT-WACKOWSKI, Eugenia** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18934** (13) A1

(21) PCT/US98/21455

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,943 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/14, 9/50, 9/52, 9/60, 9/62, 9/64**

(54) ● MICRO-PARTICULATE AND NANO-PARTICULATE POLYMERIC DELIVERY SYSTEM
● DISPOSITIF D'ADMINISTRATION DE MICROPARTICULES OU DE NANOPARTICULES DE POLYMERES

(71) **VANDERBILT UNIVERSITY** [US/US]; Suite 850, 101 21st Avenue South, Nashville, TN 37203 (US).

(72) **PROKOP, Ales**; 1032 Elmshade Lane, Nashville, TN 37211 (US).

(74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18935** (13) A1

(21) PCT/EP98/06272

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) de (26) de

(31) 197 45 265.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/20**

(54) ● PREPARATION OF A DIRECTLY MOULDABLE TABLETTING AUXILIARY
● PREPARATION D'UN AUXILIAIRE D'AGGLOMERATION DIRECTEMENT COMPRESSIBLE

(71) **MERCK PATENT GMBH** [DE/DE]; D-64271 Darmstadt (DE).
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(72, 75) **SCHWARZ, Eugen** [DE/DE]; Weserstrasse 16, D-64625 Bensheim (DE). **MÖSCHL, Gernot** [DE/DE]; Falltorstrasse 20, D-64331 Weiterstadt (DE). **MAUL, Karin** [DE/DE]; Vilbeler Weg 9, D-64289 Darmstadt (DE).

(74) **MERCK PATENT GMBH**; D-64271 Darmstadt (DE).

(81) AU CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18936** (13) A1

(21) PCT/JP98/04526

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ja (26) ja

(31) 9/291841 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(31) 9/291842 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(31) 9/291843 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/20, 47/26, 47/32, 47/36**

(54) ● QUICKLY SOLUBLE SOLID PREPARATIONS
● PREPARATIONS SOLIDES RAPIDEMENT SOLUBLES

(71) **SSP CO., LTD.** [JP/JP]; 12-4, Nihonbashi-hamacho 2-chome, Chuo-ku, Tokyo 103-8481 (JP).
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(72, 75) **OKADA, Minoru** [JP/JP]; 7-20, Kioroshihigashi 4-chome, Inzai-shi, Chiba 270-1323 (JP). **IKEDA, Yasuo** [JP/JP]; 7-20-307, Tsudanuma 6-chome, Narashino-shi, Chiba 275-0016 (JP). **ONO, Kenji** [JP/JP]; 7-21, Hachimandai 1-chome, Sakura-shi, Chiba 285-0867 (JP). **KURAZUMI, Toshiaki** [JP/JP]; 15-57, Tamatsukuri 7-chome, Narita-shi, Chiba 286-0011 (JP). **KASAI, Syuichi** [JP/JP]; 2-11-102, Azuma 2-chome, Narita-shi, Chiba 286-0018 (JP). **IMAMORI, Katsumi** [JP/JP]; 2521-86, Shizushinden, Yotsukaido-shi, Chiba 289-2100 (JP).

(74) **KUSAMA, Osamu**; Iwata Building, 7th floor, 5-12, Iidabashi 4-chome, Chiyoda-ku, Tokyo 102-0072 (JP).

(81) CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18937** (13) A1

(21) PCT/US98/21598

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,981 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/20, 31/135**

(54) ● NEW CYCLOBENZAPRINE COMPOSITION
● NOUVELLE COMPOSITION CONTENANT DE LA CYCLOBENZAPRINE

(71) **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(72) **KLEINBART, Scott, N.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **SHIROMANI, Prafull, K.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(74) **MERCK & CO., INC.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18938** (13) A1

(21) PCT/US98/20779

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/948,235 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 09/163,202 (32) **30 Sep/sep 1998 (30.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/28**

(54) ● DELAYED TOTAL RELEASE GASTROINTESTINAL DRUG DELIVERY SYSTEM
● SYSTEME D'ADMINISTRATION DE MEDICAMENTS A LIBERATION TOTALE PROLONGEE DESTINES AU TRACTUS GASTRO-INTESTINAL

(63) US 08/948,235 (CIP)
9 Oct/oct 1997 (09.10.1997)

(71) **PERIO PRODUCTS LTD.** [IL/IL]; Har Hozvim Industrial Area, 5th floor, Hamarpeh Street 7, 91237 Jerusalem (IL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LERNER, E., Itzhak** [US/IL]; Wolfson 32, 49541 Petah Tikva (IL). **FLASHNER, Moshe** [IL/IL]; Hafetz Mordechai 15, 49313 Petah Tikva (IL). **PENHASI, Adel** [IL/IL]; Haneviem 45/13, Bat-Yam (IL).

(74) **CIMBALA, Michele, A.** et al. / etc.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 60/062,099 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/157,267 (32) **21 Sep/sep 1998 (21.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 9/48, 9/14**

(54) ● METHODS OF TREATING CAPSULES AND DRY, POWDERED PHARMACEUTICAL FORMULATIONS
● PROCEDES SERVANT A TRAITER DES CAPSULES ET FORMULATIONS PHARMACEUTIQUES SECHES ET PULVERULENTES

(71) **BOEHRINGER INGELHEIM PHARMACEUTICALS, INC.** [-US]; 900 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877 (US).

(72) **HORHOTA, Steven, T.**; 13 Prospect Drive, Brookfield, CT 06804 (US). **SAID, Saim;** 5 Nature View Lane, New Milford, CT 06776 (US).

(74) **RAYMOND, Robert, P.** et al. / etc.; Boehringer Ingelheim Corp., 900 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877 (US).

(81) AU BG BR CA CN CZ EE HU IL JP KR LT LV MX NZ PL RO RU SI TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/18940** (13) A1

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 (25) en (26) en
 (31) 08/951,784 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 9/68**
 (54) ● MALODOR COUNTERACTANT COMPOSITIONS AND METHODS FOR PREPARING AND USING SAME
 ● COMPOSITIONS POUR LUTTER CONTRE LES MAUVAISES ODEURS ET LEURS PROCÉDES DE PREPARATION ET D'UTILISATION
 (71) **BUSH BOAKE ALLEN INC.** [US/US]; 7 Mercedes Drive, Montvale, NJ 07645 (US).
 (72) **MANKOO, Amrit, Singh**; 1032 Ridgebury Road, New Hampton, NY 10958 (US).
 (74) **MUCCINO, Richard, R.**; 758 Springfield Avenue, Summit, NJ 07901 (US).
 (81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18941** (13) A2

(21) PCT/EP98/06651

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,359 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/00**

(54) ● I_h-MODULATORS
 ● MODULATEURS DE CANAL I_h

(71) **AKZO NOBEL N.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).
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(72, 75) **DIJCKS, Fredericus, Antonius** [NL/NL]; Drijvershof 38, NL-5343 XB Oss (NL). **GROVE, Simon, James, Anthony** [GB/GB]; Flat 2/1, 21 Thornwood Avenue, Glasgow G11 7PH (GB). **CARLYLE, Ian, Craig** [GB/GB]; 5 Silver Grove Quater, Hamilton ML3 7X2 (GB). **THORN, Simon, Nicholas** [GB/GB]; 5 Carmichael Court, Lanark ML11 7BE (GB). **RAE, Duncan, Robertson** [GB/GB]; 17 Cleghorn Road, Lanark, Lanarkshire ML11 7QR (GB). **RUIGT, Gerardus, Stephanus, Franciscus** [NL/NL]; Monsterstraat 6, NL-5314 EB Oss (NL). **LEYSSEN, Dirk** [BE/BE]; Kerkstraat 26, B-3920 Lommel (BE).

(74) **KRAAK, H.**; P.O. Box 20, NL-5340 BH Oss (NL).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18942** (13) A1

(21) PCT/GB98/03015

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/061,614 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/00, 31/44, 31/505, 31/445, 31/535**

(54) ● USE OF CSAID™ COMPOUNDS FOR THE MANAGEMENT OF UTERINE CONTRACTIONS
 ● EMPLOI DE COMPOSES DE CSAID™ POUR LE TRAITEMENT DES CONTRACTIONS UTERINES

(71) **IMPERIAL COLLEGE INNOVATIONS LTD.** [GB/GB]; Sheffield Building, Imperial College, London SW7 2AZ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ALVI, Samir, Ahmed** [GB/GB]; Imperial College Innovations Ltd., 47 Prince's Gate, Exhibition Road, London SW7 2QA (GB).

(74) **BLAKEY, Alison, Jane**; SmithKline Beecham, Corporate Intellectual Property, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9721693.1 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/00, 31/44, 31/425**

(54) ● USE OF THIAZOLIDINEDIONES FOR THE TREATMENT OF HYPERGLYCAEMIA
 ● UTILISATION DE THIAZOLIDINEDIONES POUR LE TRAITEMENT DE L'HYPERGLYCEMIE

(71) **SMITHKLINE BEECHAM PLC** [GB/GB]; New Horizons Court, Brentford, Middlesex TW8 9EP (GB).
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(72, 75) **BUCKINGHAM, Robin, Edwin** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **SMITH, Stephen, Alistair** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB).

(74) **GIDDINGS, Peter, John**; SmithKline Beecham, Corporate Intellectual Property, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9721692.3 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/00, 31/44, 31/425**

(54) ● USE OF THIAZOLIDINEDIONES FOR THE TREATMENT OF HYPERGLYCAEMIA

● UTILISATION DE THIAZOLIDINEDIONES POUR LE TRAITEMENT DE L'HYPERGLYCEMIE

(71) **SMITHKLINE BEECHAM PLC** [GB/GB]; New Horizons Court, Brentford, Middlesex TW8 9EP (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUCKINGHAM, Robin, Edwin** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **SMITH, Stephen, Alistair** [GB/GB]; SmithKline Beecham Pharmaceuticals, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB).

(74) **GIDDINGS, Peter, John**; SmithKline Beecham, Corporate Intellectual Property, Brentford, Middlesex TW8 9EP (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 60/061,800 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/00, 31/445, 38/29, C07K 1/02, 1/04, 1/36, 14/635, C12N 15/16**

(54) ● METHOD OF BUILDING AND MAINTAINING BONE

● PROCÉDE DE RECALCIFICATION ET DE CONSERVATION OSSEUSES

(71) **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SATO, Masahiko** [US/US]; 96 Hawthorne Drive, Carmel, IN 46033 (US).

(74) **BOUDREAUX, William, R.** et al. / etc.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18946** (13) A1
 (21) PCT/US98/21558
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 60/062,409 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 60/074,448 (32) **12 Feb/fév 1998 (12.02.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/13, 31/195**
 (54) ● METHODS FOR INCREASING SCHWANN CELL SURVIVAL
 ● TECHNIQUES PERMETTANT D'ACCROITRE LA SURVIE DES CELLULES DE SCHWANN
 (71, 72) **TATTON, Nadine, A.** [CA/US]; 8 Halliday Court, Purchase, NY 10577 (US). **TATTON, William, G.** [CA/US]; 8 Halliday Court, Purchase, NY 10577 (US).
 (74) **HANLEY, Elizabeth, A.** et al. / etc.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18947** (13) A1
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 (22) **23 Sep/sep 1998 (23.09.1998)**
 (25) en (26) en
 (31) 60/061,798 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/135, C07C 209/86, 209/88, 211/26, 215/12**
 (54) ● PROCESS TO MAKE CHIRAL COMPOUNDS
 ● PROCEDE DE PREPARATION DE COMPOSES CHIRAUX
 (71) **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **RATZ, Andrew, Michael** [US/US]; 225 Southwind Way, Greenwood, IN 46142 (US).
 (74) **TITUS, Robert, D.** et al. / etc.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).
 (81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18948** (13) A1
 (21) PCT/SE98/01791
 (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) en (26) en
 (31) 9703692-5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/195, 31/155 // C07C 279/14**
 (54) ● NEW USE OF NPY ANTAGONISTS
 ● NOUVELLE UTILISATION D'ANTAGONISTES DU NPY
 (71) **ASTRA AKTIEBOLAG** [SE/SE]; S-151 85 Södertälje (SE). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **SCHÜTZER, Kajs-Marie** [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). **ÅBLAD, Bengt** [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE).
 (74) **ASTRA AKTIEBOLAG**; Patent Dept., S-151 85 Södertälje (SE).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18949** (13) A1
 (21) PCT/US98/20638
 (22) **2 Oct/oct 1998 (02.10.1998)**
 (25) en (26) en
 (31) 60/062,419 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (31) 60/069,824 (32) **16 Dec/déc 1997 (16.12.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/195, 31/16, 31/13, 31/04, A61N 1/30**
 (54) ● NITRIC OXIDE DONOR COMPOSITIONS, METHODS, APPARATUS, AND KITS FOR PREVENTING OR ALLEVIATING VASOCONSTRICTION OR VASOSPASM IN A MAMMAL
 ● COMPOSITIONS DONNEUR A BASE D'OXYDE NITRIQUE, METHODES, APPAREIL ET KITS DE PREVENTION ET D'ATTENUATION DE LA VASOCONSTRICTION ET DE SPASMES VASCULAIRES CHEZ UN MAMMIFERE
 (71) **THOMAS JEFFERSON UNIVERSITY** [US/US]; Suite 624, 1020 Walnut Street, Philadelphia, PA 19107-5587 (US). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **THOMAS, Jeffrey, E.** [US/US]; 109-113 North Oriana Street, Philadelphia, PA 19106 (US).
 (74) **COLBY, Gary, D.** et al. / etc.; Panitch Schwarze Jacobs & Nadel, P.C., One Commerce Square, 22nd floor, 2005 Market Street, Philadelphia, PA 19103-7086 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18950** (13) A1
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 (22) **9 Oct/oct 1998 (09.10.1998)**
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 (31) 08/947,792 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (31) 09/080,503 (32) **18 May/mai 1998 (18.05.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/255, 31/21, C07C 255/10, 255/07**
 (54) ● MIXED CYANOACRYLATE ESTER COMPOSITIONS
 ● COMPOSITIONS MIXTES D'ESTER CYANOACRYLIQUE
 (71) **MEDLOGIC GLOBAL CORPORATION** [US/US]; Suite 111, 4815 List Drive, Colorado Springs, CO 80919 (US).
 (72) **BERGER, Thomas, Jay**; 1645 Gate House Circle North, B1, Colorado Springs, CO 80904 (US). **MORALES, Carlos**; 44 Raven Hill Court, Colorado Springs, CO 80919 (US). **ASKILL, Ian**; 6572 Foxdale Circle, Colorado Springs, CO 80919 (US). **GREFF, Richard, J.**; 2891 Alton Drive, St. Pete Beach, FL 33706 (US).
 (74) **KREBS, Robert, E.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18951** (13) A1
 (21) PCT/US98/19315
 (22) **16 Sep/sep 1998 (16.09.1998)**
 (25) en (26) en
 (31) 60/060,823 (32) **29 Sep/sep 1997 (29.09.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A61K 31/33, 31/495, 31/50, 31/53, 31/535, 31/54, 31/55, C07D 237/26, 239/70, 241/36, 243/12, 243/14, 245/04, 249/16, 251/72, 253/08, 257/10, 261/20, 263/52, 265/02, 265/12, 265/28, 271/12, 273/02, 275/04, 277/60, 279/14, 291/08**
 (54) ● INHIBITORS OF FARNESYL PROTEIN TRANSFERASE
 ● INHIBITEURS DE LA TRANSFERASE FARNESYLE PROTEINE
 (71) **BRISTOL-MYERS SQUIBB COMPANY** [US/US]; P.O. Box 4000, Princeton, NJ 08543-4000 (US).
 (72) **DING, Charles, Z.**; 40 Marion Drive, Plainsboro, NJ 08536 (US). **HUNT, John, T.**; 7 Skyfield Drive, Princeton, NJ 08540 (US). **LEFATHERIS, Katerina**; 92 Richmond Drive, Skillman, NJ 08558 (US). **BHIDE, Rajeev, S.**; 156 Barnsbury Road, Langhorne, PA 19047 (US).
 (74) **HOFFMAN, Frank** et al. / etc.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18952** (13) A1

(21) PCT/US98/21464

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,093 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/132,848 (32) **11 Aug/août 1998 (11.08.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/35**

(54) ● UPREGULATION OF TYPE III ENDOTHELIAL CELL NITRIC OXIDE SYNTHASE BY HMG-CoA REDUCTASE INHIBITORS

● REGULATION POSITIVE DE L'OXYDE NITRIQUE SYNTHASE DE CELLULES ENDOTHELIALES DE TYPE III PAR DES INHIBITEURS DE LA HMG-CoA REDUCTASE

(71) **BRIGHAM & WOMEN'S HOSPITAL, INC.** [US/US]; 75 Francis Street, Boston, MA 02115 (US). **THE GENERAL HOSPITAL CORPORATION** [US/US]; 55 Fruit Street, Boston, MA 02114 (US).

(72) **LIAO, James, K.**; 12 Audubon Road, Weston, MA 02193 (US). **LAUFS, Ulrich**; Klinik III fuer Innere Medizin, Universitat Koeln, Joseph-Stelzmann-Strasse 9, D-50924 Koeln (DE). **ENDRES, Matthias**; Dept. of Neurology, Charite Hospital, Humboldt University, Schumannstrasse 20/21, D-10098 Berlin (DE). **MOSKOWITZ, Michael, A.**; 257 Prospect Street, Belmont, MA 02178 (US).

(74) **GATES, Edward, R.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/951,912 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/35, 31/05, 31/375**

(54) ● FLAVONOIDS FOR CYSTIC FIBROSIS THERAPY

● FLAVONOIDES SERVANT AU TRAITEMENT DE LA MUCOVISCIDOSE

(71) **CHILDREN'S HOSPITAL OAKLAND RESEARCH INSTITUTE** [US/US]; 747 Fifty Second Street, Oakland, CA 94609-1809 (US).

(72) **FISCHER, Horst, Bernhard**; 839 Carmel Avenue, Albany, CA 94706 (US). **ILLEK, Beate**; 839 Carmel Avenue, Albany, CA 94706 (US).

(74) **MAKI, David, J.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/18954** (13) A1

(21) PCT/US98/21593

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/062,121 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(31) 9806684.8 (32) **27 Mar/mar 1998 (27.03.1998)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/40, C07D 477/14, 519/00**

(54) ● ANTIBACTERIAL CARBAPENEMS, COMPOSITIONS AND METHODS OF TREATMENT

● CARBAPENEMES ANTIBACTERIENS, COMPOSITIONS ET METHODES DE TRAITEMENT

(71) **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BLIZZARD, Timothy, A.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **RATCLIFFE, Ronald, W.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(74) **MERCK & CO., INC.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MW MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18955** (13) A1

(21) PCT/JP98/04649

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) ja (26) ja

(31) 9/281658 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/405, 9/70 // C07D 209/28**

(54) ● PERCUTANEOUSLY ABSORBABLE PREPARATION

● PREPARATION ABSORBABLE PAR VOIE PERCUTANEE

(71) **TAISHO PHARMACEUTICAL CO., LTD.** [JP/JP]; 24-1, Takata 3-chome, Toshima-ku, Tokyo 170-8633 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **OHTSUKI, Tomohiro** [JP/JP]; Taisho Pharmaceutical Co., Ltd., 24-1, Takata 3-chome, Toshima-ku, Tokyo 170-8633 (JP). **KIUCHI, Chikako** [JP/JP]; Taisho Pharmaceutical Co., Ltd., 24-1, Takata 3-chome, Toshima-ku, Tokyo 170-8633 (JP). **YOSHINO, Yoshiko** [JP/JP]; Taisho Pharmaceutical Co., Ltd., 24-1, Takata 3-chome, Toshima-ku, Tokyo 170-8633 (JP).

(74) **KITAGAWA, Tomizo**; Taisho Pharmaceutical Co., Ltd., Patent Division, 24-1, Takata 3-chome, Toshima-ku, Tokyo 170-8633 (JP).

(81) AU CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18956** (13) A1

(21) PCT/US98/21570

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,335 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/415, 38/16, 31/20, 39/395, 31/05**

(54) ● 12(S)-HETE RECEPTOR BLOCKERS

● INHIBITEURS DU RECEPTEUR DE 12(S)-HETE

(71) **CITY OF HOPE** [US/US]; 1500 East Duarte Road, Duarte, CA 91010-0269 (US).

(72) **NATARAJAN, Rama, Devi**; 16837 East Dawn Haven Road, Hacienda Heights, CA 91745 (US). **NADLER, Jerry, L.**; 2445 Upper Terrace Road, La Crescenta, CA 91214 (US).

(74) **FIGG, E., Anthony** et al. / etc.; Rothwell, Figg, Ernst & Kurz, Suite 701 East, Columbia Square, 555 13th Street N.W., Washington, DC 20004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18957** (13) A1

(21) PCT/US98/05564

(22) **26 Mar/mar 1998 (26.03.1998)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 31/44 // (A61K 31/44, 31:165)**

(54) ● STABLE PHARMACEUTICAL COMPOSITION CONTAINING AMLODIPINE BESYLATE AND ATENOLOL

● COMPOSITION PHARMACEUTIQUE STABLE CONTENANT DU BESYLATE D'AMLODIPINE ET DE L'ATENOLOL

- (71) **REDDY-CHEMINOR, INC.** [US/US]; 66 South Maple Avenue, Ridgewood, NJ 07450 (US). **DR. REDDY'S LABORATORIES LTD.** [IN/IN]; 7-1-27 Ameerpet, Hyderabad 500 016 (IN). *(for all designated States except / pour tous les États désignés sauf US)*
- (72) 75 **RAO, K., B., Sankara** [IN/IN]; 7-1-27 Ameerpet, Hyderabad 500 016 (IN). **RAO, M., S., Sarveswara** [IN/IN]; 7-1-27 Ameerpet, Hyderabad 500 016 (IN). **TAGORE, G., V., R.** [IN/IN]; 7-1-27 Ameerpet, Hyderabad 500 016 (IN). **RAMESH, C., H.** [IN/IN]; 7-1-27 Ameerpet, Hyderabad 500 016 (IN).
- (74) **CORD, Janet, I.**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al. / etc.
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
- Published / Publiée : (c), (f)
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- (11) **WO 99/18958** (13) A1
(21) PCT/US98/21780
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 60/062,428 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/44**
(54) ● BATHOCUPROINE TREATMENT OF NEUROLOGIC DISEASE
● TRAITEMENT DE MALADIES NEUROLOGIQUES A LA BATHOCUPROINE
- (71) **UAB RESEARCH FOUNDATION** [US/US]; Suite 1120G, 701 S. 20th Street, Birmingham, AL 35294-0111 (US).
- (72) **CROW, John, P.**; 1433 Ferncliff Circle, Birmingham, AL 35213 (US). **BECKMAN, Joseph, P.**; 4432 Briarglen Drive, Birmingham, AL 35213 (US).
- (74) **ADLER, Benjamin, A.**; McGregor & Adler, 8011 Candle Lane, Houston, TX 77071 (US).
- (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18959** (13) A1
(21) PCT/US98/21972
(22) **14 Sep/sep 1998 (14.09.1998)**
(25) en (26) en
(31) 60/062,089 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/44, 47/18**
(54) ● PHARMACEUTICAL FORMULATION COMPRISING GLYCINE AS A STABILIZER
● FORMULATION PHARMACEUTIQUE COMPRENANT DE LA GLYCINE COMME STABILISANT
- (71) **EISAI CO., LTD.** [JP/JP]; 4-6-10, Koishikawa, Bunkyo-ku, Tokyo 112-88 (JP). *(for all designated States except / pour tous les États désignés sauf US)*
- (72) 75 **MCSHANE, James** [US/US]; Eisai Inc., Suite 307, 100 Capitola Drive, Durham, NC 27713 (US). **WOOD, Ray** [US/US]; Eisai Inc., Suite 307, 100 Capitola Drive, Durham, NC 27713 (US). **WATANABE, Sumio** [JP/JP]; Eisai Co., Ltd., Kawashima Industrial Park, Takihaya, Kawashima-cho, Hashima, Gifu 501-61 (JP). **IWAMOTO, Kiyoshi** [JP/JP]; 8-140, Tsutsujigaoka Kagamihara, Gifu (JP). **ONAI, Katsumi** [JP/JP]; Famile Moridou, 103, Kitakata, Azamoridou 160, Kitakata, Ichinomiya, Aichi (JP).
- (74) **WILDMAN, David, E.** et al. / etc.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022-7513 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18960** (13) A1
(21) PCT/SE98/01792
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) en (26) en
(31) 9703693-3 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/47, 45/06**
(54) ● NOVEL COMBINATION
● NOUVELLE ASSOCIATION
- (71) **ASTRA PHARMACEUTICALS LTD.** [GB/GB]; Home Park, Kings Langley, Herts WD4 8DH (GB). *(for all designated States except / pour tous les États désignés sauf MG US)*
- (71) **ASTRA AKTIEBOLAG** [SE/SE]; S-151 85 Södertälje (SE). *(only for / seulement pour MG)*
- (72) 75 **HAMLEY, Peter** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB). **TINKER, Alan** [GB/GB]; Astra Charnwood, Bakewell Road, Loughborough, Leics. LE11 5RH (GB).
- (74) **ASTRA AKTIEBOLAG**; Patent Dept., S-151 85 Södertälje (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18961** (13) A1
(21) PCT/US98/21313
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/062,947 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/47, 37/00, 31/715**
(54) ● METHOD OF PREVENTING NEPHROTOXICITY CAUSED BY CYCLOSPORINS AND TACROLIMUS
- PROCEDE POUR PREVENIR LA NEPHROTOXICITE RESULTANT DE L'ADMINISTRATION DE CYCLOSPO-RINE ET DE TACROLIMUS
- (71) **BAKER NORTON PHARMACEUTICALS, INC.** [US/US]; 4400 Biscayne Boulevard, Miami, FL 33137 (US). **THE UNITED STATES OF AMERICA**, represented by **THE SECRETARY DEPARTMENT OF HEALTH & HUMAN SERVICES** [US/US]; Washington, DC 20231 (US).
- (72) **STRIKER, Gary, E.**; Apartment No. 1204, 1581 Brickell Avenue, Miami, FL 33129 (US). **STRIKER, Lilliane**; Apartment No. 1204, 1581 Brickell Avenue, Miami, FL 33129 (US). **KORTRIGHT, Kenneth, H.**; 16435 S.W. 79th Street, Pembroke Pines, FL 33331 (US).
- (74) **SCHIFFMILLER, Martin, P.C.**; Kirschstein, Ottinger, Israel & Schiffmiller, P.C., 489 Fifth Avenue, New York, NY 10017-6105 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18962** (13) A1
(21) PCT/US98/21395
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/063,469 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/47, 31/155, C07C 215/14, C07D 215/14**
(54) ● PHARMACEUTICALLY ACTIVE COMPOUND AND METHODS OF USE
● COMPOSE ACTIF DU POINT DE VUE PHARMACEUTIQUE ET SES METHODES D'UTILISATION
- (71) **CAMBRIDGE NEUROSCIENCE, INC.** [US/US]; One Kendall Square, Building 700, Cambridge, MA 02139 (US).
- (72) **DURANT, Graham, J.**; 4 Bow Street, Wellesley, MA 02181 (US). **PERLMAN, Michael**; 49 Marion Street, Brookline, MA 02146 (US). **FISCHER, James, B.**; 1524 Cambridge Street, Cambridge, MA 02139 (US). **PADMANABHAN, Seetharamaier**; Apartment #1501, 520 Main Street, Malden, MA 02148 (US).
- (74) **CONLIN, David, G.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18963** (13) A1
(21) PCT/IT98/00266

(22) 6 Oct/oct 1998 (06.10.1998)

(25) en (26) en

(31) RM97A000613 (32) 10 Oct/oct 1997 (33) IT (10.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/495

(54) ● USE OF FLUNARIZINE FOR THE TOPICAL TREATMENT OF GLAUCOMA

● UTILISATION DE LA FLUNARIZINE POUR LE TRAITEMENT TOPIQUE DU GLAUCOME

(71) MEDIVIS S.R.L. [IT/IT]; Via Marmolada, 4, I-20100 Milano (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) LISI, Giuseppe [IT/IT]; Medivis s.r.l., Via Marmolada, 4, I-20100 Milano (IT).

(74) BANCHETTI, Marina et al. / etc.; Ing. Barzanò & Zanardo Roma S.p.A., Via Piemonte, 26, I-00187 Roma (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/18964 (13) A1

(21) PCT/US98/21846

(22) 15 Oct/oct 1998 (15.10.1998)

(25) en (26) en

(31) 08/983,269 (32) 15 Oct/oct 1997 (33) US (15.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/495, 31/535

(54) ● ZWITTERIONIC COMPOSITIONS AND METHODS AS BIOLOGICAL RESPONSE MODIFIERS

● COMPOSITIONS ET METHODES ZWITTERIONIQUES UTILISEES COMME MODIFICATEURS DE REponse BIOLOGIQUE

(71, 72) THEODORE, T., Ronald [US/US]; 3 Robinwood Circle, P.O. Box 513, Forestdale, MA 02644 (US).

(72) VAN ZANDT, Roscoe, L.; 801 Road to Six Flags West, Arlington, TX 76012 (US).

(74) CROWLEY, Richard, P.; 901 Main Street, P.O. Box 901, Osterville, MA 02655 (US).

(81) AU BR CA CN IL JP KR MX NO NZ SG; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (b)

(11) WO 99/18965 (13) A1

(21) PCT/EP98/06350

(22) 2 Oct/oct 1998 (02.10.1998)

(25) en (26) en

(31) 97203161.1 (32) 10 Oct/oct 1997 (33) EP (10.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/545, 9/20

(54) ● ORAL COMPOSITIONS CONTAINING A CEPHALOSPORIN ANTIBIOTIC

● COMPOSITIONS ORALES CONTENANT UN ANTIBIOTIQUE DE TYPE CEPHALOSPORINE

(71) YAMANOUCHI EUROPE B.V. [NL/NL]; Elisabethhof 19, P.O. Box 108, NL-2350 AC Leiderdorp (NL).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) VAN KOUTRIK, Robertus, Cornelis [NL/NL]; Yamanouchi Europe B.V., Elisabethhof 19, P.O. Box 108, NL-2350 AC Leiderdorp (NL).

(74) YAMANOUCHI EUROPE B.V.; Dept. of Legal Affairs, Patents & Trademarks, Elisabethhof 19, P.O. Box 108, NL-2350 AC Leiderdorp (NL).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/18966 (13) A1

(21) PCT/EP98/06382

(22) 7 Oct/oct 1998 (07.10.1998)

(25) en (26) en

(31) 9721497.7 (32) 9 Oct/oct 1997 (33) GB (09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/55

(54) ● PARENTERAL FORMULATIONS COMPRISING CARBAMAZEPINE OR ITS DERIVATIVES

● FORMULATIONS PARENTERALES CONTENANT DE LA CARBAMAZEPINE OU DES DERIVES DE CETTE DERNIERE

(71) NOVARTIS AG [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).

(for all designated States except / pour tous les États désignés sauf AT US)

(71) NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H. [AT/AT]; Brunner Strasse 59, A-1235 Vienna (AT).
(only for / seulement pour AT)

(72, 75) VAN HOOGEVEST, Peter [NL/CH]; Breitenstrasse 3, CH-4416 Bubendorf (CH).

(74) BECKER, Konrad; Novartis AG, Corporate Intellectual Property, Patent & Trademark Dept., CH-4002 Basel (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/18967 (13) A1

(21) PCT/GB98/03076

(22) 12 Oct/oct 1998 (12.10.1998)

(25) en (26) en

(31) 9721746.7 (32) 15 Oct/oct 1997 (33) GB (15.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/55, 9/107, 9/20 // (A61K 31/55, 31:485)

(54) ● ANALGESIC COMPOSITIONS

● COMPOSITIONS ANALGESIQUES

(71) PANOS THERAPEUTICS LIMITED [GB/GB]; The Doctors House, High Street, Little Milton, Oxford OX44 7PU (GB).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) IVERSEN, Leslie, Lars [GB/GB]; The Doctors House, High Street, Little Milton, Oxford OX44 7PU (GB).

(74) SANDERSON, Laurence, Andrew et al. / etc.; Sanderson & Co., 34 East Stockwell Street, Colchester, Essex CO1 1ST (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/18968 (13) A1

(21) PCT/JP98/04398

(22) 30 Sep/sep 1998 (30.09.1998)

(25) ja (26) ja

(31) 9/278539 (32) 13 Oct/oct 1997 (33) JP (13.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/557

(54) ● PORTAL HYPERTENSION INHIBITOR

● INHIBITEUR DE L'HYPERTENSION PORTALE

(71) R-TECH UENO, LTD. [JP/JP]; 4-8, Koraibashi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0043 (JP).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) UENO, Ryuji [JP/JP]; 7-29, Misaku-cho, Nishinomiya-shi, Hyogo 662-0095 (JP).

(74) AOYAMA, Tamotsu et al. / etc.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001 (JP).

(81) AU CA CN JP KR NO NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) WO 99/18969 (13) A1

(21) PCT/JP98/04399

(22) 30 Sep/sep 1998 (30.09.1998)

(25) ja (26) ja

(31) 9/278540 (32) 13 Oct/oct 1997 (33) JP (13.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ A61K 31/557

(54) ● REMEDIAL COMPOSITION FOR INTRAOCULAR HYPERTENSION OR GLAUCOMA

- COMPOSITION CURATIVE DE L'HYPERTENSION INTRAOCULAIRE OU DU GLAUCOME
- (71) **R-TECH UENO, LTD.** [JP/JP]; 4-8, Koraibashi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **UENO, Ryuji** [JP/JP]; 7-29, Misaku-cho, Nishinomiya-shi, Hyogo 662-0095 (JP).
- (74) **AOYAMA, Tamotsu** et al. / etc.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001 (JP).
- (81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18970** (13) A1
- (21) PCT/JP98/04599
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) ja (26) ja
- (31) 9/280465 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/557, 9/06, 9/08**
- (54) ● PREVENTIVES AND REMEDIES FOR OPHTHALMIC CIRCULATORY DISTURBANCE
● MEDICAMENTS A ACTION PREVENTIVE ET REMEDES CONTRE LES TROUBLES CIRCULATOIRES OPHTALMIQUES
- (71) **SENJU PHARMACEUTICAL CO., LTD.** [JP/JP]; 5-8, Hiranomachi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0046 (JP). **ASAHI GLASS CO., LTD.** [JP/JP]; 1-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8305 (JP).
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- (72, 75) **OGAWA, Takahiro** [JP/JP]; 7-8-307, Kamigaki-cho, Nishinomiya-shi, Hyogo 662-0865 (JP). **WATANABE, Noriko** [JP/JP]; 9-24-501, Kishibemimami 1-chome, Suita-shi, Osaka 564-0011 (JP). **WAKI, Mitsunori** [JP/JP]; 19-14, Sakuragaokanishimachi 3-chome, Nishi-ku, Kobe-shi, Hyogo 651-2227 (JP). **NAKANO, Takashi** [JP/JP]; 234, Hazawa Apartment, 543, Sanmai-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0862 (JP).
- (74) **TAKASHIMA, Hajime**; Yuki Building, 3-9, Hiranomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0046 (JP).
- (81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18971** (13) A1
- (21) PCT/US98/20480
- (22) **6 Oct/oct 1998 (06.10.1998)**
- (25) en (26) en
- (31) 08/948,118 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/58, 9/12, 9/72**
- (54) ● MOMETASONE FUROATE SUSPENSIONS FOR NEBULIZATION
● SUSPENSIONS DE MOMETASONE FUROATE POUR LA NEBULISATION
- (63) US 08/948,118 (CON)
9 Oct/oct 1997 (09.10.1997)
- (71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HARRIS, David** [GB/US]; 7 Lackawanna Boulevard, New Providence, NJ 07974 (US). **SEQUEIRA, Joel, A.** [US/US]; 6 Mary Ellen Drive, Edison, NJ 08820 (US). **CHAUDRY, Imtiaz, A.** [US/US]; 18 Rose Avenue, North Caldwell, NJ 07006 (US).
- (74) **FRANKS, Robert, A.** et al. / etc.; Schering-Plough Corporation, Patent dept., K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).
- (81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18972** (13) A1
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- (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) en (26) en
- (31) 9703691-7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/66**
- (54) ● NEW IMPROVED FORMULATION FOR TREATMENT OF OSTEOPOROSIS
● NOUVELLE FORMULATION AMELIOREE DESTINEE AU TRAITEMENT DE L'OSTEOPOROSE
- (71) **ASTRA AKTIEBOLAG** [SE/SE]; S-151 85 Södertälje (SE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **UNGELL, Anna-Lena** [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE).
- (74) **ASTRA AKTIEBOLAG**; Patent Dept., S-151 85 Södertälje (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18973** (13) A2
- (21) PCT/DE98/03052
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) de (26) de
- (31) 197 45 246.9 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/675, 47/02, 9/08**
- (54) ● LIQUID PRESENTATIONS OF OXAZAPHOSPHORINE-CONTAINING PHARMACEUTICAL PRODUCTS
- FORMES GALENIQUES LIQUIDES DE PRODUITS PHARMACEUTIQUES A BASE D'OXAZAPHOSPHORINE
- (71) **STADA ARZNEIMITTEL AG** [DE/DE]; Stadasstrasse 2-18, D-61118 Bad Vilbel (DE).
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- (72, 75) **BAYER, Matthias** [DE/DE]; Olendeelskoppel 36, D-22397 Hamburg (DE).
- (74) **HAMM, Volker**; Maiwald GmbH, Elisenhof, Elisenstrasse 3, D-80335 München (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18974** (13) A1
- (21) PCT/AU98/00844
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) PO 9768 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/70, 31/715, 31/735**
- (54) ● USE OF SULFATED OLIGOSACCHARIDES IN LOWERING BLOOD TRIGLYCERIDE LEVELS
● UTILISATION D'OLIGOSACCHARIDES DANS L'ABAISSMENT DES TAUX DE TRIGLYCERIDES DANS LE SANG
- (71) **THE AUSTRALIAN NATIONAL UNIVERSITY** [AU/AU]; Acton, ACT 2601 (AU).
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- (72, 75) **COWDEN, William, B.** [US/AU]; 56 Urambi Village, Kambah, ACT 2901 (AU). **PARISH, Christopher, R.** [AU/AU]; 62 Vasey Crescent, Campbell, ACT 2601 (AU).
- (74) **HUGHES, E., John, L.** et al. / etc.; Davies Collision Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18975** (13) A1
- (21) PCT/JP98/04537
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) ja (26) ja
- (31) 9/277656 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 31/70 // C07H 13/04**
- (54) ● LEISHMANIASIS REMEDY CONTAINING GLUCOPYRANOSE DERIVATIVE AS THE ACTIVE INGREDIENT

- MEDICAMENT CONTRE LA LEISHMANIOSE, CONTENANT UN DERIVE DE GLUCOPYRANOSE EN TANT QUE PRINCIPE ACTIF
- (71) **UNIVERSITY OF THE RYUKYU** [JP/JP]; 1, Aza-Senbara, Nishihara-cho, Nakagami-gun, Okinawa 903-0213 (JP).
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- (72, 75) **NONAKA, Shigeo** [JP/JP]; Ikan Shukusha A-202, 58, Shuri Ishimine-cho 4-chome, Naha-shi, Okinawa 903-0804 (JP).
- (74) **SUGIMURA, Akihide** et al. / etc.; Kazan Building, 2-4, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-0013 (JP).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18976** (13) A1
(21) PCT/US98/21349
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 60/062,109 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/70, 38/00, 38/02, 38/18**
(54) ● THERAPEUTIC METHODS COMPRISING USE OF A NEUREGULIN
● METHODE THERAPEUTIQUES COMPORTANT L'UTILISATION D'UNE NEUREGULINE
- (63) US 60/062,109 (CON)
14 Oct/oct 1997 (14.10.1997)
- (71) **CAMBRIDGE NEUROSCIENCE, INC.** [US/US]; Building 700, One Kendall Square, Cambridge, MA 02139 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MCBURNEY, Robert, N.** [US/US]; 20 Leslie Road, Newton, MA 02166 (US). **HOLT, William** [US/US]; 162 A East Central Street, Natick, MA 01760 (US). **GWYNNE, David, I.** [US/US]; 77 Grover Street, Beverly, MA 01915 (US). **MARCHIONNI, Mark** [US/US]; 24 Twin Circle Drive, Arlington, MA 02174 (US).
- (74) **CONLIN, David, G.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18977** (13) A1
(21) PCT/US98/21735
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
- (31) 60/062,968 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(31) Not furnished / non communiqué (32) **13 Oct/oct 1998 (13.10.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 31/705, 9/50, 9/127**
(54) ● READILY ABSORBABLE PHYTOSTEROL GLYCOSIDES TO TREAT HYPERCHOLESTEROLEMIA
● GLYCOSIDES DE PHYTOSTEROLS FACILEMENT ABSORBABLES TRAITANT L'HYPERCHOLESTEROLEMIE
- (71) **MEDICAL ISOTOPES INC.** [US/US]; 9 Valleyview Road, Pelham, NH 03076 (US).
- (72) **STOHLER, Eric**; 9 Valleyview Road, Pelham, NH 03076 (US).
- (74) **FREEMAN, John, W.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18978** (13) A1
(21) PCT/US97/18389
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 33/36, 31/19, 31/045**
(54) ● BOVINE TEAT DIP
● PRODUIT POUR TREMPAGE DE TRAYONS
- (71, 72) **RICKETTS, David, J.** [US/US]; 3672 Provincetown Avenue, Irvine, CA 96626 (US).
- (74) **KRAWITZ, Willie**; 3001 Chapel Hill Road, Orange, CA 92867 (US).
- (81) AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU ID IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN; AP (GH KE LS MW SD SZ UG ZW); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/18979** (13) A1
(21) PCT/US98/19768
(22) **22 Sep/sep 1998 (22.09.1998)**
(25) en (26) en
(31) 60/061,663 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 35/14, 38/16**
(54) ● STORAGE-STABLE HEMOGLOBIN COMPOSITION
● COMPOSITION D'HEMOGLOBINE STABLE LORS DE SON STOCKAGE
- (71) **BAXTER INTERNATIONAL INC.** [US/US]; One Baxter Parkway, Deerfield, IL 60015 (US).
- (72) **HAI, Ton, That**; 812 Buckingham Court, Mundelein, IL 60060 (US). **NELSON, Deanna, J.**; 201 Pond Ridge Road, Libertyville, IL 60040 (US). **PEREIRA, David, E.**; 6217 Hidden Oak Drive, Crystal Lake, IL 60014 (US).
- (74) **BARRETT, Joseph, B.** et al. / etc.; Baxter Healthcare Corporation, Rt. 120 & Wilson Road, Round Lake, IL 60073 (US).
- (81) AU CA JP; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/18980** (13) A1
(21) PCT/US98/20366
(22) **29 Sep/sep 1998 (29.09.1998)**
(25) en (26) en
(31) 60/061,662 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(31) 60/061,766 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(31) 60/102,175 (32) **28 Sep/sep 1998 (28.09.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 35/14 // C12N 5/06, 5/08**
(54) ● CANCER IMMUNOTHERAPY USING ALLOSTIMULATED CELLS IN A MULTIPLE SEQUENTIAL IMPLANTATION STRATEGY
● IMMUNOTHERAPIE DU CANCER UTILISANT DES CELLULES ALLOSTIMULEES DANS UNE STRATEGIE DE GREFFE SEQUENTIELLE MULTIPLE
- (71) **MEYER PHARMACEUTICALS, LLC** [US/US]; 1761 Kaiser Avenue, Irvine, CA 92614 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HISERODT, John, C.** [US/US]; 6722 Lon Haven Drive, Huntington Beach, CA 92648 (US).
- (74) **LEHNHARDT, Susan, K.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/18981** (13) A1
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(31) 60/061,766 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **A61K 35/14, C12N 5/06, 5/08, A61K 39/00**
(54) ● IMPLANTS COMPRISING COMBINATIONS OF ALLOGENEIC CELLS FOR USE IN CANCER TREATMENT
● IMPLANTS COMPRENANT DES COMBINAISONS DE CELLULES ALLOGENIQUES POUVANT ETRE UTILISEES DANS LE TRAITEMENT DU CANCER
- (71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607 (US).
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- (72, 75) **THOMPSON, James, A.** [US/US]; 6 Flinstone, Aliso Viejo, CA 92656 (US). **GRANGER, Gale, A.** [US/US]; 31562 Santa Rosa, Laguna Beach, CA 92714 (US).
- (74) **SCHIFF, J., Michael** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18982** (13) A1
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(31) 97 1 19731.8 (32) **8 Oct/oct 1997 (08.10.1997)** (33) CN
(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 35/42**

- (54) ● PULMONARY CELL ACTIVE FACTOR AND METHODS FOR PREPARING THE SAME
● FACTEUR D'ACTIVATION DE CELLULES PULMONAIRES ET SON PROCEDE DE PREPARATION

(71, 72) **LIU, Baihong** [CN/CN]; Shenyang Zhiying Medicine Manufactory, 51 Wanliutang Road, Shenhe District, Shenyang 110015 (CN).

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(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18983** (13) A1

(21) PCT/DK98/00448

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 1180/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DK

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 35/64**

- (54) ● COMPOSITION AND METHOD FOR TREATING AN ENCEPHALOMYELOPATHIC, DEMYELINATING OR AUTOIMMUNE DISEASE
● COMPOSITION ET METHODE DE TRAITEMENT D'UNE MALADIE ENCEPHALOMYELOPATHIQUE, DEMYELINISANTE OU AUTO-IMMUNE

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(72, 75) **LINTNER, Thomas, J.** [US/US]; Vespa Laboratories, Inc., R.D. #1, Box 29, Spring Mills, PA 16875-9703 (US). **GURALNICK, Miles** [US/US]; Vespa Laboratories, Inc., R.D. #1, Box 29, Spring Mills, PA 16875-9703 (US). **SPANGFORT, Michael** [DK/SE]; Hövitsmangatan 14, S-25437 Helsingborg (SE). **IPSEN, Henrik** [DK/DK]; Egevej 16, DK-3400 Hillerød (DK). **AASMUL-ØLSEN, Stig** [DK/DK]; Frydenlundsvvej 9, DK-2942 Skodsborg (DK).

(74) **HOFMAN-BANG & BOUTARD, LEHMANN & REE A/S**; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18984** (13) A1

(21) PCT/CH98/00437

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) de (26) de

(31) 97117669.8 (32) **13 Oct/oct 1997 (13.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 35/78**

- (54) ● METHOD FOR PRODUCING MEDICINAL PLANT EXTRACTS
● PROCEDE DE PRODUCTION D'EXTRAITS DE PLANTES MEDICINALES

(71) **MAX ZELLER SOEHNE AG** [CH/CH]; Seeblickstrasse 4, CH-8590 Romanshorn (CH).
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(72, 75) **STEINER, Rudolf** [DE/DE]; Rehweierstrasse 14, D-91056 Erlangen (DE). **HAUK, Alexander** [DE/DE]; Eichenweg 2, D-92242 Hirschau (DE). **TRATZ, Werner** [DE/DE]; Spinnereistrasse 10, D-91052 Erlangen (DE).

(74) **RITSCHER, Thomas**; Ritscher & Seifert, Forchstrasse 452, Postfach, CH-8029 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18985** (13) A1

(21) PCT/DE98/02943

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) de (26) de

(31) 197 44 459.8 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 35/78, 31/335**

- (54) ● FLAVONOLIGNAN PREPARATIONS, ESPECIALLY Silymarin PREPARATIONS
● PREPARATIONS DE FLAVONOLIGNAN, NOTAMMENT PREPARATIONS A BASE DE Silymarine

(71) **WILLMAR SCHWABE GMBH & CO.** [DE/DE]; Postfach 41 09 25, D-76209 Karlsruhe (DE).
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(72, 75) **HERRMANN, Joachim** [DE/DE]; Berghäuser Strasse 24, D-76229 Karlsruhe (DE). **ÖSCHMANN, Rainer** [DE/DE]; An den Thoräckern 57 a, D-76829 Landau (DE). **STUMPF, Heinz** [DE/DE]; Fuchsbau 27, D-76228 Karlsruhe (DE).

(74) **RUDOLPH, Ulrike**; In der Schanz 10, D-69198 Schriesheim (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/18986** (13) A1

(21) PCT/US98/21345

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/063,468 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US(31) 08/966,296 (32) **7 Nov/nov 1997 (07.11.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 38/00, 39/395, C12N 15/00**

- (54) ● METHOD FOR INHIBITING THE BINDING OF LOW DENSITY LIPOPROTEIN TO BLOOD VESSEL MATRIX
● PROCEDE D'INHIBITION DE LA LIAISON ENTRE UNE LIPOPROTEINE A FAIBLE DENSITE ET UNE MATRICE SOUS FORME DE VAISSEAU SANGUIN

(63) US 08/966,296 (CIP)
7 Nov/nov 1997 (07.11.1997)

(71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).
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(72, 75) **GOLDBERG, Ira, J.** [US/US]; Apartment 11A, 300 West 108th Street, New York, NY 10025 (US). **PILLARISETTI, Sivaram** [IN/US]; 24 Lincoln Avenue, Bergenfield, NJ 07621 (US).

(74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).

(81) AU CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18987** (13) A1

(21) PCT/US98/21346

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,131 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 38/00, C07K 5/00**

- (54) ● LIGAND BINDING SITE OF RAGE AND USES THEREOF
● SITE DE LIAISON DE LIGAND DE RAGE ET UTILISATIONS DUDIT SITE
- (71) **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).
- (72) **STERN, David**; 63 Tanners Road, Great Neck, NY 11020 (US). **YAN, Shi, Du**; Apartment 4-B, 60 Haven Avenue, New York, NY 10032 (US). **SCHMIDT, Ann, Marie**; 242 Haven Road, Franklin Lakes, NJ 07417 (US). **LAMSTER, Ira**; 430 Carlton Road, Wyckoff, NJ 07481 (US).
- (74) **WHITE, John, P.**; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).
- (81) AU CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/18988** (13) A1
- (21) PCT/US98/21064
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
- (31) 60/061,521 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/02, 49/00, C07K 1/00, 1/16, 1/28, 1/36, 2/00, 4/04, 4/12**
- (54) ● PROCESS TO IDENTIFY A SEXUAL RESPONSE-STIMULATING SUBSTANCE
● PROCEDE PERMETTANT D'IDENTIFIER UNE SUBSTANCE STIMULANT LA REACTION SEXUELLE
- (71) **RUTGERS UNIVERSITY** [US/US]; Office of Corporate Liaison and Technology Transfer, ASB Annex II, Bevier Road, Piscataway, NJ 08855-1179 (US).

- (72) **KOMISARUK, Barry, R.**; 36 Harvard Avenue, Maplewood, NJ 07040 (US). **JORDAN, Frank**; 10 Rolling Hill Drive, Chatham, NJ 07924 (US). **WHIPPLE, Beverly**; 31 Northwest Lakeside Drive, Medford, NJ 08055 (US).
- (74) **MULLINS, J., G.** et al. / etc.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/18989** (13) A1
- (21) PCT/US98/21763
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 08/951,621 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/10, 38/16, C07K 7/04, 7/08, 14/435, 16/00, C12Q 1/68, G01N 33/536, 33/58, 33/681, C12N 15/10, 15/63, C07H 21/04**

- (54) ● F-BOX PROTEINS AND GENES
● PROTEINES ET GENES A SEQUENCE F
- (71) **BAYLOR COLLEGE OF MEDICINE** [US/US]; One Baylor Plaza, Houston, TX 77030 (US).
- (72) **HARPER, Jeffrey, Wade**; 1418 Berrytree Drive, Sugarland, TX 77479 (US). **ELLEDDGE, Stephen, J.**; 2103 Addison Road, Houston, TX 77030 (US).
- (74) **SANFORD, E., Warren, Jr.** et al. / etc.; Gardere & Wynne, L.L.P., Suite 3000, 1601 Elm Street, Dallas, TX 75201 (US).
- (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/18990** (13) A1
- (21) PCT/US98/21347
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,720 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/16, 38/17, C07K 14/435, 14/47, C12N 15/12**
- (54) ● THE IL-1 RECEPTOR RELATED PROTEIN 3 (IL-1RRP3)
● PROTEINE 3 ASSOCIEE AU RECEPTEUR DE IL-1

- (71) **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).
- (72) **YOUNG, Peter, R.**; 32 Hendrickson Road, Lawrenceville, NJ 08648 (US).
- (74) **ANDERSEN, Robert, L.** et al. / etc.; Ratner & Prestia, Suite 301, One Westlakes (Berwyn), P.O. Box 980, Valley Forge, PA 19482-0980 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- Published / Publiée : (c)
- (11) **WO 99/18991** (13) A1
- (21) PCT/GB98/03089
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 9721797.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/18, 38/30**

- (54) ● MATERIALS AND METHODS RELATING TO CARTILAGE REPAIR
● MATERIAUX ET METHODES RELATIVES A LA REPARATION DU CARTILAGE
- (71) **UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED** [GB/GB]; 56 Park Place, P.O. Box 497, Cardiff CF1 3XR (GB). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ARCHER, Charles, William** [GB/GB]; 26 Highwalls Terrace, Dinas Powys, Vale of Glamorgan CF6 4AP (GB). **FLANNERY, Carl, Ralph** [GB/GB]; 115 Plassey Street, Penarth, South Glamorgan CF64 1EQ (GB).
- (74) **CRIPPS, Joanna** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/18992** (13) A1
- (21) PCT/IB98/01720
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 97/12687 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/19, 38/20, 38/21 // (A61K 38/21, 38:20)**

- (54) ● OROMUCOSAL CYTOKINE COMPOSITIONS AND USES THEREOF
● COMPOSITIONS A BASE DE CYTOKINE POUR LES MUQUEUSES BUCCALES ET UTILISATION DE CES COMPOSITIONS
- (71) **PHARMA PACIFIC PTY. LTD.** [AU/AU]; 103-105 Pipe Road, Laverton, VIC 3026 (AU). (for all designated States except / pour tous les États désignés sauf US)
- (71, 72) **TOVEY, Michael, Gérard** [GB/FR]; 7, rue Lagrange, F-75005 Paris (FR).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- Published / Publiée : (c)
- (11) **WO 99/18993** (13) A1
- (21) PCT/JP98/04621
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) ja (26) ja
- (31) 9/278505 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **A61K 38/21**

- (54) ● AMELIORANT FOR HEPATITIS C REMEDIAL EFFECT AND APPLICATION THEREOF
● PRODUIT D'AMELIORATION DE L'EFFET CURATIF SUR L'HEPATITE C ET SON APPLICATION
- (71) **OTSUKA PHARMACEUTICAL CO., LTD.** [JP/JP]; 9, Kandatsukasacho 2-chome, Chiyoda-ku, Tokyo 101-0048 (JP). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HAYASHI, Norio** [JP/JP]; 1-1-112, Suimeidai, Kawanishi-shi, Hyogo 666-0116 (JP). **KITO, Yuji** [JP/JP]; 2-28-13, Nagaoka, Nagaokakyo-shi, Kyoto 617-0823 (JP). **FURUKAWA, Aya** [JP/JP]; 1-8-3-901, Kawarayamachi, Chuo-ku, Osaka-shi, Osaka 542-0066 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Doshomachi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18994** (13) A1

(21) PCT/JP98/04609

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) ja (26) ja

(31) 9/281659 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(31) 9/308523 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 38/57, 47/06, 9/08 // C12N 15/12, C07K 14/81**

(54) ● **METHOD FOR KEEPING THE QUALITY OF AQUEOUS PARENTERAL SOLUTION OF THROMBOMODULIN IN STORAGE AND DISTRIBUTION**

● **PROCEDE POUR CONSERVER LA QUALITE D'UNE SOLUTION PARENTERALE AQUEUSE DE THROMBOMODULINE POUR L'ENTREPOSAGE OU LA DISTRIBUTION**

(71) **ASAHI KASEI KOGYO KABUSHIKI KAISHA** [JP/JP]; 2-6, Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530-0004 (JP).
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(72, 75) **YUI, Masaki** [JP/JP]; Room 309, Fuonteanukodaka, 5, Oodoi, Kannamicho, Tagata-gun, Shizuoka 419-0113 (JP). **YOKOZAWA, Akira** [JP/JP]; 8-306, Suzukawanishicho 3-chome, Fuji-shi, Shizuoka 417-0014 (JP). **MURATA, Tomoyo** [JP/JP]; 774-1, Yoshida, Oohitcho, Tagata-gun, Shizuoka 410-2322 (JP). **TSURUTA, Kazuhisa** [JP/JP]; 345-96, Oobuchi, Fuji-shi, Shizuoka 417-0801 (JP). **SHIMIZU, Hirotomo** [JP/JP]; Room 209, Daishiryu, 140-1, Nakamaru, Fuji-shi, Shizuoka 416-0933 (JP).

(74) **KOBAYASHI, Kazunori**; Taiyoseimeitsuka Building, 3rd floor, 25-1, Kitatsuka 2-chome, Toshima-ku, Tokyo 170-0004 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18995** (13) A1

(21) PCT/US98/21456

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,378 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 39/12, 39/00, C12N 15/00, 7/00, C07H 21/04**

(54) ● **IMMUNOGENIC PEPTIDES FROM THE HPV E7 PROTEIN**

● **PEPTIDES IMMUNOGENES ISSUES DE LA PROTEINE HPV E7**

(63) US 08/948,378 (CON)
9 Oct/oct 1997 (09.10.1997)

(71) **PANGAEA PHARMACEUTICALS, INC.** [US/US]; 763 East Concord Avenue, Cambridge, MA 02138 (US).
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(72, 75) **URBAN, Robert, G.** [US/US]; 51 Follen Road, Lexington, MA 02173 (US). **CHICZ, Roman, M.** [US/US]; 4 Cottage Street, Belmont, MA 02178 (US). **COLLINS, Edward, J.** [US/US]; 103 John Martin Court, Carrboro, NC 27510 (US). **HEDLEY, Mary, Lynne** [US/US]; 51 Follen Road, Lexington, MA 02173 (US).

(74) **FRASER, Janis, K.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18996** (13) A1

(21) PCT/US98/21561

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,757 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 39/145**

(54) ● **ENTEROCOCCUS ANTIGENS AND VACCINES**
● **ANTIGENES ET VACCINS TIRES D'ENTEROCOCCUS**

(63) US 08/949,757 (CON)
14 Oct/oct 1997 (14.10.1997)

(71) **NABI** [US/US]; 12280 Wilkins Avenue, Rockville, MD 20852 (US).
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(72, 75) **FATTOM, Ali, Ibrahim** [IL/US]; 1710 Lorre Drive, Rockville, MD 20852 (US). **SOOD, Ramesh, K.** [CA/US]; 10203 Nolan Drive, Rockville, MD 20850 (US). **SHEPHERD, Sara, E.** [US/US]; 17668 Towne Crest Drive, Gaithersburg, MD 20877 (US).

(74) **BENT, Stephen, A.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, DC 20007-5109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/18997** (13) A1

(21) PCT/JP98/04645

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(31) 9/280759 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(31) 10/222024 (32) **5 Aug/août 1998 (05.08.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 39/395, 45/00, 38/20, 38/21**

(54) ● **POTENTIATOR FOR ANTIBODY AGAINST LYMPHOID TUMOR**
● **POTENTIALISATEUR POUR ANTICORPS ANTI-TUMEUR LYMPHOIDE**

(71) **CHUGAI SEIYAKU KABUSHIKI KAISHA** [JP/JP]; 5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOSAKA, Masaaki** [JP/JP]; 11-10, Chidori, Hachiman-cho, Tokushima-shi, Tokushima 770-8075 (JP). **KOISHIHARA, Yasuo** [JP/JP]; Chugai Seiyaku Kabushiki Kaisha, 135, Komado 1-chome, Gotenba-shi, Shizuoka 412-8513 (JP).

(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/18998** (13) A2

(21) PCT/GB98/03046

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721367.2 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 47/32**

(54) ● **DELIVERY SYSTEM**

● **SYSTEME D'ADMINISTRATION**

(71) **THE UNIVERSITY OF LIVERPOOL** [GB/GB]; Senate House, Abercromby Square, Liverpool L69 3BX (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JOHNSTONE, Robert, Alexander, Walker** [GB/GB]; 39 Poulton Road, Bebington, Merseyside L63 9LD (GB). **WARENIUS, Hilmar, Meek** [GB/GB]; 14 Delavor Road, Heswall, Merseyside L64 RM (GB). **FIGUEIREDO, Telmo, Luis, Coutinho** [PT/PT]; Universidade de Aveiro, Dept. de Quimica, P-3800 Aveiro (PT). **SØRENSEN, Alexandra, Maria, Pocas de Santana** [DK/DK]; Vangede, Bygade 115 2th, DK-2820 Gentofte (DK).

(74) **W.P. THOMPSON & CO.**; Coopers Building, Church Street, Liverpool L1 3AB (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/18999** (13) A1

(21) PCT/US98/21656

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/951,393 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 47/48, 7/28**

- (54) ● COMPOSITIONS FOR CONTROLLING BACTERIAL COLONIZATION
 ● COMPOSITIONS PERMETTANT DE REGULIER LA COLONISATION BACTERIENNE

(71) **PHARMACAL BIOTECHNOLOGIES, INC.** [US/US]; Suite 107, 31308 Via Colinas, Westlake Village, CA 91362 (US).

(72) **BUDNY, John, A.**; Suite 107, 31308 Via Colinas, Westlake Village, CA 91362 (US).

(74) **ABRAHAMS, Colin, P.**; Suite 400, 5850 Canoga Avenue, Woodland Hills, CA 91367 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19000** (13) A1

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(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/947,545 (32) **11 Oct/oct 1997 (11.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61K 49/00, A61B 5/05, G01N 33/553, C08K 9/10**

- (54) ● CONTROLLED SIZE POLYMERIC MICROSPHERES WITH SUPERPARAMAGNETIC CORES
 ● MICROSPHERES EN POLYMERES DE TAILLE CONTROLLEE A NOYAUX ULTRAPARAMAGNETIQUES

(71) **THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK** [US/US]; P.O. Box 9, Albany, NY 12201-0009 (US).

(72) **CHU, Benjamin**; 27 View Road, Setauket, NY 11733 (US). **ZAITSEV, Vladimir**; 30 Kejaro Court, Centereach, NY 11720 (US). **DRESCO, Pierre, A.**; Via San Silverio, 23, Interno 7, I-00165 Rome (IT).

(74) **BARON, Ronald, J.**; Hoffmann & Baron, LLP, 6900 Jericho Turnpike, Syosset, NY 11791 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19001** (13) A2

(21) PCT/US98/21134

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/950,697 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 2/00**

- (54) ● METHOD AND APPARATUS FOR GENERATING AND USING CHLORINE DIOXIDE
 ● PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE ET D'UTILISER DU DIOXYDE DE CHLORE

(71) **MEDIVATORS, INC.** [US/US]; Suite 10, 2995 Lone Oak Circle, Eagan, MN 55121 (US).

(72) **DRAKE, James, F.**; 901 20th Avenue S.E., Minneapolis, MN 55414 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19002** (13) A1

(21) PCT/JP97/03696

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 2/10, A23L 3/28**

- (54) ● MOBILE ULTRAVIOLET RAY PROXIMITY IRRADIATION DEVICE
 ● DISPOSITIF D'IRRADIATION DE PROXIMITÉ A RAYONS ULTRAVIOLETS, MOBILE

(71, 72) **YAMASHITA, Shiro** [JP/JP]; 4-24, Zengyo 6-chome, Fujisawa-shi, Kanagawa 251 (JP).

(81) US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19003** (13) A1

(21) PCT/US98/20803

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 60/062,108 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US(31) 09/079,884 (32) **15 May/mai 1998 (15.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 25/00, 27/00**

- (54) ● IMPLANTABLE POLYMER/CERAMIC COMPOSITES
 ● MATERIAUX IMPLANTABLES COMPOSITES A BASE DE POLYMERES-CERAMIQUE

(71) **BATTELLE MEMORIAL INSTITUTE** [US/US]; Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (US).

(72) **ARMSTRONG, Beth, L.**; 6817 West Wernett Road, Pasco, WA 99301 (US). **CAMPBELL, Allison, A.**; 1515 West 16th, Kennewick, WA 99337 (US). **GUTOWSKA, Anna**; 450 Mateo Court, Richland, WA 99352 (US). **SONG, Lin**; 464 Mainmast Court, Richland, WA 99352 (US).

(74) **ZIMMERMAN, Paul, W.**; Battelle Memorial Institute, Pacific Northwest Division, Intellectual Property Services, P.O. Box 999, Richland, WA 99352 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19004** (13) A2

(21) PCT/EP98/06432

(22) **10 Oct/oct 1998 (10.10.1998)**

(25) en (26) en

(31) 60/062,363 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 27/00**

- (54) ● LUBRICIOUS COATING
 ● REVETEMENT LUBRIFIANT

(71) **TYCO GROUP S.A.R.L.** [LU/LU]; 2nd floor, 6, avenue Emile Reuter, L-2420 Luxembourg (LU).

(72) **HUANG, Yeong, Hua**; 2163 Palestra Drive 11, St. Louis, MO 63146 (US).

(74) **SCHALCH, Rainer**; E. Blum & Co., Vorderberg 11, CH-8044 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19005** (13) A1

(21) PCT/GB98/02976

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 9721585.9 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 31/00, 27/00, 15/32, 15/40**

- (54) ● MEMBRANE FOR USE IN GUIDED TISSUE REGENERATION
 ● MEMBRANE UTILISEE DANS LA REGENERATION TISSULAIRE

(71) **ED GEISTLICH SÖHNE AG FÜR CHEMISCHE INDUSTRIE** [CH/CH]; Bahnhofstrasse 40, CH-6110 Wolhusen (CH).
(for all designated States except / pour tous les États désignés sauf US)

(71) **PETT, Christopher** [GB/GB]; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
(only for / seulement pour GB)

(72, 75) **GEISTLICH, Peter** [CH/CH]; Kehrsitensstrasse 19, CH-6362 Stansstad (CH). **ECKMAYER, Zdenek** [DE/DE]; Rote Turmstrasse 28, D-69469 Weinheim (DE). **SCHLOSSER, Lothar** [DE/DE]; Von-der-Au-Strasse 27, D-64297 Darmstadt (DE).

(74) **PETT, Christopher** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) CA CN CZ JP KR PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19006** (13) A1

(21) PCT/GB98/03019

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721679.0 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61L 31/00, 29/00, 25/00, B32B 25/04, 25/08**

(54) ● ELASTIC THIN-WALLED ARTICLES
● ARTICLES ELASTIQUES A PAROI MINCE

(71) **LRC PRODUCTS LIMITED** [GB/GB]; North Circular Road, London E4 8QA (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRIGNOL, Céline** [GB/GB]; 69 John Amner Close, Ely, Cambridgeshire CB6 1DT (GB). **GIDNEY, Kevin** [GB/GB]; 3 Royal Oak Cottages, Oak Lane, Rougham, Bury St. Edmunds, Suffolk IP30 9JX (GB).

(74) **WAIN, Christopher, Paul** et al. / etc.; A.A. Thornton & Co., Northumberland House, 303-306 High Holborn, London WC1V 7LE (GB).

(81) AU CA CN JP NZ SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19007** (13) A2

(21) PCT/US98/21371

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,055 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M**

(54) ● APPARATUS AND METHOD FOR THE TREATMENT OF ACUTE AND CHRONIC RENAL DISEASE BY CONTINUOUS PASSIVE PLASMA ULTRAFILTRATION
● APPAREIL ET METHODE DE TRAITEMENT DE NEPHROPATHIE AIGUE ET CHRONIQUE PAR ULTRAFILTRATION PASSIVE DE PLASMA EN CONTINU

(71) **TRANSVIVO, INC.** [US/US]; Suite 206, 1100 Lincoln Avenue, Napa, CA 94558 (US).

(72) **GORSUCH, Reynolds, G.**; 1119 State Lane, Yountville, CA 94599 (US). **VENKAT, K.**; 62 Kingsberry Drive, Somerset, NJ 08873 (US).

(74) **SIMPSON, Andrew, H.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19008** (13) A1

(21) PCT/US98/21644

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,273 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 1/00, 5/178, 37/00**

(54) ● PULSE FLUID INFUSION SYSTEMS
● SYSTEMES DE PERFUSION DE FLUIDE A IMPULSION

(71) **MERIT MEDICAL SYSTEMS, INC.** [US/US]; 1600 West Merit Parkway, South Jordan, UT 84095 (US).

(72) **LAMPROPOULOS, Fred, P.**; 10664 South Trail Ridge Circle, Sandy, UT 84092 (US). **TRUJILLO, Jerry, L.**; 740 East North Street, Ogden, UT 84404 (US). **SINNOT, M., Mary**; 4192 Sunrise Drive, Park City, UT 84098 (US). **MOTTOLA, Jim, D.**; 1845 West 10740 South, South Jordan, UT 84095 (US). **BICHE, Joseph, E.**; 154 Lakeview Road, Mayfield, NY 12117 (US). **CARLSTROM, Stephen, W.**; 2250 East Kensington, Salt Lake City, UT 84108 (US). **MULLINS, Darwin, L.**; 5482 South 5300 West, Kearns, UT 84118 (US). **POURSAID, Andy, E.**; 8358 South Willow Creek Drive, Sandy, UT 84093 (US).

(74) **NYDEGGER, Rick, D.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19009** (13) A1

(21) PCT/US98/21648

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,272 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 1/00**

(54) ● ONE-HAND PULSE PUMP
● POMPE A IMPULSION A UNE MAIN

(71) **MERIT MEDICAL SYSTEMS, INC.** [US/US]; 1600 West Merit Parkway, South Jordan, UT 84095 (US).

(72) **LAMPROPOULOS, Fred, P.**; 10664 South Trail Ridge Circle, Sandy, UT 84092 (US). **TRUJILLO, Jerry, L.**; 740 East North Street, Ogden, UT 84404 (US). **SINNOT, M., Mary**; 4192 Sunrise Drive, Park City, UT 84098 (US).

(74) **NYDEGGER, Rick, D.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19010** (13) A1

(21) PCT/US98/21424

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,434 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 09/166,005 (32) **2 Oct/oct 1998 (02.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 1/10, 1/36**

(54) ● IMPLANTABLE HEART ASSIST SYSTEM
● APPAREIL D'ASSISTANCE CARDIAQUE IMPLANTABLE

(71) **FORE FLOW CORPORATION** [US/US]; Suite 1830, 650 Towne Center Drive, Costa Mesa, CA 92626 (US).

(72) **BOLLING, Stephen, F.**; 3456 Daleview, Ann Arbor, MI 48105 (US).

(74) **SIMPSON, Andrew, H.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19011** (13) A1

(21) PCT/EP98/06247

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 9721397.9 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 1/16, A61K 47/12**

(54) ● ANTI-CAKING AGENTS
● AGENTS ANTI-AGGLOMERANTS

(71) **VERDUGT B.V.** [NL/NL]; Papesteeg 91, NL-4006 WC Tiel (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN OOLJEN, Johannes, Adrianus, Cornelis** [NL/NL]; A.M.A. van Langeraadweg 7, NL-3381 LB Giessenburg (NL).

(74) **KRISHNAN, Suryanarayana, Kalyana**; BP International Limited, Group Patents & Agreements, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19012** (13) A1

(21) PCT/US98/21684

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,728 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 5/38**

- (54) ● AUTOMATIC AIR ELIMINATOR
● ELIMINATEUR D'AIR AUTOMATIQUE

(71) **MICROWAVE MEDICAL SYSTEMS, INC.** [US/US]; 310-312 School Street, Acton, MA 01720 (US).

(72) **KELLY, Richard**; 13 Vermont Road, Tyngsboro, MA 01879 (US).

(74) **MCKENNA, John, F.** et al. / etc.; Cesari and McKenna, LLP, 30 Rowes Wharf, Boston, MA 02110 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19013** (13) A1

(21) PCT/IB98/01794

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 97/9036 (32) **9 Oct/oct 1997 (09.10.1997)** (33) ZA(31) 98/0490 (32) **21 Jan/jan 1998 (21.01.1998)** (33) ZA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 16/04, 16/20**

- (54) ● ADAPTOR FOR USE WITH A DOUBLE LUMEN ENDOBRONCHIAL TUBE
● ADAPTATEUR UTILISE AVEC UN TUBE ENDOBRONCHIQUE A DOUBLE CAVITE

(71, 72) **VIRANYI, Paul** [HU/ZA]; 7 Van Sande Street, Southfield 7800, Cape Town, Western Cape (ZA).

(74) **LANTOS, Michael**; Danubia, P.O. Box 198, H-1368 Budapest 5 (HU).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19014** (13) A1

(21) PCT/US98/20181

(22) **24 Sep/sep 1998 (24.09.1998)**

(25) en (26) en

(31) 08/949,894 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 16/20**

- (54) ● PULMONARY PRESSURE MODULATOR

- MODULATEUR DE PRESSION PULMONAIRE

(71, 72) **PIPER, Samuel, David** [US/US]; 3929 Arderly Court, Sacramento, CA 95826 (US).

(74) **O'BANION, John, P.**; Gerber, Ritchey & O'Banion LLP, Suite 1550, 400 Capitol Mall, Sacramento, CA 95814 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19015** (13) A1

(21) PCT/SE98/01770

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) sv (26) en

(31) 9703712-1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 25/00**

- (54) ● DEVICE AND METHOD FOR MAKING A CONNECTION BETWEEN A VOLUME AND THE SURROUNDINGS

- PROCEDE ET DISPOSITIF PERMETTANT D'ASSURER UNE COMMUNICATION ENTRE UN VOLUME ET L'ENVIRONNEMENT

(71, 72) **LUNDGREN, Lars-Göran** [SE/SE]; Trossögatan 14, S-371 37 Karlskrona (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S-200 71 Malmö (SE).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19016** (13) A1

(21) PCT/US98/21619

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,893 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 25/00**

- (54) ● CATHETER WITH IMPROVED SPRAY PATTERN FOR PHARMACO-MECHANICAL THROMBOLYSIS THERAPY

- CATHETER PRESENTANT UN MOTIF DE VAPORISATION PERFECTIONNE, ET DESTINE A UNE THERAPIE PHARMACO-MECANIQUE DES THROMBOLYSES

(71) **MERIT MEDICAL SYSTEMS, INC.** [US/US]; 1600 West Merit Parkway, South Jordan, UT 84095 (US).

(72) **MOTTOLA, Jim**; 1843 West 10740 South, South Jordan, UT 84095 (US). **CARLSTROM, Steve, W.**; 2250 East Kensington Avenue, Salt Lake City, UT 84108 (US). **POURSAID, Andy, E.**; 8358 South Willowcreek Drive, Sandy, UT 84093 (US).

(74) **NYDEGGER, Rick, D.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, South Jordan, UT 84111 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19017** (13) A1

(21) PCT/US98/21317

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,770 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 25/01**

- (54) ● GUIDEWIRE WITH TUBULAR CONNECTOR

- FIL-GUIDE A CONNECTEUR TUBULAIRE

(71) **ADVANCED CARDIOVASCULAR SYSTEMS, INC.** [US/US]; 3200 Lakeside Drive, P.O. Box 58167, Santa Clara, CA 95052-8167 (US).

(72) **JAFARI, Mo**; 30660 Milky Way Drive #Y-200, Temecula, CA 92592 (US).

(74) **LYNCH, Edward, J.**; Heller, Ehrman, White & McAuliffe, 525 University Avenue, Palo Alto, CA 94301-1900 (US) et al. / etc.

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19018** (13) A2

(21) PCT/US98/21944

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 953,865 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61M 25/01**

- (54) ● GUIDE WIRE TIP
● POINTE GUIDE-FIL

(71) **SCIMED LIFE SYSTEMS, INC.** [US/US]; One SciMed Place, Maple Grove, MN 55311-1566 (US).

(72) **FLEMING, Thomas, E.**; 3340 Olive Lane North, Plymouth, MN 55447 (US). **VOGEL, Jeffrey, H.**; 8243 Queen Avenue North, Brooklyn Park, MN 55444 (US).

(74) **SEAGER, Glenn, M.** et al. / etc.; Crompton, Seager & Tuft, LLC, Suite 895, 331 Second Avenue South, Minneapolis, MN 55401 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19019** (13) A1

(21) PCT/CA98/00917

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 2,217,920 (32) **8 Oct/oct 1997 (08.10.1997)** (33) CA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 1/36**

- (54) ● GARMENT HAVING CONTROLLER THAT IS ACTIVATED BY MECHANICAL IMPACT
● VETEMENT COMPORTANT UN CONTROLEUR ACTIVE PAR L'IMPACT MECANIQUE

(71) **NEUROMOTION INC.** [CA/CA]; Suite 401, 11044 – 82 Street, Edmonton, Alberta T6G 0T2 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PROCHAZKA, Arthur** [CA/CA]; 9647 88th Avenue, Edmonton, Alberta T6C 1M8 (CA).

(74) **GALLOWAY, Warren, J.**; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19020** (13) A1

(21) PCT/US98/21834

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/063,996 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 1/36**

- (54) ● MAGNETICALLY COMPATIBLE PERIPHERAL NERVE STIMULATOR
● STIMULATEUR DE NERF PERIPHERIQUE A COMPATIBILITE MAGNETIQUE

(71) **MINRAD INC.** [US/US]; 6576 East Quaker Street, Orchard Park, NY 14127 (US).

(72) **SOLTYK, Andrew, J.**; 16 Blackwood Drive, Liverpool, NY 13090 (US). **ALLRED, Jimmie, B., III**; 11 Teasel Lane, Skaneateles, NY 13152 (US). **HOLDREN, Earl, R., III**; Apartment 1, 5028 State Route 34, Auburn, NY 13021 (US).

(74) **McCARTHY, Kevin, D.** et al. / etc.; Hodgson, Russ, Andrews, Woods & Goodyear, 1800 One M & T Plaza, Buffalo, NY 14203-2391 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19021** (13) A1

(21) PCT/US98/21612

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,341 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 1/39**

- (54) ● DUAL SHOCK ATRIAL DEFIBRILLATION APPARATUS

- APPAREIL DE DEFIBRILLATION AURICULAIRE AU MOYEN DE DEUX IMPULSIONS DE CHOC

(71) **UNIVERSITY OF ALABAMA AT BIRMINGHAM RESEARCH FOUNDATION** [US/US]; Suite 1120G, 701 South 20th Street, Birmingham, AL 35294-0111 (US).

(72) **COOPER, Randolph, A.**; 3645 Brookwood Road, Birmingham, AL 35223 (US). **IDEKER, Raymond, E.**; 76 Arlington Court, 2600 Arlington Avenue South, Birmingham, AL 35205 (US).

(74) **SIBLEY, Kenneth, D.** et al. / etc.; Myers, Bigel, Sibley & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19022** (13) A1

(21) PCT/RU97/00297

(22) **26 Sep/sep 1997 (26.09.1997)**

(25) ru (26) ru

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 2/06**

- (54) ● E. B. MAXIMOV'S APPARATUS FOR PHYSIO-THERAPEUTIC TREATMENT
● APPAREIL DE E. B. MAXIMOV PERMETTANT D'APPLIQUER UN TRAITEMENT PHYSIOTHERAPEUTIQUE

(71, 72) **MAXIMOV, Eduard Borisovich** [RU/RU]; ul. Matveevskaj, 6-33, Moscow, 119501 (RU).

(81) CN CZ IL JP KR MX NZ PL SI SK TR US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19023** (13) A1

(21) PCT/US98/21330

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/950,556 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 2/06**

- (54) ● IMPROVED METHOD OF PROVIDING MAGNET THERAPY AND APPARATUS THEREFOR
● PROCEDE AMELIORE DE THERAPIE MAGNETIQUE ET APPAREIL ASSOCIE

(71, 72) **GRZEBIENIAK, Laura, Jean** [US/US]; 300 Oxford Road, Barrington, IL 60010 (US).

(74) **MORNEAULT, Monique, A.** et al. / etc.; Wallenstein & Wagner, Ltd., 311 South Wacker Drive – 5300, Chicago, IL 60606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19024** (13) A1

(21) PCT/GB98/03073

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9721506.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(31) 9727441.9 (32) **31 Dec/déc 1997 (31.12.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 5/06**

- (54) ● ELECTROMAGNETIC RADIATION THERAPY
● THERAPIE PAR RAYONNEMENT ELECTROMAGNETIQUE

(71) **VIRULITE LIMITED** [GB/GB]; P.O. Box 210, Darlington DL3 9GZ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DOUGAL, Gordon, Rex, Paterson** [ZA/GB]; Hartlepool General Hospital, Holdforth Road, Hartlepool TS24 9AH (GB).

(74) **HARRISON GODDARD FOOTE**; Belmont House, 20 Wood Lane, Leeds LS6 2AE (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19025** (13) A1

(21) PCT/US98/21366

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,630 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **A61N 7/00**

- (54) ● ULTRASONIC DELIVERY SYSTEM
● SYSTEME D'EMISSION ULTRASONORE

(71) **EXOGEN, INC.** [US/US]; 10 Constitution Avenue, P.O. Box 6860, Piscataway, NJ 08855 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **URGOVICH, Kenneth, J., Sr.** [US/US]; 43 MacArthur Avenue, Clifton, NJ 07013 (US). **KROMPASICK, Donald, E.** [US/US]; 2220 Aspen Court, Bethlehem, PA 18020 (US). **TALISH, Roger, J.** [US/US]; 5 Harman Court, Hillsborough, NJ 08876 (US).

(74) **CARTER, David, M.** et al. / etc.; Dilworth & Barrese, 333 Earle Ovington Boulevard, Uniondale, NY 11553 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19026** (13) A1
 (21) PCT/FR98/02158
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) fr (26) fr
 (31) 97/13138 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A62C 3/07**
 (54) ● AUTOMATIC FIRE EXTINGUISHING DEVICE INCORPORATED IN A RAILWAY CONVOY
 ● DISPOSITIF D'EXTINCTION AUTOMATIQUE D'INCENDIE INTEGRE A UN CONVOI FERROVIAIRE
 (71, 72) **PONCET, Jean** [FR/FR]; 4, rue Reine Jeanne, F-13100 Aix en Provence (FR). **PONCET, Georges** [FR/FR]; 55 bis, rue Joffroy d'Abbans, F-75017 Paris (FR). **PONCET, Andrée** [FR/FR]; 4, passage de la Main d'Or, F-75011 Paris (FR).
 (74) **PONCET, Jean**; 4, rue Reine Jeanne, F-13100 Aix en Provence (FR).
 (81) AU CA CN JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19027** (13) A2
 (21) PCT/US98/21579
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 60/061,746 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US
 (31) 60/069,896 (32) **17 Dec/déc 1997 (17.12.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B**
 (54) ● OFF-SITE CASINO PLAY
 ● JEU DE CASINO PRATIQUE EN DEHORS DU CASINO
 (71, 72) **BLACK, Gerald, R.** [US/US]; Suite 160, 30590 Southfield Road, Southfield, MI 48076 (US).
 (72, 75) **RACHO, R., Gene** [US/US]; 15724 Winchester Drive, Northville, MI 48167-2336 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19028** (13) A1
 (21) PCT/FR98/02150
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) fr (26) fr
 (31) 97/13071 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B 23/04, A61H 1/02**
 (54) ● APPARATUS FOR RESTORING THE BALANCE OF THE HUMAN BODY
 ● APPAREIL DE REEQUILIBRAGE DU CORPS HUMAIN
 (71, 72) **BARDON, Alain** [FR/FR]; 27, rue Simone Abat, F-26100 Romans (FR). **GUITAY, Louis-Paul** [FR/FR]; 7, avenue de la Gare, F-26760 Monteleger (FR). **TUDICO, Gianfranco** [IT/FR]; Quartier le Prat, F-26500 Bourg-lès-Valence (FR).
 (74) **VUILLERMOZ, Bruno** et al. / etc.; Cabinet Laurent & Charras, 20, rue Louis Chirpaz, Boîte postale 32, F-69131 Ecully Cedex (FR).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19029** (13) A1
 (21) PCT/IL98/00493
 (22) **11 Oct/oct 1998 (11.10.1998)**
 (25) en (26) en
 (31) 121953 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IL
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B 31/11**
 (54) ● IMPROVED FLIPPERS
 ● PALMES AMELIOREES
 (71, 72) **BIRAN, Daniel** [IL/IL]; HaHarooov Street 16A/10, 37808 Givat Ada (IL).
 (74) **EITAN, PEARL, LATZER & COHEN-ZEDEK**; Gav Yam Center 2, Shenkar Street 7, 46725 Herzelia (IL).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19030** (13) A1
 (21) PCT/US98/21325
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/950,197 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B 37/12, 37/00**
 (54) ● GOLF BALL INCORPORATING GRAFTED METALLOCENE CATALYZED POLYMER BLENDS
 ● BALLE DE GOLF INTEGRANT DES MELANGES DE POLYMERES CATALYSES PAR DES METALLOCENES
 (71) **ACUSHNET COMPANY** [US/US]; 333 Bridge Street, Fairhaven, MA 02719 (US).
 (72) **RAJAGOPALAN, Murali**; 11 Flagship Drive, South Dartmouth, MA 02748 (US). **HARRIS, Kevin, M.**; 65 Ryan Street, New Bedford, MA 02740 (US).
-
- (74) **WEILD, David, III** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).
 (81) AU CA GB JP NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19031** (13) A1
 (21) PCT/US98/21212
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 60/061,498 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 09/131,593 (32) **10 Aug/août 1998 (10.08.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B 63/00**
 (54) ● INFLATABLE SPORTS GOAL
 ● CAGE DE BUT GONFLABLE POUR DIVERS SPORTS
 (71) **VIRTUAL SPORTS, INC.** [US/US]; 6644 Rippling Brook Drive S.E., Salem, OR 97301 (US). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BLAIR, Rodney, Lee** [US/US]; 11009 Dapple Way, Bakersfield, CA 93312 (US). **CHAUVET, Philip, George** [US/US]; 6644 Rippling Brook Drive S.E., Salem, OR 97301 (US).
 (74) **UNTERBERG, Walter**; 5709 Burnet Avenue, Van Nuys, CA 91411-3217 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19032** (13) A1
 (21) PCT/GB98/03082
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 97/9182 (32) **14 Oct/oct 1997 (14.10.1997)** (33) ZA
 (31) 97/9990 (32) **6 Nov/nov 1997 (06.11.1997)** (33) ZA
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63B 67/02**
 (54) ● PUTTING GREEN SIMULATOR
 ● SIMULATEUR DE "GREEN"
 (71) **SKONE JAMES, Robert, Edmund** [GB/GB]; Gill Jennings & Every, Broadgate House, 7 Eldon Street, London EC2M 7LH (GB). (only for / seulement pour IS)
 (71, 72) **LONG, Robin, Michael** [ZA/ZA]; 12 Athol Rowan Way, Bedfordview 2007 (ZA).
 (74) **GILL JENNINGS & EVERY**; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

- (11) **WO 99/19033** (13) A1
 (21) PCT/US98/21499
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 60/061,995 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 60/081,165 (32) **8 Apr/avr 1998 (08.04.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63F 1/14**
 (54) ● A METHOD FOR HANDLING OF CARDS IN A DEALER SHOE, AND A DEALER SHOE
 ● PROCEDE DE MANIPULATION DE CARTES DANS UN SABOT DE DISTRIBUTION ET SABOT DE DISTRIBUTION
 (71, 72) **LONG, Shane** [US/US]; 58 Depot Road, Uncasville, CT 06382 (US). **WARREN, David** [US/US]; Route 32 and Quaker, Tilsen, NY 12486 (US).
 (74) **NOTO, Aldo** et al. / etc.; Dorsey & Whitney LLP, Suite 200, 1330 Connecticut Avenue N.W., Washington, DC 20036 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

- (11) **WO 99/19034** (13) A1
 (21) PCT/RU97/00373
 (22) **20 Nov/nov 1997 (20.11.1997)**
 (25) ru (26) ru
 (31) 97116413 (32) **9 Oct/oct 1997 (09.10.1997)** (33) RU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63F 3/06**
 (54) ● METHOD FOR PLAYING A LARGE-SCALE GAME
 ● PROCEDE PERMETTANT DE JOUER A UN JEU A GRANDE ECHELLE
 (71, 72) **VASILEV, Petr Petrovich** [RU/RU]; ul. Dolgorukovskaya, 29-37, Moscow, 103030 (RU). **FOMENKO, Nicolay Vladimirovich** [RU/RU]; ul. Seleznevskaya, 34-1-22, Moscow, 103030 (RU). **KOLESNIKOV, Anton Aleksandrovich** [RU/RU]; Krasnoholmskay, nab., 1/15-41, Moscow, 109172 (RU). **SEMYONOV-ZHUKOV, Grigory Markovich** [RU/RU]; Leninsky pr., 52-50, Moscow, 117333 (RU).
 (74) **KOLESNIKOV, Anton Aleksandrovich**; Krasnoholmskay nab., 1/15-41, Moscow, 109172 (RU).

(81) US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19035** (13) A1
 (21) PCT/US98/21435
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/948,761 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63F 5/04, 9/04, 9/16, 9/24**
 (54) ● CASINO GAME USING A SPINNING TOP AND DEVICE THEREFOR
 ● JEU DE CASINO UTILISANT UNE TOUPIE ET DISPOSITIF ASSOCIE
 (71, 72) **MORRISON, William, C.** [US/US]; 4599 Carriage Lane, Las Vegas, NV 89119 (US).
 (74) **ANDERSON, Philip, J.**; Quirk & Tratos, Suite 500 North, 3773 Howard Hughes Parkway, Las Vegas, NV 89109 (US).
 (81) AU CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (a)

- (11) **WO 99/19036** (13) A1
 (21) PCT/JP98/04622
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) ja (26) ja
 (31) 9/280729 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63F 9/22**
 (54) ● CONTROLLER FOR GAME MACHINES
 ● ORGANE DE COMMANDE DE MACHINES A SOUS
 (71) **NAMCO, LTD.** [JP/JP]; 8-5, Tamagawa 2-chome, Ota-ku, Tokyo 146-0095 (JP).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **WATANABE, Naoki** [JP/JP]; 7-22, Iwatominami 3-chome, Komae-shi, Tokyo 201-0005 (JP). **MIEDA, Yoshihiro** [JP/JP]; Room 310, Patios, 5-1, Minamikase 3-chome, Saiwai-ku, Kawasaki-shi, Kanagawa 211-0955 (JP). **MAEDA, Kazuhiro** [JP/JP]; 11-2, Oguchidori, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0002 (JP).
 (74) **ITO, Takehisa** et al. / etc.; Itoh, Fujita & Partners, KD Building, 25-5, Yotsuya 4-chome, Shinjuku-ku, Tokyo 160-0004 (JP).
 (81) JP US.

- (11) **WO 99/19037** (13) A1
 (21) PCT/US98/20940
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/951,170 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63F 9/22**
 (54) ● A GAMING APPARATUS AND METHOD INCLUDING A PLAYER INTERACTIVE BONUS GAME

● APPAREIL ET PROCEDE DE JEU COMPRENANT UN JEU A BONUS A INTERACTIVITE AVEC LE JOUEUR

- (71) **CASINO DATA SYSTEMS** [US/US]; 3300 Birtcher Drive, Las Vegas, NV 89118 (US).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **SCHNEIDER, Richard, Jay** [US/US]; 3300 Birtcher Drive, Las Vegas, NV 89118 (US). **CARLSON, Rex** [US/US]; 3300 Birtcher Drive, Las Vegas, NV 89118 (US).
 (74) **KREten, Bernhard**; Bernhard Kreten, Esq & Associates, Suite 245, 77 Cadillac Drive, Sacramento, CA 95825 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19038** (13) A1
 (21) PCT/US98/21003
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 60/061,493 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (31) 09/035,047 (32) **5 Mar/mar 1998 (05.03.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63H 1/30**
 (54) ● YO-YO AND METHOD FOR ITS MANUFACTURE
 ● YO-YO ET SON PROCEDE DE FABRICATION
 (71) **YOMEGA CORPORATION** [US/US]; 638 Quechean Street, P.O. Box 4146, Fall River, MA 02723 (US).
 (72) **AMARAL, Leonard, R.**; 82R Plain Street, Rehoboth, MA 02769 (US).
 (74) **BOOKSTEIN, Arthur, Z.**; Kirkpatrick & Lockhart LLP, One International Place, Boston, MA 02110 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19039** (13) A1
 (21) PCT/RU97/00323
 (22) **13 Oct/oct 1997 (13.10.1997)**
 (25) ru (26) ru
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **A63H 33/08**
 (54) ● CONSTRUCTION PART
 ● PIECE DE CONSTRUCTION

- (71, 72) **FADEEV, Valery Alexandrovich** [RU/RU]; ul. Stoletova, 4-2, Moscow, 117192 (RU). **OVCHINNIKOV, Viktor Alexandrovich** [RU/RU]; ul. Ramenki, 7-1-114, Moscow, 117607 (RU).
- (74) **PATENT LAW FIRM JUS**; a/ya 184, Moscow, 103009 (RU).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN.

(11) **WO 99/19040** (13) A1

(21) PCT/NL98/00585

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) nl (26) en

(31) 1007260 (32) **13 Oct/oct 1997 (13.10.1997)** (33) NL

(31) 1009055 (32) **4 May/mai 1998 (04.05.1998)** (33) NL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 21/24, 17/032, E02B 15/04, C02F 1/40**

- (54) ● **DEVICE FOR CONTINUOUSLY SKIMMING OFF A FLOATING TOPLAYER**
● **DISPOSITIF D'ECREMAGE CONTINU DE COUCHE FLOTTANTE SUPERFICIELLE**

(71) **SUPARATOR B.V.** [NL/NL]; Poort van Midden-Gelderland Groen 26, NL-6666 LP Heteren (NL).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **VAN SCHIE, Lodewijk, Johannes, Gijssbertus** [NL/NL]; Van Leeuwenhoeklaan 55, NL-5252 CB Vlijmen (NL).

(74) **MERKELBACH, B.**; Van Ruysdaellaan 47, NL-2264 TK Leidschendam (NL).

(81) AU BR CA FI JP MX NO NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19041** (13) A1

(21) PCT/EP98/06160

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) de (26) de

(31) 197 44 574.8 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 25/26, 29/41, F16L 37/12**

- (54) ● **FILTER MODULE**
● **MODULE DE FILTRE**

(71) **SCHENK FILTERBAU GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG** [DE/DE]; Bettinger Strasse 42, D-73550 Waldstetten (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DIEMER, Wolfgang** [DE/DE]; Schwarzhornweg 7, D-73550 Waldstetten (DE).

(74) **RIEDEL, Peter** et al. / etc.; Menzelstrasse 40, D-70192 Stuttgart (DE).

(81) AU BR CN CZ HU JP NZ PL RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19042** (13) A1

(21) PCT/EP98/06166

(22) **29 Sep/sep 1998 (29.09.1998)**

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(31) 197 44 572.1 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 25/26, 29/41**

- (54) ● **FILTER MODULE**
● **MODULE FILTRANT**

(71) **SCHENK FILTERBAU GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG** [DE/DE]; Bettinger Strasse 42, D-73550 Waldstetten (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DIEMER, Wolfgang** [DE/DE]; Schwarzhornweg 7, D-73550 Waldstetten (DE).

(74) **RIEDEL, Peter** et al. / etc.; Menzelstrasse 40, D-70192 Stuttgart (DE).

(81) AU BR CN CZ HU JP NZ PL RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19043** (13) A2

(21) PCT/US98/21229

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,458 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 60/065,800 (32) **14 Nov/nov 1997 (14.11.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 29/00**

- (54) ● **FILTER ELEMENTS AND METHODS FOR MAKING FILTER ELEMENTS**
● **ELEMENTS FILTRANTS ET PROCEDE DE FABRICATION**

(71) **PALL CORPORATION** [US/US]; 2200 Northern Boulevard, East Hills, NY 11548-1209 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIEGER, Robert, S.** [US/US]; 25 Hastings Street, Dixhill, NY 11746 (US). **CANIL, Jeffrey** [US/US]; 142 Winesap Road, Stamford, CT 06903 (US). **MAYBEE, Stephen, J., A.** [US/US]; 3200 Taughanock Park Road, Trumansburg, NY 14886 (US). **CONNORS, James, T.** [US/US]; 210 West Cortland Street, Groton, NY 13073 (US). **PERI, Joseph** [US/US]; Union Valley Road, 8C65 P.O. Box 549, DeRuyter, NY 13052 (US). **KOSALEK, Joseph** [US/US]; 405 Camden Avenue, Horsehead, NY 14845 (US). **RAUSCH, Alan, R.** [US/US]; 196 Thompkins Street, Cortland, NY 13045 (US).

(74) **BELZ, John, M.**; Leydig, Voit & Mayer, Ltd., Suite 300, 700 Thirteenth Street, N.W., Washington, DC 20005 (US).

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19044** (13) A1

(21) PCT/FR98/02151

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) fr (26) fr

(31) 97/12867 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 46/24, 45/02, 39/20, 39/16**

- (54) ● **METHOD AND APPARATUS FOR SEPARATING DROPLETS OR PARTICLES FROM A GAS STREAM**
● **PROCEDE ET APPAREIL POUR LA SEPARATION DES GOUTELLETES OU PARTICULES D'UN COURANT GAZEUX**

(71) **INSTITUT FRANÇAIS DU PETROLE** [FR/FR]; Dépt. Brevets, 1 & 4, avenue de Bois Préau, F-92852 Rueil-Malmaison Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **DULLIEN, Francis, A., L.** [US/CA]; R.R. #1, Drumbo, Ontario N0J 1G0 (CA).

(74) **INSTITUT FRANÇAIS DU PETROLE**; Dépt. Brevets, 1 & 4, avenue de Bois Préau, F-92852 Rueil-Malmaison Cedex (FR).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19045** (13) A1

(21) PCT/US98/21618

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/949,742 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 47/00, B01F 3/04**

- (54) ● **ULTRA-FILTRATION VACUUM SYSTEM**
● **SYSTEME SOUS VIDE D'ULTRAFILTRATION**

(71) **MIRACLE MARKETING CORPORATION** [US/US]; P.O. Box 52125, Salt Lake City, UT 84152-0125 (US).

(72) **JAMES, Randy, Bruce**; 1940 Evergreen Avenue, Salt Lake City, UT 84106 (US). **EDGINGTON, Michael, John**; 7050 South 260 East, Midvale, UT 84047 (US). **HATCH, Guy, Merideth**; 1560 East 1580 North, Logan, UT 84321 (US).

(74) **SONNTAG, James, L.**; P.O. Box 21, Heber City, UT 84032-0021 (US).

(81) CA CN JP MX; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19046** (13) A1

(21) PCT/CA98/00949

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 60/062,654 (32) **8 Oct/oct 1997 (08.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 47/02**

- (54) ● **GAS SCRUBBER**
● **EPURATEUR-LAVEUR DE GAZ**

(71, 72) **TRIVETT, Gordon, S.** [CA/CA]; 2359 Evan-shire Crescent, Nanoose Bay, British Columbia V9P 9G6 (CA). **TRIVETT, D., Andrew** [CA/CA]; Kedy's Landing, Edgewater Street, Mahone Bay, Nova Scotia, B0J 2E0 (CA).

(74) **BOUSFIELD, Kenneth, L.**; Blake, Cassels & Graydon, Commerce Court West, Box 25, Toronto, Ontario M5L 1A9 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19047** (13) A1

(21) PCT/US98/21043

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/948,558 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 47/16**

(54) ● MIXING IMPELLERS ESPECIALLY ADAPTED FOR USE IN SURFACE AERATION
● ENSEMBLES PALES D'AGITATION SPECIAUX POUR AERATION DE SURFACE

(71) **GENERAL SIGNAL CORPORATION** [US/US]; 1 High Ridge Park, P.O. Box 10010, Stamford, MA 06904 (US).

(72) **MCWHIRTER, John, R.**; 101 Aspen Drive, Boalsburg, PA 16827 (US).

(74) **GALLOWAY, Peter, D.**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19048** (13) A1

(21) PCT/US98/21030

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 08/950,929 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 53/04, C30B 25/14, C23C 16/44**

(54) ● SEMICONDUCTOR MANUFACTURING SYSTEM WITH GETTER SAFETY DEVICE
● SYSTEME DE FABRICATION D'UN SEMI-CONDUCTEUR AVEC DISPOSITIF DE SECURITE A GETTER

(71) **SAES PURE GAS, INC.** [US/US]; 4175 Santa Fe Road, San Luis Obispo, CA 93401 (US).

(72) **LORIMER, D'Arcy, H.**; 230 Houston Way, Pismo Beach, CA 93449 (US). **APPLEGARTH, Charles, H.**; 1327 Ironbark Street, San Luis Obispo, CA 93401 (US).

(74) **MARTINE, Peter, B.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).

(81) CN JP KR RU SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19049** (13) A2

(21) PCT/US98/21071

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 60/062,122 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 53/04**

(54) ● SEMICONDUCTOR MANUFACTURING SYSTEM WITH GETTER SAFETY DEVICE
● SYSTEME DE FABRICATION POUR SEMI-CONDUCTEURS AVEC PURIFICATEUR A GETTER EQUIPE D'UN DISPOSITIF DE SECURITE

(71) **SAES PURE GAS, INC.** [US/US]; 4175 Santa Fe Road, San Luis Obispo, CA 93401 (US).

(72) **LORIMER, D'Arcy, H.**; 230 Houston Way, Pismo Beach, CA 93449 (US). **APPLEGARTH, Charles, H.**; 1327 Ironbark Street, San Luis Obispo, CA 93401 (US).

(74) **MARTINE, Peter, B.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).

(81) CN JP KR RU SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19050** (13) A1

(21) PCT/US98/21384

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 60/062,043 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 53/04, 53/34, 53/30**

(54) ● GAS PURIFICATION SYSTEM WITH SAFETY DEVICE AND METHOD FOR PURIFYING GASES
● SYSTEME DE PURIFICATION DE GAZ DOTE D'UN DISPOSITIF DE SECURITE ET PROCEDE DE PURIFICATION DE GAZ

(71) **SAES PURE GAS, INC.** [US/US]; 4175 Santa Fe Road, San Luis Obispo, CA 93401 (US).

(72) **SUCCI, Marco**; Via Lo Monaco, 9, I-20131 Milano (IT). **VERGANI, Giorgio**; Via della Birona, 27, I-20052 Monza (IT). **LORIMER, D'Arcy, H.**; 230 Houston Way, Pismo Beach, CA 93449 (US).

(74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).

(81) CN JP KR RU SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19051** (13) A1

(21) PCT/EP98/06446

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) de (26) de

(31) 197 45 191.8 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 53/64, 53/70, 53/72, B01J 20/02**

(54) ● AGENT FOR PURIFYING GAS, A METHOD FOR THE PRODUCTION THEREOF, AND THE APPLICATION OF THE SAME
● AGENT POUR L'EPURATION DE GAZ, SON PROCEDE DE PREPARATION ET SON UTILISATION

(71) **FTU GMBH FORSCHUNG UND TECHNISCHE ENTWICKLUNG IM UMWELTSCHUTZ** [DE/DE]; Mühlbergstrasse 1 a, D-82319 Starnberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FICHTEL, Konrad** [DE/DE]; Mühlbergstrasse 1 b, D-82319 Starnberg (DE).

(74) **WEICKMANN, H.** et al. / etc.; Kopernikusstrasse 9, D-81679 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19052** (13) A1

(21) PCT/JP98/04597

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) ja (26) ja

(31) 9/280863 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 53/86, A61L 9/00, 9/20**

(54) ● AIR CLEANER
● EPURATEUR D'AIR

(71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4-12, Nakazakinishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-0015 (JP).

(72) **KAKIMOTO, Akihisa**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **ITO, Yoshihide**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **NUNOKAWA, Syunichi**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **KATO, Toshiyuki**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **ODA, Yasuhiro**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP).

(74) **KAMEI, Hirokatsu**; AI Association of Patent and Trademark Attorneys, 12F Jyutakukinyukoko-Sumitomoseimei Building, 5-20, Minamihommachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 (JP).

(81) AU CN SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19053** (13) A1

(21) PCT/US98/21211

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/061,438 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01D 61/48**

- (54) ● METHODS AND DEVICES FOR PRODUCING SOLID SUBASSEMBLIES OF FLUIDIC PARTICULATE MATTER
● PROCEDES ET DISPOSITIFS DE PRODUCTION DE SOUS-ENSEMBLES SOLIDES DE MATIERE PARTICULAIRE FLUIDE

(71) **MILLIPORE CORPORATION** [US/US]; 80 Ashby Road, Bedford, MA 01730 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PROULX, Andrew, G.** [US/US]; 147 Cambridge Turnpike, Concord, MA 01742 (US). **CARMICHAEL, George, H.** [US/US]; 10 Farrar Road, Rindge, NH 03461 (US).

(74) **HUBBARD, John, Dana** et al. / etc.; Millipore Corporation, 80 Ashby Road, Bedford, MA 01730 (US).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19054** (13) A1

(21) PCT/US98/21394

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,504 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01F 3/04**

- (54) ● METHOD AND APPARATUS FOR FLUID CONTACT
● PROCEDE ET APPAREIL DE MISE EN CONTACT DE FLUIDES

(71) **AMT INTERNATIONAL, INC.** [US/US]; Suite 1100, 100 North Central Expressway, Richardson, TX 75080 (US).

(72) **CHUANG, Karl, T.**; 8742 - 117th Street, Edmonton, Alberta T6G 1R5 (CA). **PAN, Guo-Chang**; Tsinghua University, Beijing (CN).

(74) **CHEN, Spencer, S.**; AMT International, Suite 1100, 100 N. Central Expressway, Richardson, TX 75080 (US).

(81) CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19055** (13) A1

(21) PCT/US98/21996

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/951,802 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01F 3/04**

- (54) ● PRE-COLLECTORS FOR COOLING TOWERS
● PRECOLLECTEURS POUR TOURS DE REFROIDISSEMENT

(71) **TOWER TECH, INC.** [US/US]; P.O. Box 891810, Oklahoma City, OK 73189-1810 (US).

(72) **CURTIS, Harold, D.**; 12312 Swan Haven Drive, Oklahoma City, OK 73170 (US).

(74) **LaBRIE, Michael, J.** et al. / etc.; McAfee & Taft, 10th floor, Two Leadership Square, 211 North Robinson, Oklahoma City, OK 73102 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19056** (13) A1

(21) PCT/US98/21098

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/948,194 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01F 5/00**

- (54) ● MICROFLUIDIC SYSTEMS INCORPORATING VARIED CHANNEL DEPTHS
● SYSTEMES DE TYPE MICROFLUIDIQUE A CANAUX DE PROFONDEURS VARIABLES

(71) **CALIPER TECHNOLOGIES CORPORATION** [US/US]; 1275 California Avenue, Palo Alto, CA 94303 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOPF-SILL, Anne, R.** [US/US]; 30 Minoca Road, Portola Valley, CA 94028 (US). **PARCE, Wallace, J.** [US/US]; 754 Los Robles Avenue, Palo Alto, CA 94306 (US).

(74) **QUINE, Jonathan, A.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19057** (13) A1

(21) PCT/SE98/01842

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 9703732-9 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01F 5/06, D21C 9/10**

- (54) ● METHOD AND APPARATUS FOR INTRODUCTION OF A FIRST FLUID INTO A SECOND FLUID
● PROCEDE ET APPAREIL PERMETTANT D'INTRODUIRE UN PREMIER FLUIDE DANS UN DEUXIEME FLUIDE

(71) **KVAERNER PULPING AB** [SE/SE]; P.O. Box 1033, S-651 15 Karlstad (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EKHOLM, Rolf** [SE/SE]; Pimpstenvägen 10, S-653 50 Karlstad (SE). **WIGARTHSSON, Peter** [SE/SE]; Sandstenvägen 5, S-665 35 Kil (SE).

(74) **KYLIN, Peter**; Kvaerner Pulping AB, P.O. Box 1033, S-651 15 Karlstad (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19058** (13) A1

(21) PCT/CN98/00245

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) zh (26) zh

(31) 97 2 27496.0 (32) **13 Oct/oct 1997 (13.10.1997)** (33) CN

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01J 3/06**

- (54) ● HIGH PRESSURE SYNTHETIC DIE

- MATRICE SYNTHETIQUE A HAUTE PRES-SION

(71, 72) **WANG, Weiping** [CN/CN]; 270-3# Building 4165, Shidong Street, Wuchang District, Wuhan City, Hubei 430200 (CN).

(74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Street, Beijing 100037 (CN).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19059** (13) A1

(21) PCT/EP98/06125

(22) **26 Sep/sep 1998 (26.09.1998)**

(25) de (26) de

(31) 197 44 710.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01J 8/24, C08F 10/00**

- (54) ● GAS PHASE POLYMERISATION IN A BELL-SHAPED REACTOR

- POLYMERISATION EN PHASE GAZEUSE DANS UN REACTEUR CUPULIFORME

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
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(72, 75) **HAENDELER, Friedrich** [DE/US]; 1294 Hogogans Aley, Mt. Pleasant, SC 29464 (US). **HERÖLD, Heiko** [DE/DE]; Feuertornweg 3, D-41470 Neuss (DE). **MLECZKO, Leslaw** [PL/DE]; Hustadtring 63, D-44801 Bochum (DE). **RIEHLE, Claus** [DE/DE]; Odinsweg 4, D-51519 Odenthal (DE). **MERSMANN, Franz-Josef** [DE/DE]; Am Katterbach 14A, D-51427 Bergisch Gladbach (DE). **SCHNEIDER, Jürgen** [DE/DE]; Cleverstrasse 29, D-50668 Köln (DE). **DAUBEN, Michael** [DE/DE]; Derikumer Weg 35, D-41468 Neuss (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19060** (13) A1
(21) PCT/JP98/04620
(22) **13 Oct/oct 1998 (13.10.1998)**
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(31) 9/296405 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(31) 10/98294 (32) **26 Mar/mar 1998 (26.03.1998)** (33) JP
(31) 10/155165 (32) **20 May/mai 1998 (20.05.1998)** (33) JP
(31) 10/173875 (32) **6 Jun/juin 1998 (06.06.1998)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 23/54, B01D 53/56**
(54) ● CATALYST FOR EXHAUST GAS PURIFICATION
● CATALYSEUR DE PURIFICATION DE GAZ D'ÉCHAPPEMENT
(71) **ISUZU CERAMICS RESEARCH INSTITUTE CO., LTD.** [JP/JP]; 8, Tsuchidana, Fujisawa-shi, Kanagawa-ken 252-0806 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **NAITO, Isao** [JP/JP]; 1007, Higashi-koiso, Oiso-machi, Naka-gun, Kanagawa-ken 255-0004 (JP). **OOSUMI, Kazuo** [JP/JP]; 1-9-14-1001, Ishigami Kugenuma, Fujisawa-shi, Kanagawa-ken 251-0025 (JP). **UNNO, Yasuaki** [JP/JP]; 4-12-61-208, Shirohata, Fujisawa-shi, Kanagawa-ken 251-0051 (JP).
(74) **YAMAMOTO, Toshio**; Hata Building, 1-6, Hatchobori 3-chome, Chuoh-ku, Tokyo 104-0032 (JP).
(81) CN US; EP (DE FR GB).
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- (11) **WO 99/19061** (13) A1
(21) PCT/JP98/04638
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/295008 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 23/85 // C10G 45/08, 49/04**
(54) ● HYDROTREATING CATALYST FOR HEAVY OIL, CARRIER FOR THE CATALYST, AND PROCESS FOR THE PREPARATION OF THE CATALYST
● CATALYSEUR D'HYDROTRAITEMENT POUR HUILE LOURDE, SUPPORT DE CATALYSEUR ET PROCÉDE DE PRÉPARATION DE CE CATALYSEUR
(71) **JAPAN ENERGY CORPORATION** [JP/JP]; 10-1, Toranomon 2-chome, Minato-ku, Tokyo 105-0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **MATSUSHITA, Koichi** [JP/JP]; Japan Energy Corporation, 17-35, Niizominami 3-chome, Toda-shi, Saitama 335-8502 (JP).
(74) **KAWAKITA, Kijuro** et al. / etc.; Shinjuku MM Building, 1-15, Shinjuku 5-chome, Shinjuku-ku, Tokyo 160-0022 (JP).
(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19062** (13) A1
(21) PCT/EP98/06229
(22) **1 Oct/oct 1998 (01.10.1998)**
(25) de (26) de
(31) 197 45 120.9 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 27/26, 31/06, C08G 65/10**
(54) ● DOUBLE METAL CYANIDE CATALYSTS CONTAINING POLYESTER FOR PREPARING POLYETHER POLYOLS
● CATALYSEURS DE CYANURE DE METAUX COMPOSITES CONTENANT DES POLYESTERS, UTILISES POUR PREPARER DES POLYOLS DE POLYETHER
(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
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(72, 75) **HOFMANN, Jörg** [DE/DE]; Oldenburger Weg 10, D-47829 Krefeld (DE). **GUPTA, Pramod** [DE/DE]; Langemarckstrasse 27, D-50181 Bedburg (DE). **KÜMPF, Robert-Joseph** [US/DE]; Am Kreuz 24, D-40489 Düsseldorf (DE). **OOMS, Pieter** [NL/DE]; Doerperhofstrasse 16, D-47800 Krefeld (DE). **SCHÄFER, Walter** [DE/DE]; In den Weiden 25, D-42799 Leichlingen (DE).
(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19063** (13) A1
(21) PCT/EP98/06312
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) de (26) de
(31) 197 45 120.9 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
(31) 197 57 574.9 (32) **23 Dec/déc 1997 (23.12.1997)** (33) DE
(31) 198 10 269.0 (32) **10 Mar/mar 1998 (10.03.1998)** (33) DE
(31) 198 34 573.9 (32) **31 Jul/juil 1998 (31.07.1998)** (33) DE
(31) 198 42 382.9 (32) **16 Sep/sep 1998 (16.09.1998)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 27/26, C08G 65/10, B01J 31/06**
(54) ● CRYSTALLINE DOUBLE METAL CYANIDE CATALYSTS FOR PRODUCING POLYETHER POLYOLS
● CATALYSEURS CRISTALLINS DE CYANURE DE METAUX COMPOSITES POUR PREPARER DES POLYOLS DE POLYETHER
(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **HOFMANN, Jörg** [DE/DE]; Oldenburger Weg 10, D-47829 Krefeld (DE). **GUPTA, Pramod** [DE/DE]; Langemarckstrasse 27, D-50181 Bedburg (DE). **KÜMPF, Robert-Joseph** [US/DE]; Am Kreuz 24, D-40489 Düsseldorf (DE). **OOMS, Pieter** [NL/DE]; Doerperhofstrasse 16, D-47800
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- (11) **WO 99/19064** (13) A1
(21) PCT/FR98/02181
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) fr (26) fr
(31) 97/12827 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 31/12**
(54) ● COMPOSITION BASED ON A GRAFTED METAL OXIDE, PREPARATION AND USE IN A POLYMERISATION METHOD BY OPENING OXYGENATED CYCLES
● COMPOSITION CATALYTIQUE A BASE D'UN OXYDE METALLIQUE GREFFE, SA PREPARATION ET SON UTILISATION DANS UN PROCÉDE DE POLYMERISATION PAR OUVERTURE DE CYCLES OXYGENES
(71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F-92408 Courbevoie (FR).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **DELAITE, Christelle** [FR/FR]; 12, montée du Gourguillon, F-69005 Lyon (FR). **HAMAIDE, Thierry** [FR/FR]; Le Belvédère C4, 56, rue de la Convention, F-38200 Vienne (FR). **SPITZ, Roger** [FR/FR]; 30, rue Jean Broquin, F-69006 Lyon (FR). **TORTOSA, Karine** [FR/FR]; 23, Petite rue Pasteur, F-69100 Villeurbanne (FR).
(74) **DUBRUC, Philippe**; Rhodia Services, 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR).
(81) BR CA CN JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19065** (13) A1
(21) PCT/JP98/04639
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/295006 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B01J 35/02, C10G 49/00**
(54) ● CATALYST SUPPORT, CATALYST REACTOR FOR HYDROGENATION REACTION, AND CATALYTIC REACTION METHOD
● SUPPORT DE CATALYSEUR, CATALYSEUR, REACTEUR POUR REACTION D'HYDROGENATION, ET PROCÉDE DE REACTION CATALYTIQUE

- (71) **JAPAN ENERGY CORPORATION** [JP/JP]; 10-1, Toranomom 2-chome, Minato-ku, Tokyo 105-0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KOYAMA, Hiroki** [JP/JP]; Japan Energy Corporation, 17-35, Niizominami 3-chome, Toda-shi, Saitama 335-8502 (JP). **NAKAMURA, Kenji** [JP/JP]; Japan Energy Corporation, 17-35, Niizominami 3-chome, Toda-shi, Saitama 335-8502 (JP). **KAWAGUCHI, Masayuki** [JP/JP]; Japan Energy Corporation, 17-35, Niizominami 3-chome, Toda-shi, Saitama 335-8502 (JP). **MASHIMO, Yasuyuki** [JP/JP]; Japan Energy Corporation, 17-35, Niizominami 3-chome, Toda-shi, Saitama 335-8502 (JP).
- (74) **KAWAKITA, Kijuro** et al. / etc.; Shinjuku MM Building, 1-15, Shinjuku 5-chome, Shinjuku-ku, Tokyo 160-0022 (JP).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19066** (13) A1

(21) PCT/US98/08595

(22) **29 Apr/avr 1998 (29.04.1998)**

(25) en (26) en

(31) 08/948,910 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01J 35/02, 35/06, 35/10, 23/46, H01M 4/92, C23C 14/20, 28/02**

- (54) ● CATALYST FOR MEMBRANE ELECTRODE ASSEMBLY AND METHOD OF MAKING
● CATALYSEUR POUR ENSEMBLE ELECTRODE A MEMBRANE ET PROCEDE DE FABRICATION CORRESPONDANT

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, Saint Paul, MN 55133-3427 (US).

(72) **DEBE, Mark, K.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **HAUGEN, Gregory, M.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **STEINBACH, Andrew, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **THOMAS, John, H., III**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **ZIEGLER, Raymond, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **DAHL, Philip, Y.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19067** (13) A1

(21) PCT/US98/20970

(22) **10 Oct/oct 1998 (10.10.1998)**

(25) en (26) en

(31) 08/948,915 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/035,422 (32) **5 Mar/mar 1998 (05.03.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01L 3/00, G01N 1/00 // C12M 1/12, B01D 61/18**

- (54) ● ALIGNED MULTIWELL MULTIPLATE STACK AND METHOD FOR PROCESSING BIOLOGICAL/CHEMICAL SAMPLES USING THE SAME

● PILE MULTICOUELLES A PLUSIEURS PLAQUES ALIGNEES ET PROCEDE DE TRAITEMENT D'ECHANTILLONS BIOLOGIQUES/CHIMIQUES DE LADITE PILE

(71) **BIOSEPPA, INC.** [US/US]; 111 Locke Drive, Marlborough, MA 01752 (US).

(72) **COFFMAN, Jonathan, L.**; 253 Brookstation Road, Princeton, MA 01541 (US). **WOODS, Ernest, J., III**; 9 Plumby Road, Upton, MA 01568 (US). **LU, Hong**; 20 Williamsburg Court No. 11, Shrewsbury, MA 01545 (US).

(74) **RADIGAN, Kevin, P.** et al. / etc.; Heslin & Rothenberg, P.C., 5 Columbia Circle, Albany, NY 12203 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19068** (13) A1

(21) PCT/US98/21553

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,551 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B01L 3/02**

- (54) ● SUPPORT RACK FOR PIPETTE TIPS
● GRILLE SUPPORT POUR POINTES DE PIPETTES

(71) **POINT PLASTICS INCORPORATED** [US/US]; 1320 Scott Street, Petaluma, CA 94954 (US).

(72) **TAGGART, Thomas**; 4809 Pressley Road, Santa Rosa, CA 95404 (US).

(74) **SIEBERT, J., Suzanne** et al. / etc.; Majestic, Parsons, Siebert & Hsue P.C., Suite 1100, Four Embarcadero Center, San Francisco, CA 94111-4106 (US).

(81) AU CA CH DE ES FI GB JP NO SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19069** (13) A1

(21) PCT/EP98/04793

(22) **31 Jul/juil 1998 (31.07.1998)**

(25) de (26) de

(31) 297 18 019.3 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B02C 18/30**

- (54) ● CHOPPER
● HACHOIR

(71) **TIROMAT KRÄMER + GREBE GMBH & CO. KG** [DE/DE]; Im Ruttert, D-35216 Biedenkopf-Wallau (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **JAKOBI, Norbert** [DE/DE]; An der Sandbrücke 3, D-35216 Biedenkopf-Weifenbach (DE). **ESCHENRÖDER, Willi** [DE/DE]; Reckenbergstrasse 20, D-35216 Biedenkopf-Weifenbach (DE). **BERNHARDT, Jürgen** [DE/DE]; Weidenfeldstrasse 1a, D-35216 Biedenkopf-Weifenbach (DE).

(74) **MISSLING, Arne**; Bismarckstrasse 43, D-35390 Giessen (DE).

(81) BR CA CN CZ EE HU JP KR LT LV MX NO PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19070** (13) A1

(21) PCT/US98/21344

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,491 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B02C 25/00**

- (54) ● PAPER PULP REFINER CONTROL SYSTEM AND METHOD
● SYSTEME DE COMMANDE DE RAFFINEUR DE PATE A PAPIER ET PROCEDE ASSOCIE

(71) **THERMO BLACK CLAWSON INC.** [US/US]; 605 Clark Street, P.O. Box 160, Middletown, OH 45042 (US).

(72) **EGAN, John, J., III**; 1106 Harbour Circle, Centerville, OH 45458 (US). **DEMLER, Christopher, L.**; 230 Dickens Court, Lebanon, OH 45036 (US).

(74) **HENDERSON, Gilbert, N.** et al. / etc.; Biebel & French, 35 East First Street, Dayton, OH 45402 (US).

(81) BR CA CN JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19071** (13) A1

(21) PCT/EP98/06420

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,357 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B03C 1/035, 1/01**

- (54) ● HIGH GRADIENT MAGNETIC DEVICE AND METHOD FOR CELL SEPARATION OR PURIFICATION
● DISPOSITIF MAGNETIQUE A GRADIENT ELEVE ET PROCEDE DE SEPARATION OU DE PURIFICATION DE CELLULES

(71) **NOVARTIS AG** [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).
(for all designated States except / pour tous les États désignés sauf AT US)

(71) **NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH** [AT/AT]; Brunner Strasse 59, A-1235 Vienna (AT).
(only for / seulement pour AT)

(72, 75) **BRIGGS, Donald, David** [US/US]; 1530 Lockhart Gulch Road, Scotts Valley, CA 95066 (US). **JEN, Shang-Chih** [-/US]; 49 Showers

- Drive #V403, Mountain View, CA 94040 (US). **SCHWARTZ, Richard, Merrill** [US/US]; 812 Foothill Drive, San Mateo, CA 94402 (US). **CHARY, Srikanth, Ranga** [US/US]; 5490 Golumbin Common, Fremont, CA 94555 (US).
- (74) **BECKER, Konrad**; Novartis AG, Patent- und Markenabteilung, Lichtstrasse 35, CH-4002 Basel (CH).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19072** (13) A1
(21) PCT/JP98/04596
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) ja (26) ja
(31) 9/282295 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B03C 3/14**
(54) ● DUST-COLLECTING ELEMENT FOR AIR-CLEANING APPARATUS
● ELEMENT COLLECTEUR DE POUSSIERES DESTINE A UN APPAREIL D'EPURATION DE L'AIR
- (71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4-12, Nakazakinishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-0015 (JP).
- (72) **KAKIMOTO, Akihisa**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **NUNOKAWA, Syunichi**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP). **ODA, Yasuhiro**; Kanaoka-kojo, Sakai-seisakusho of Daikin Industries, Ltd., 1304, Kanaoka-cho, Sakai-shi, Osaka 591-8022 (JP).
- (74) **KAMEI, Hirokatsu**; AI Association of Patent and Trademark Attorneys, Jyutakukinyukoko-Sumitomoseimei Building, 12F, 5-20, Minamihommachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 (JP).
- (81) AU CN SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19073** (13) A1
(21) PCT/EP98/06516
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) M197A002329 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B05B 1/32, E04G 21/04, B65G 53/32, 53/42**
(54) ● NOZZLE TO BATCH AND REGULARIZE CONCRETE DELIVERY FROM THE PIPE OF CONCRETE DISTRIBUTION ARMS
● BUSE DE DOSAGE ET DE REGULARISATION DU DEBIT DE BETON A PARTIR DU TUYAU DES BRAS DE DISTRIBUTION DE BETON
- (71) **CIFA S.P.A.** [IT/IT]; Viale Rimembranze, 2, I-20026 Novate Milanese (IT).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MORETTI, Giorgio** [IT/IT]; Via Clerici, I-21040 Gerezano (IT).
- (74) **VATTI, Paolo** et al. / etc.; Fumero Studio Consulenza Brevetti S.n.c., Via S. Agnese, 12, I-20123 Milano (IT).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19074** (13) A1
(21) PCT/US97/18438
(22) **15 Oct/oct 1997 (15.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B05B 5/00, B05D 1/32, 1/36, 3/06, 5/00, B32B 9/00, 31/00**
(54) ● APPARATUS AND METHOD FOR SCREEN PRINTING RADIATION CURABLE COMPOSITIONS
● APPAREIL ET PROCEDE POUR L'IMPRESSION AU CADRE DE COMPOSITIONS SECHANT SOUS RAYONNEMENT
- (71) **REVLON CONSUMER PRODUCTS CORPORATION** [US/US]; 625 Madison Avenue, New York, NY 10022 (US).
- (72) **KAMEN, Melvin, E.**; 160 Portland Road, Highlands, NJ 07732 (US).
- (74) **FLINTOFT, Gerald, J.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).
- (81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH HU ID IL IS JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
- (72) **DEMAREST, Scott, W.**; 7607 West River Road, Caledonia, WI 53108 (US). **CRAPSER, James, R.**; 8530 Northwestern Avenue, Caledonia, WI 53406 (US). **MILLER, Allen, D.**; 6008 Independence Road, Racine, WI 53406 (US). **CORBA, Robert, E.**; 4636 Stonebridge Drive, Caledonia, WI 53404 (US). **DANC'S, Imre, J.**; 12055 W. Crawford Court, Greenfield, WI 53228 (US). **HOUSER, David, J.**; 3050 Michigan Boulevard, Racine, WI 53402 (US).
- (74) **HOUSER, David, J.** et al. / etc.; S.C. Johnson & Son, Inc., Patent Section, 1525 Howe Street, Racine, WI 53403 (US).
- (81) AU BR CA CN CZ HU ID IL JP KR MX NO NZ PL RO RU SG SK UA VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19076** (13) A1
(21) PCT/GB98/03052
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 9721618.8 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB
(31) 9806153.4 (32) **24 Mar/mar 1998 (24.03.1998)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B05B 15/04**
(54) ● APPLYING PAINT TO METALLIC SURFACES
● APPLICATION DE PEINTURE SUR DES SURFACES METALLIQUES
- (71) **BAKER, Michael** [GB/GB]; 21 Linden Court, Hunts Pond Road, Park Gate, Southampton SO31 6AZ (GB).
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- (71, 72) **GILL, David, George** [GB/GB]; Flat No. 1, 7 Denewood Road, Westbourne, Bournemouth BH4 8EB (GB).
- (74) **BARKER BRETTELL**; Medina Chambers, Town Quay, Southampton SO14 2AQ (GB).
- (81) GB JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19077** (13) A1
(21) PCT/IB98/01608
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) B097A000610 (32) **14 Oct/oct 1997 (14.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B05C 1/08, A24C 5/47, B05C 1/16**
(54) ● A GUMMING DEVICE
● DISPOSITIF DE GOMMAGE
- (71) **G.D S.P.A.** [IT/IT]; Via Pomponia, 10, I-40133 Bologna (IT).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GHERARDI, Gian, Luigi** [IT/IT]; Via Carducci, 45/A, I-40059 Medicina (IT). **DRA-GHETTI, Fiorenzo** [IT/IT]; Via San Donino, 506, I-40059 Medicina (IT).
- (74) **BIANCIARDI, Ezio**; Bugnion S.p.A., Via dei Mille, 19, I-40121 Bologna (IT).

(81) BR CN CZ JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19078** (13) A1

(21) PCT/US97/18246

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05C 5/00, B05D 1/12, 1/28, 5/00**

(54) ● MEDIA DEPOSITING SYSTEM AND METHOD
● SYSTEME ET PROCEDE DE DEPOT DE MATERIAUX

(71) **ENVIRONMENTAL REPROCESSING, INC.** [US/US]; 50 Pine Road, Brentwood, NH 03833 (US).

(72) **BOCKH, Mat**; Unit 40, 170 Belknap Point Road, Gilford, NH 03246 (US). **ZICKELL, Thomas, J.**; 107 Tidewater Farms Road, Stratham, NH 03885 (US). **DIMAN, Charles**; 5 Porter Street, Billerica, MA 01821 (US). **MAHONEY, Stephen**; 214 Erie Street, Cambridge, MA 02139 (US).

(74) **BOURQUE, Daniel, J.** et al. / etc.; Law Offices of Daniel J. Bourque, P.A., Suite 303, 835 Hanover Street, Manchester, NH 03104 (US).

(81) CA JP; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19079** (13) A1

(21) PCT/EP98/06260

(22) **1 Oct/oct 1998 (01.10.1998)**

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(31) 197 44 746.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05C 17/005**

(54) ● DEVICE FOR STORING, PRESSING OUT AND DOSING TWO-COMPONENT COMPOUNDS
● DISPOSITIF POUR STOCKER, EXPRIMER ET DOSER DES COMPOSITIONS A DEUX COMPOSANTS

(71) **HENKEL TEROSON GMBH** [DE/DE]; Hans-Bunte-Strasse 4, D-69123 Heidelberg (DE).

(72) **HIRTHAMMER, Michael**; Scheffelweg 1, D-69251 Gaiberg (DE). **LUBCZYK, Frank**; Königsberger Strasse 1, D-30938 Burgwedel (DE). **STEGE, Michael**; Süstrasse 11, D-38446 Wolfsburg (DE).

(74) **HASE, Christian**; Henkel KGaA, Patente (VTP), D-40191 Düsseldorf (DE).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19080** (13) A1

(21) PCT/US98/21175

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,733 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 1/02, 3/02**

(54) ● METHOD AND COMPOSITIONS FOR PROTECTING CIVIL INFRASTRUCTURE
● PROCEDES ET COMPOSITIONS DESTINES A PROTEGER DES INFRASTRUCTURES CIVILES

(71) **NORTH CAROLINA STATE UNIVERSITY** [US/US]; 1 Holliday Hall, Campus Box 7003, Raleigh, NC 27695-7003 (US). **THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL** [US/US]; 308 Bynum Hall, Campus Box 4105, Chapel Hill, NC 27599-4105 (US).
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(72, 75) **CARBONELL, Ruben, G.** [US/US]; 6105 Godfrey Drive, Raleigh, NC 27612 (US). **DeSIMONE, Joseph, M.** [FR/US]; 7315 Crescent Ridge Drive, Chapel Hill, NC 27516 (US). **HENON, Florence, E.** [FR/US]; 2306D Stafford Avenue, Raleigh, NC 27607 (US).

(74) **SIBLEY, Kenneth, D.** et al. / etc.; Myers, Bigel, Sibley & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19081** (13) A1

(21) PCT/US98/21382

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,028 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 1/02, D21H 23/50, D06M 23/10**

(54) ● SPRAY APPLICATION OF AN ADDITIVE COMPOSITION TO SHEET MATERIALS
● PULVERISATION D'UNE COMPOSITION D'ADDITION SUR DES MATIERES EN FEUILLES

(71) **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION** [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NIELSEN, Kenneth, Andrew** [-/US]; 108 Stratford Place, Charleston, WV 25303 (US). **GOAD, Jeffrey, Dale** [-/US]; 1275 Blake Street, Barboursville, WV 25504 (US). **BAUMERT, Duane, Francis** [-/US]; 38 Huntington Road, Newtown, CT 06470 (US). **CESARETTI, Richard, Scott** [-/US]; 79 Chestnut Ridge, Kenna, WV 25248 (US).

(74) **WIGGINS, Karen, Johnson**; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).

(81) AU BR CA CN CZ HU ID JP KR MX NO SG SK US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19082** (13) A1

(21) PCT/US98/21362

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,168 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 1/36, 5/12, H01G 4/06, 7/00, A61F 7/00**

(54) ● METHOD FOR REDUCTION OF SINTER TEMPERATURES OF ANTIFERROELECTRIC, LEAD-BASED CERAMICS BY USE OF LITHIUM COMPOUND ADDITIONS
● PROCEDE DE REDUCTION DES TEMPERATURES DE FRITTAGE DE CERAMIQUES ANTIFERROELECTRIQUES A BASE DE PLOMB PAR AJOUT D'UN COMPOSE DE LITHIUM

(71) **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802 (US).

(72) **JANG, Sei-Joo**; 220 Camelot Lane, State College, PA 16803 (US). **DOUGHERTY, Joseph, P.**; 524 E. Irvin Avenue, State College, PA 16801 (US). **HACKENBERGER, Wesley**; 104 Gerald Street, State College, PA 16801 (US). **SONG, MingFang**; 10 Vairo Boulevard, State College, PA 16803 (US). **PERINI, Steven**; 200 High Street, State College, PA 16801 (US). **JONES, Beth**; 208 W. Nittany Avenue, State College, PA 16802 (US).

(74) **MONAHAN, Thomas, J.**; The Pennsylvania State University, Intellectual Property Office, 113 Technology Center, University Park, PA 16802 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19083** (13) A1

(21) PCT/US98/20933

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/062,095 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 3/02, 3/00, 1/18, C08J 3/28, 51/00, C23C 22/00, 22/07**

(54) ● COMPOSITION AND PROCESS FOR MULTI-PURPOSE TREATMENT OF METAL SURFACES
● COMPOSITION ET PROCEDE DE TRAITEMENT POLYVALENT DE SURFACES METALLIQUES

(71) **HENKEL CORPORATION** [US/US]; Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOODREAU, Bruce, H.** [US/US]; 11455 35 Mile Road, Romeo, MI 48065 (US). **PRESCOTT, Thomas, J.** [US/US]; 1601 Brentwood, Troy, MI 48098 (US).

(74) **WISDOM, Norvell, E.**; Henkel Corporation, Suite 200, 2500 Renaissance Boulevard, Gulph Mills, PA 19406 (US).

(81) BR CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19084** (13) A1

(21) PCT/US98/21797

- (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/063,349 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B05D 3/02, 5/06, B32B 9/00, 9/04, 13/12, 17/06**
 (54) ● TRANSPARENT SUBSTRATE BEARING AN ANTI-STAIN, HYDROPHOBIC COATING, AND PROCESS FOR MAKING IT
 ● SUBSTRAT TRANSPARENT PORTANT UNE COUCHE HYDROPHOBE ANTI-TACHE ET SON PROCEDE DE PRODUCTION
 (71) **YAZAKI CORPORATION** [JP/JP]; 17th floor, Mita-Kokusai Building, 4-28, 1-chome, Mita, Minato-ku, Tokyo (JP).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **YAN, Yongan** [CN/US]; 2520 Rutland Place, Thousand Oaks, CA 91362 (US). **CHEN, Din-Guo** [-/US]; 356 Countryside Road, Agoura, CA 91301 (US).
 (74) **BRUEGGEMANN, James, R.**; Sheppard, Mullin, Richter & Hampton LLP, 48th floor, 333 South Hope Street, Los Angeles, CA 90071 (US).
 (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19085** (13) A1

(21) PCT/US98/21751

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,332 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 7/00**

- (54) ● SUPERCRITICAL FLUID AIDED COATING OF PARTICULATE MATERIAL
 ● REVETEMENT DE MATIERE PARTICULAIRE A L'AIDE D'UN FLUIDE SUPERCRITIQUE

(71) **UNIVERSITY OF SOUTH FLORIDA** [US/US]; 4202 East Fowler Avenue, FAO-126, Tampa, FL 33620-7900 (US).
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(72, 75) **SUNOL, Aydin, K.** [TR/US]; 15406 Morning Drive, Tampa, FL 33620 (US).

(74) **KOHN, Kenneth, I.** et al. / etc.; Kohn & Associates, Suite 410, 30500 Northwestern Highway, Farmington Hills, MI 48334 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19086** (13) A1

(21) PCT/GB98/03091

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 9721650.1 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B05D 7/14, 3/10, 7/00, C25D 11/18**

- (54) ● COATED ALUMINIUM WORKPIECE
 ● PIECE D'ALUMINIUM A REVETEMENT

(71) **ALCAN INTERNATIONAL LIMITED** [CA/CA]; 1188 Sherbrooke Street West, Montreal, Québec H3A 3G2 (CA).
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(72, 75) **BARLOW, Eric** [GB/GB]; 1 Deers Close, Bodicote, Banbury, Oxfordshire OX15 4EA (GB). **FOSTER, Mark** [GB/GB]; 13 Blenheim Road, Banbury, Oxfordshire OX16 9TQ (GB). **PARGETER, Chris** [GB/GB]; 27 Beaulieu Close, Banbury, Oxfordshire OX16 8FG (GB). **LIMBACH, Peter, Karl, Ferdinand** [DE/DE]; Zum Hohen Brunnen 21, D-37075 Göttingen (DE).

(74) **PENNANT, Pyers** et al. / etc.; Stevens Hewlett & Perkins, 1 Serjeants' Inn, Fleet Street, London, Greater London EC4Y 1LL (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19087** (13) A1

(21) PCT/EP97/05710

(22) **10 Oct/oct 1997 (10.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B08B 3/02, 9/02**

- (54) ● PROCESS FOR REMOVING A PLASTIC COATING FROM METAL PRODUCTS
 ● PROCEDE SERVANT A ENLEVER UN REVETEMENT PLASTIQUE DE PRODUITS METALLIQUES

(71) **NORSK HYDRO ASA** [NO/NO]; Bygdoy Alle 2, N-0240 Oslo (NO).
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(72, 75) **HEDEDAM, Ove** [DK/DK]; Kongensgade 12, DK-5000 Odense C (DK). **BRAUNER, Hans** [DK/DK]; Bøgebjergvej 10, DK-8600 Silkeborg (DK).

(74) **BLEUKX, Luc**; Hydro S.A., Avenue Marcel Thiry 83, B-1200 Brussels (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19088** (13) A1

(21) PCT/US98/21524

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,939 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B08B 7/00, A47L 13/14, 13/146**

- (54) ● SELF-WRINGER ABSORBENT DEVICE OPERABLE WITH ONE HAND
 ● DISPOSITIF ABSORBANT AUTO-ADHESIF POUVANT ETRE MANIPULE D'UNE SEULE MAIN

(71) **NEFF, Thomas, Joseph** [US/US]; 363 Grandview, Novato, CA 94945 (US).

(71, 72) **WILLS, Harry, Allen** [US/US]; 824 Albatross, Novato, CA 94945 (US).

(74) **LO, Jack**; 1415 Eddington Lane, Daly City, CA 94014 (US).

(81) AU BR CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19089** (13) A1

(21) PCT/JP98/04571

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) ja (26) ja

(31) 9/278647 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B21B 19/04**

- (54) ● PIERCING MILL

- LAMINOIR PERCEUR

(71) **SUMITOMO METAL INDUSTRIES, LTD.** [JP/JP]; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOTO, Hisao** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP). **YOKOI, Yoichi** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).

(74) **MORI, Michio** et al. / etc.; Honoue Patent Office, Sumitomoseimei-Amagasaki Building, 17-23, Higashinaniwa-cho 5-chome, Amagasaki-shi, Hyogo 660-0892 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19090** (13) A1

(21) PCT/JP98/04572

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) ja (26) ja

(31) 9/278904 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B21B 19/04**

- (54) ● PIERCING MILL AND METHOD OF CHANGING CANNON
 ● LAMINOIR PERCEUR ET PROCEDE DE CHANGEMENT DE CANON

(71) **SUMITOMO METAL INDUSTRIES, LTD.** [JP/JP]; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOTO, Hisao** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).

- NAKAMURA, Masaomi** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).
- (74) **MORI, Michio** et al. / etc.; Honoue Patent Office, Sumitomoseimei-Amagasaki Building, 17-23, Higashinaniwa-cho 5-chome, Amagasaki-shi, Hyogo 660-0892 (JP).
- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19091** (13) A1
(21) PCT/JP98/04627
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/280089 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21B 19/04, 31/08**
(54) ● APPARATUS AND METHOD FOR CHANGING DISC ROLL OF VERTICAL PIERCING MILL
● APPAREIL ET PROCEDE DE CHANGEMENT D'UN CYLINDRE DISQUE D'UN LAMINOIR PERCEUR VERTICAL
(71) **SUMITOMO METAL INDUSTRIES, LTD.** [JP/JP]; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **GOTO, Hisao** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850 Minato, Wakayama-shi, Wakayama 640-8555 (JP).
NAKAMURA, Masaomi [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850 Minato, Wakayama-shi, Wakayama 640-8555 (JP).
- (74) **MORI, Michio** et al. / etc.; Honoue Patent Office, Sumitomoseimei-Amagasaki Building, 17-23, Higashinaniwa-cho 5-chome, Amagasaki-shi, Hyogo 660-0892 (JP).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19092** (13) A1
(21) PCT/JP98/04628
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/281509 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21B 19/04, 31/08**
(54) ● APPARATUS AND METHOD FOR CHANGING PIERCER ROLL OF VERTICAL PIERCING MILL
● APPAREIL ET PROCEDE DE CHANGEMENT DU CYLINDRE PERCEUR D'UN LAMINOIR PERCEUR VERTICAL
(71) **SUMITOMO METAL INDUSTRIES, LTD.** [JP/JP]; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **GOTO, Hisao** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).
NAKAMURA, Masaomi [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).
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- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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(21) PCT/JP98/04630
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/280020 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21B 19/04**
(54) ● PIERCING MILL
● LAMINOIR PERCEUR
(71) **SUMITOMO METAL INDUSTRIES, LTD.** [JP/JP]; 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **GOTO, Hisao** [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).
YOKOI, Yoichi [JP/JP]; Sumitomo Metal Industries, Ltd., Wakayama Steel Works, 1850, Minato, Wakayama-shi, Wakayama 640-8555 (JP).
- (74) **MORI, Michio** et al. / etc.; Honoue Patent Office, Sumitomoseimei-Amagasaki Building, 17-23, Higashinaniwa-cho 5-chome, Amagasaki-shi, Hyogo 660-0892 (JP).
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(21) PCT/IB98/01556
(22) **7 Oct/oct 1998 (07.10.1998)**
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(31) 9703699-0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
(31) 08/948,953 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21C 47/18**
(54) ● APPARATUS FOR UNWINDING A STRIP FROM A COIL
● APPAREIL PERMETTANT DE DEROULER UNE BANDE A PARTIR D'UNE BOBINE
(71) **SPIRO INTERNATIONAL S.A.** [CH/CH]; Chemin des Primevères 45, CH-1701 Fribourg (CH).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **LINDSØ, Svein, Arne** [NO/NO]; Ametystvn. 20B, N-2800 Gjøvik (NO). **OTTESEN, Bjørn** [NO/NO]; Solbakken 9, N-2800 Gjøvik (NO).
- (74) **ROSTOVANYI, Peter**; Awapatent AB, P.O. Box 5117, S-200 71 Malmö (SE).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KR KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19095** (13) A2
(21) PCT/EP98/06534
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) de (26) de
(31) 197 45 274.4 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21D**
(54) ● GEAR FOR SYSTEMS USED TO CONVEY PEOPLE
● ENGRENAGE POUR INSTALLATIONS DE TRANSPORT DE PERSONNES
(71, 72) **TREUGUT, Andreas** [DE/DE]; Falterstrasse 4, D-91227 Leinburg (DE). **MILITZER, Otto, Michael** [DE/DE]; Wäldershausen 3, D-35315 Homberg (DE).
- (74) **TREUGUT, Andreas**; Ing.-Büro A. Treugut, Albertstrasse 39, D-91207 Lauf (DE).
- (81) EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19096** (13) A1
(21) PCT/DE98/02975
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) de (26) de
(31) 197 45 505.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21J 7/28, 7/14**
(54) ● HYDRAULIC DRIVE SYSTEM FOR FORGING PRESS OR FORGING MACHINE SLIDES
● SYSTEME D'ENTRAINEMENT HYDRAULIQUE POUR PRESSE A FORGER OU COULISSEAUX DE MACHINE A FORGER
(71) **SMS EUMUCO GMBH** [DE/DE]; Josefstrasse 10, D-51377 Leverkusen (DE).
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(72, 75) **HERNDL, Otto** [DE/DE]; Scheurenerstrasse 171, D-51519 Odenthal (DE). **ECK, Albert** [DE/DE]; Ringstrasse 23, D-51688 Wipperfürth (DE). **VOLKSHEIMER, Dieter** [DE/DE]; Jakob-Kaiser-Strasse 19, D-51375 Leverkusen (DE).
- (74) **HEMMERICH-MÜLLER & KOLLEGEN**; Eduard-Schloemann-Strasse 55, D-40237 Düsseldorf (DE).
- (81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19097** (13) A1
(21) PCT/GB98/02983
(22) **5 Oct/oct 1998 (05.10.1998)**
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(31) 9721538.8 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B21J 15/04, 15/06, F16B 19/10**
(54) ● BLIND RIVETING
● RIVETAGE AVEUGLE

(71) **TEXTRON FASTENING SYSTEMS LIMITED** [GB/GB]; Mundells, Welwyn Garden City, Hertfordshire AL7 1EZ (GB).
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(72, 75) **DENHAM, Keith** [GB/GB]; 6 Old Forge Close, Welwyn Garden City, Hertfordshire AL7 1SR (GB).

(74) **COATES, Ian, Harold**; Sommerville & Rushton, 45 Grosvenor Road, St. Albans, Hertfordshire AL1 3AW (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19098** (13) A1

(21) PCT/DE98/02763

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) de (26) de

(31) 197 46 728.8 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B22D 11/06**

(54) ● METHOD AND CASTING NOZZLE FOR CASTING-ON A METAL STRIP WHICH IS CLOSE TO FINAL DIMENSIONS

● PROCEDE ET TUYERE DE COULEE POUR LA COULEE D'UNE BANDE METALLIQUE AUX DIMENSIONS VOISINES DES DIMENSIONS FINALES

(71) **MANNESMANN AG** [DE/DE]; Mannesmannufer 2, D-40213 Düsseldorf (DE). **SALZGITTER AG** [DE/DE]; Eisenhüttenstrasse 99, D-38239 Salzgitter (DE).
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(72, 75) **URLAU, Ulrich** [DE/DE]; Am Feldrain 2, D-47445 Moers (DE). **KROOS, Joachim** [DE/DE]; Schunterweg 7, D-38527 Meine (DE). **SCHOLZ, Reinhard** [DE/DE]; Im Oberfeld 33, D-38678 Clausthal-Zellerfeld (DE). **SPITZER, Karl-Heinz** [DE/DE]; Stettinger Strasse 2, D-38678 Clausthal-Zellerfeld (DE).

(74) **MEISSNER, Peter, E.** et al. / etc.; Hohenzollern-damm 89, D-14199 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19099** (13) A1

(21) PCT/SE98/01812

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) sv (26) en

(31) 9703709-7 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B22D 17/00, B29C 45/00 // B22D 27/09**

(54) ● A METHOD AND A DEVICE FOR MOLDING OBJECTS

● PROCEDE ET DISPOSITIF DE MOULAGE D'OBJETS

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 28 Västerås (SE).
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(72, 75) **BERGMAN, Carl** [SE/SE]; Högby Skogsväg 8, S-723 41 Västerås (SE).

(74) **BJERKÉN, Håkan** et al. / etc.; Bjerkéns Patentbyrå KB, P.O. Box 1274, S-801 37 Gävle (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19100** (13) A1

(21) PCT/FR98/02166

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) fr (26) fr

(31) 97/12660 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B22D 25/02, 19/00**

(54) ● METHOD AND CORE FOR PRODUCING BY MOULDING PROCESS AN INTERNAL COMBUSTION ENGINE CYLINDER HEAD

● PROCEDE ET NOYAU POUR LA REALISATION PAR MOULAGE D'UNE CULASSE DE MOTEUR A COMBUSTION INTERNE

(71) **RENAULT** [FR/FR]; 34, quai du Point du Jour, F-92109 Boulogne Billancourt (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUDLOT, François** [FR/FR]; 41, Boulevard Henri Barbusse, F-91270 Vigneux (FR). **GALLARD, Patrick** [FR/FR]; 8, rue de la Rose-raie, F-92360 Meudon la Forêt (FR). **LE NEZET, André** [FR/FR]; 2, square des Sablons, F-78160 Marly le Roi (FR).

(74) **BOURRIERES, Patrice**; Renault, Sce 0267 - TPZ - OJ2 - 1 10, 860, quai de Stalingrad, F-92109 Boulogne Billancourt (FR).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19101** (13) A1

(21) PCT/US98/21725

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,965 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B22F 3/14, C04B 35/645**

(54) ● SYSTEM AND METHOD FOR CONSOLIDATING POWDERS

● SYSTEME ET UN PROCEDE DE SOLIDIFICATION DE POWDRES

(71) **IAP RESEARCH, INC.** [US/US]; 2763 Culver Avenue, Dayton, OH 45429-3723 (US).

(72) **BAUER, David, P.**; 2461 Washington Mill Road, Xenia, OH 45385 (US). **NEWMAN, Duane, C.**; 2450 Cherokee Drive, London, OH 43140 (US).

(74) **JENKINS, Matthew, R.** et al. / etc.; Jacox, Meckstroth & Jenkins, 2310 Far Hills Building, Dayton, OH 45419-1575 (US).

(81) CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(21) PCT/US98/21852

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(31) 60/061,962 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B22F 9/08, 3/16, C22C 29/00**

(54) ● SPUTTER TARGETS AND METHODS OF MAKING SAME

● CIBLES DE PULVERISATION ET LEURS PROCEDES DE PRODUCTION

(71) **TOSOH SMD, INC.** [US/US]; 3600 Gantz Road, Grove City, OH 43123-1895 (US).
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(72, 75) **IVANOV, Eugene, Y.** [US/US]; 3198 Windsor Place, Grove City, OH 43123-1895 (US).

(74) **PEACOCK, Bruce, E.** et al. / etc.; Biebel & French, 35 East First Street, Dayton, OH 45402 (US).

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(11) **WO 99/19103** (13) A1

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(22) **13 Mar/mar 1998 (13.03.1998)**

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(31) P 97 01629 (32) **10 Oct/oct 1997 (10.10.1997)** (33) HU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B23B 31/16, 31/14**

(54) ● CHUCK WITH AUTOMATICALLY ADJUSTED JAWS AND COMPENSATION OF CENTRIFUGAL FORCE

● MANDRIN A REGLAGE AUTOMATIQUE DES MACHOIRES ET COMPENSATION DE LA FORCE CENTRIFUGE

(71, 72) **TAJNAFŐL, József** [HU/HU]; Nagyvárad u. 10, H-3508 Miskolc (HU). **GAÁL, József** [HU/HU]; Reyiczki u. 16, H-6000 Kecskemét (HU). **KERTÉSZ, József** [HU/HU]; Lunkányi J. u. 20, H-6000 Kecskemét (HU).

(74) **DANUBIA**; P.O. Box 198, H-1368 Budapest (HU).

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(11) **WO 99/19104** (13) A1
 (21) PCT/SE98/01810
 (22) **8 Oct/oct 1998 (08.10.1998)**
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 (31) 9703747-7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23C 5/24**
 (54) ● MILLING TOOL
 ● FRAISE DE RAINURAGE
 (71) **SANDVIK AB** [SE/SE]; S-811 81 Sandviken (SE).

(72) **QVARTH, Ingemar**; Häcklingevägen 52, S-811 91 Valbo (SE). **ENQUIST, Lars-Erik**; Tallbacksvägen 11A, S-811 41 Sandviken (SE).
 (74) **JOHANSSON, Lars**; Lars Johansson Patentbyrå AB, Box 68, S-801 02 Gävle (SE).
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(11) **WO 99/19105** (13) A1
 (21) PCT/SE98/01811
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 (31) 9703746-9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23C 5/24, B23B 29/06**
 (54) ● MILLING TOOL
 ● FRAISE DE RAINURAGE
 (71) **SANDVIK AB** [SE/SE]; S-811 81 Sandviken (SE).

(72) **QVARTH, Ingemar**; Häcklingevägen 52, S-811 91 Valbo (SE). **ENQUIST, Lars-Erik**; Tallbacksvägen 11A, S-811 41 Sandviken (SE).
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(11) **WO 99/19106** (13) A1
 (21) PCT/SE98/01838
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 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23K 1/00, 1/002, 1/06**
 (54) ● METHOD AND DEVICE FOR JOINING PARTS OF ALUMINIUM OR ALUMINIUM ALLOYS
 ● PROCEDE ET DISPOSITIF PERMETTANT D'ASSEMBLER DES PIECES EN ALUMINIUM OU EN ALLIAGE D'ALUMINIUM

(71, 72) **BERKOWICZ, Peter** [SE/SE]; Ånestadsgatan 137, S-603 07 Norrköping (SE).
 (74) **ARWIDI, Bengt**; Ahlpatent AB, Förborgsgatan 27, S-554 39 Jönköping (SE).

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 (31) 197 45 131.4 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23K 20/10, H01L 21/607**

(54) ● QUALITY CONTROL METHOD
 ● PROCEDE DE CONTROLE DE LA QUALITE
 (71) **HESSE & KNIPPS GMBH** [DE/DE]; Vattmannstrasse 6, D-33100 Paderborn (DE).
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 (72, 75) **HESSE, Hans, Jürgen** [DE/DE]; Heckhofweg 21, D-33106 Paderborn (DE). **HOLTGREWE, Dietmar** [DE/DE]; Scharmeder Strasse 90, D-33106 Paderborn (DE).

(74) **LIPPERT, STACHOW, SCHMIDT & PARTNER**; Postfach 19 24 38, D-01282 Dresden (DE).

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 (31) 197 45 280.9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23K 26/06**

(54) ● FINE AND MICRO-MACHINING PROCESS FOR WORKPIECES BY MEANS OF LASER BEAMS
 ● PROCEDE POUR L'USINAGE DE PRECISION ET LE MICRO-USINAGE DE PIECES AU MOYEN DE FAISCEAUX LASER ET DISPOSITIF POUR METTRE EN OEUVRE LEDIT PROCEDE

(71) **DAIMLER-BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D-70567 Stuttgart (DE).
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(72, 75) **GIERING, Axel** [DE/DE]; Tiefenbachstrasse 95, D-70329 Stuttgart (DE). **LINDEN, Peter** [DE/DE]; Robert-Bosch-Strasse 14, D-89179 Beimerstetten (DE). **BECK, Markus** [DE/DE]; Johannes-Mynsinger-Weg 11, D-89075 Ulm (DE). **BAHNMÜLLER, Jochen** [DE/DE]; Kirchheimerstrasse 90, D-73240 Wendlingen (DE).

(74) **EINSELE, Rolf**; Daimler-Benz Aktiengesellschaft, Intellectual Property Management, Gebäude 17, Sedanstrasse 10, D-89077 Ulm (DE).

(81) CH GB JP US.

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 (21) PCT/AT98/00238
 (22) **9 Oct/oct 1998 (09.10.1998)**
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 (31) A 1739/97 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AT
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23K 26/08, C23F 1/00, B27N 3/24, B44C 3/00, C21D 9/50**

(54) ● CONTINUOUS STEEL STRIP FOR TWIN PRESSES AND METHOD FOR PRODUCING THE SAME
 ● BANDE EN ACIER SANS FIN POUR PRESSES A DOUBLE BANDE ET SON PROCEDE DE PRODUCTION

(71) **BERNDORF BAND GES.MBH & CO. KG** [AT/AT]; Leobersdorfer Strasse 26, A-2560 Berndorf (AT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STADLER, Otto** [AT/AT]; Rosental 26, A-2560 Hernstein (AT). **SCHÜSTER, Roland** [AT/AT]; Morgenrot 3/8/10, A-2560 Berndorf (AT).

(74) **WIDTMANN, Georg**; Clusiusgasse 2/8, A-1090 Wien (AT).

(81) JP SI US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19110** (13) A2
 (21) PCT/US98/21290
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 60/061,573 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B23P**

(54) ● APPARATUS AND METHOD FOR TRAY VALVE ATTACHMENT
 ● DISPOSITIF ET PROCEDE POUR L'ASSEMBLAGE D'UNE VALVE ET D'UN PLATEAU

(71) **AMT INTERNATIONAL, INC.** [US/US]; Suite 1100, 100 North Central Expressway, Richardson, TX 75080 (US).

(72) **PAN, Guo-Chang**; Tsinghua University, Beijing (CN). **CHUANG, Karl, T.**; 8742 - 117th Street, Edmonton, Alberta T6G 1R5 (CA).

(74) **CHEN, Spencer, S.**; AMT Intl., Suite 1100, 100 N. Central Expressway, Richardson, TX 75080 (US).

(81) CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19111** (13) A1
 (21) PCT/US98/21474
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/951,116 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B23P 19/00**

- (54) ● TRUSS ASSEMBLY APPARATUS WITH INDEPENDENT ROLLER DRIVE
● DISPOSITIF D'ASSEMBLAGE DE FERMES AVEC GUIDES DE ROULEAUX INDEPENDANTS

(71) **MITEK HOLDINGS, INC.** [US/US]; Suite 1704, 300 Delaware Avenue, Wilmington, DE 19801-1612 (US).

(72) **HAASE, Christopher, L.;** 209 Prairie Valley Court, Elburn, IL 60119 (US).

(74) **BEULICK, John, S.** et al. / etc.; Armstrong, Teasdale, Schlafly & Davis, Suite 2600, One Metropolitan Square, St. Louis, MO 63102-2740 (US).

(81) DK FI NO.

(11) **WO 99/19112** (13) A1

(21) PCT/FR98/02152

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) fr (26) fr

(31) 97/12821 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B23Q 3/154**

- (54) ● DEVICE FOR STRAINING A PART MADE OF NON-MAGNETIC SHEET
● DISPOSITIF DE BRIDAGE D'UNE PIECE EN FEUILLE AMAGNETIQUE

(71) **RENAULT AUTOMATION** [FR/FR]; 34, rue du Point du Jour, F-92109 Boulogne Billancourt (FR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **THURIER, Yvan** [FR/FR]; 6, rue des Charmes, F-94320 Thiais (FR).

(74) **ROBERT, Jean-Pierre** et al. / etc.; Cabinet Boettcher, 22, rue du Général Foy, F-75008 Paris (FR).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19113** (13) A1

(21) PCT/GB98/03062

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9721449.8 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B24B 5/24, 5/307**

- (54) ● CENTERLESS GRINDER
● RECTIFIEUSE SANS CENTRES

(71) **DOUGLAS CURTIS LIMITED** [GB/GB]; The New Forge, Station Road, Arleigh, Colchester (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **WALLIS, John, Philip** [GB/GB]; The Cottage, Church Street, Newnham, Daventry NN11 3ET (GB).

(74) **CHETTLE, Adrian, John;** Withers & Rogers, 4 Dyer's Buildings, Holborn, London EC1N 2QP (GB).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19114** (13) A1

(21) PCT/GB98/03030

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721511.5 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B24B 5/30, 47/22, 49/10 // G21C 3/58**

- (54) ● APPARATUS FOR MACHINING WORKPIECES
● APPAREIL POUR USINER DES PIECES

(71) **BRITISH NUCLEAR FUELS PLC** [GB/GB]; Risley, Warrington, Cheshire WA3 6AS (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **GLENVILLE, Reginald, Paul** [GB/GB]; BNFL Springfields Works, Salwick, Preston PR4 0XJ (GB).

(74) **COWKING, Harry;** British Nuclear Fuels plc, IP & Patents Dept., Hinton House, Risley, Warrington, Cheshire WA3 6AS (GB).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19115** (13) A1

(21) PCT/SE98/01662

(22) **16 Sep/sep 1998 (16.09.1998)**

(25) sv (26) en

(31) 9703721-2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B24B 11/02**

- (54) ● METHOD AND MEANS FOR GRINDING BALLS OF CERAMICS OR OTHER HARD MATERIALS TO SPHERICAL SHAPE
● PROCEDE ET DISPOSITIF PERMETTANT DE DONNER A DES BOULES EN CERAMIQUE OU AUTRES MATERIAUX DURS UNE FORME SPHERIQUE

(71, 72) **AXÉN, Niklas** [SE/SE]; Sätarna, S-740 21 Järlåsa (SE).

(74) **ANDERSSON, Carlåke** et al. / etc.; Dr. Ludwig Brann Patentbyrå AB, P.O. Box 1344, S-751 43 Uppsala (SE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19116** (13) A1

(21) PCT/US98/20048

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 9721494.4 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B24D 18/00, 11/00, 11/02, 3/00, 3/06**

- (54) ● ABRASIVE ARTICLES AND THEIR PREPARATIONS
● ARTICLES ABRASIFS ET LEURS PREPARATIONS

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, Saint Paul, MN 55133-3427 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **OMAR, Mohamed, N., A.** [DE/DE]; Grillparzerweg 20, D-41469 Neuss (DE). **SCHANK-WEILER, Heinz-Werner** [DE/DE]; Daimlersstrasse 311, D-41462 Neuss (DE). **BURGESS, Robert, M.** [GB/GB]; 6 Clayhill Mount, Goudhurst, Kent TN17 1BG (GB).

(74) **BARDELL, Scott, A.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) CA JP KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19117** (13) A2

(21) PCT/US98/15865

(22) **30 Jul/juil 1998 (30.07.1998)**

(25) en (26) en

(31) 08/947,505 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B25B**

- (54) ● ROOF BOLT BIT
● FORET A BOULON D'ANCRAGE

(71, 72) **BRIESE, Leonard, Arden** [US/US]; No. "D", 1400 240th Street, Harbor City, CA 90710 (US).

(74) **FINKELSTEIN, Don, B.;** Law Offices of Don Finkelstein, Suite 216, 3858 Carson Street, Torrance, CA 90503 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19118** (13) A1

(21) PCT/US98/19956

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 08/947,961 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B25B 13/50, 13/02**

- (54) ● MULTIPLE PURPOSE TOOL
● OUTIL POLYVALENT

(71) **IDEAS FOR AMERICAN MANUFACTURERS, INC.** [US/US]; 31 Albany Avenue, Kingston, NY 12401-2902 (US).

(72) **WHITE, Andrew, C., Sr.;** 771 Lincoln Park Place, Kingston, NY 12401 (US). **RAPOPORT, Mitchell, I.;** MacDaniel Road, Woodstock, NY 12498 (US). **BECKER, Gregory, R.;** R.R.2, Box 182, Route 199, Red Hook, NY 12571 (US).

(74) **SCHMEISER, OLSEN & WATTS;** Suite 201, 3 Lear Jet Lane, Latham, NY 12110 (US).

(81) AU BR CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19119** (13) A1

(21) PCT/EP98/04128

(22) **4 Jul/juil 1998 (04.07.1998)**

(25) de (26) de

(31) 197 44 534.9 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B25B 15/00, 23/10**

(54) ● ACTUATING TOOL
● OUTIL D'ACTIONNEMENT

(71) **WILLI HAHN GMBH & CO. KG** [DE/DE]; Obertalstrasse 3-7, D-78136 Schonach (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KARLE, Otmar** [DE/DE]; Im Gottesacker 30, D-79279 Vorstetten (DE).

(74) **GLEISS, Alf-Olav** et al. / etc.; Maybachstrasse 6A, D-70469 Stuttgart (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19120** (13) A1

(21) PCT/US98/20938

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/951,002 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B25C 5/11**

(54) ● NAIL DRIVING APPARATUS
● APPAREIL D'ENFONCEMENT DE CLOUS

(71) **VERMONT AMERICAN CORPORATION** [US/US]; National City Tower, Suite 2300, 101 South Fifth Street, Louisville, KY 40202 (US).

(72) **NUSS, Bart, A.**; 2408 Running Brook Trail, Fishersville, KY 40023 (US). **GIBBONS, Gregory, M.**; 315 Pleasant View Avenue, Louisville, KY 40206 (US). **LETT, L., R., Sr.**; 1324 St. Andrews Drive, Shelbyville, KY 40065 (US). **GAKHAR, Ved, P.**; 14605 Woodstream Place, Louisville, KY 40245 (US).

(74) **FOGARTY, Michael, E.** et al. / etc.; McDermott, Will & Emery, 600 13th Street, N.W., Washington, DC 20005-3096 (US).

(81) CA CN JP KR.

Published / Publiée : (b)

(11) **WO 99/19121** (13) A1

(21) PCT/EP98/06201

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 297 18 726.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B25J 15/04, B23Q 1/00**

(54) ● INTERCHANGEABLE COUPLING
● ACCOUPLEMENT INTERCHANGEABLE

(71) **KUKA SCHWEISSANLAGEN GMBH** [DE/DE]; Blücherstrasse 144, D-86165 Augsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KIKUT, Botho** [DE/DE]; Novalisstrasse 10, D-86157 Augsburg (DE).

(74) **ERNICKE, Hans-Dieter** et al. / etc.; Schwibbogenplatz 2b, D-86153 Augsburg (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19122** (13) A1

(21) PCT/US98/08054

(22) **15 Apr/avr 1998 (15.04.1998)**

(25) en (26) en

(31) 08/947,654 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B26B 15/00**

(54) ● HAND HELD POWER ASSISTED SHEARS
● CISEAUX A MAIN ASSISTES

(71) **JARVIS PRODUCTS CORPORATION** [US/US]; 33 Anderson Road, Middletown, CT 06457 (US).

(72) **WELLS, Andrew, J.**; 6257 Star Lane, N.W. Bemidji, MN 55501 (US).

(74) **DeLIO, Anthony, P.** et al. / etc.; DeLio & Peterson, LLC, 121 Whitney Avenue, New Haven, CT 06510 (US).

(81) AU CA NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19123** (13) A1

(21) PCT/IB98/01483

(22) **24 Sep/sep 1998 (24.09.1998)**

(25) en (26) en

(31) 97203207.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B26B 19/40, 21/44 // A61K 7/48**

(54) ● SHAVING SYSTEM WITH TEMPERATURE INDICATOR
● DISPOSITIF DE RASAGE AVEC INDICATEUR DE TEMPERATURE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **VAN OPZEELAND, Johannes, Bernardus, Valentines**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **RIJKEN, Martinus, Maria**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **KLOK, Jan**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) **STOLK, Steven, A.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19124** (13) A1

(21) PCT/FR98/02215

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) fr (26) fr

(31) 97/13132 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B26B 21/44**

(54) ● ANTICHAFING STRIP FOR SHAVING EQUIPMENT HEAD AND SHAVING EQUIPMENT HEAD COMPRISING SAME
● BANDE ANTI-FRICTION EXTRUDEE POUR TETE DE RASAGE ET TETE DE RASAGE COMPORTANT UNE TELLE BANDE

(71) **SOCIETE BIC** [FR/FR]; 8, impasse des Cailloux, F-92110 Clichy (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DUEZ, José** [FR/FR]; 332, boulevard Sainte Beuve, F-62200 Boulogne sur Mer (FR). **REBAUDIÈRES, Jean** [FR/FR]; 1, square Valmy, F-60200 Compiègne (FR).

(74) **HENNION, Jean-Claude**; Cabinet Beau de Loménie, 37, rue du Vieux-Faubourg, F-59800 Lille (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19125** (13) A1

(21) PCT/US98/21569

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,855 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B26F 1/44**

(54) ● STEEL RULE CUTTING DIE WITH REMOVABLE CUTTING UNITS AND METHOD FOR USING SAME
● EMPORTE-PIECE A BANDE D'ACIER, PRESENTANT DES UNITES DE COUPE AMOVIBLES, ET PROCEDES D'UTILISATION ASSOCIE

(71, 72) **JOHNSON, Michael, J.** [US/US]; 11210 Armour Drive B1, El Paso, TX 79935 (US).

(74) **KATZ, Robert, S.** et al. / etc.; Banner & Witcoff, Ltd., 11th floor, 1001 G Street, N.W., Washington, DC 20001-4597 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19126** (13) A1
(21) PCT/SE98/01848
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) sv (26) en
(31) 9703741-0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B27M 3/00**
(54) ● METHOD FOR PRODUCTION OF SOLID WOODEN SHEETS
● PROCEDE DE PRODUCTION DE PANNEAUX EN BOIS MASSIF
(71) **DEGERBYNS TRÅ AB** [SE/SE]; Uppfinnarvägen 56, S-931 27 Skellefteå (SE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **LINDKVIST, Ulf** [SE/SE]; Varuträsk 205, S-931 98 Skellefteå (SE).
(74) **KARLSSON, Per, Tomas**; AB Stockholms Patentbyrå Zacco & Bruhn (publ), P.O. box 23101, S-104 35 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19127** (13) A2
(21) PCT/US98/21708
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/951,649 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B28B**
(54) ● WALL FORMING SYSTEM AND METHOD OF FORMING A WALL OF HARDENABLE MATERIAL
● SYSTEME ET PROCEDE DE MOULAGE D'UN MUR D'UN MATERIAU DURCISABLE
(71, 72) **LIUSKA, Bruce** [US/US]; 4866 Woodlake Avenue, Las Vegas, NV 89147 (US).
(74) **PARSONS, Robert, A.**; Suite 260, 340 E. Palm Lane, Phoenix, AZ 85004 (US).
(81) CA DE GB MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19128** (13) A1
(21) PCT/JP98/04601
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) ja (26) ja
(31) 9/281858 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B29C 39/02, 39/24, 39/26**
(54) ● DEVICE FOR MOLDING OPHTHALMIC LENS MATERIAL AND METHOD OF MOLDING THEREWITH
● DISPOSITIF DE MOULAGE D'UN MATERIAU POUR LENTILLES OPHTHALMIQUES ET PROCEDE DE MOULAGE
(71) **MENICON CO., LTD.** [JP/JP]; 21-19, Aoi 3-chome, Naka-ku, Nagoya-shi, Aichi 460-0006 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **YAMASHITA, Keiji** [JP/JP]; Menicon Co., Ltd., Central Research Laboratories, 1-10, Takamori-dai 5-chome, Kasugai-shi, Aichi 487-0032 (JP). **OJIO, Tatsuya** [JP/JP]; Menicon Co., Ltd., Central Research Laboratories, 1-10, Takamori-dai 5-chome, Kasugai-shi, Aichi 487-0032 (JP). **KA-WAGUCHI, Tohru** [JP/JP]; Menicon Co., Ltd., Central Research Laboratories, 1-10, Takamori-dai 5-chome, Kasugai-shi, Aichi 487-0032 (JP).
(74) **ASAHINA, Sohta** et al. / etc.; NS Building, 2-22, Tanimachi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-0012 (JP).
(81) US; EP (DE FR GB).
- (11) **WO 99/19129** (13) A1
(21) PCT/US98/21645
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/061,888 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 60/081,840 (32) **15 Apr/avr 1998 (15.04.1998)** (33) US
(31) 60/100,516 (32) **16 Sep/sep 1998 (16.09.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B29C 45/30**
(54) ● METHOD AND APPARATUS FOR BALANCING THE FILLING OF INJECTION MOLDS
● PROCEDE ET APPAREIL POUR EQUILIBRER LE REMPLISSAGE DE MOULES A INJECTION
(71) **THE PENN STATE RESEARCH FOUNDATION** [US/US]; 304 Old Main, University Park, PA 16802 (US).
(72) **BEAUMONT, John, D.**; 3459 Davison Road, Harborcreek, PA 16421 (US).
(74) **MONAHAN, Thomas, J.**; The Pennsylvania State University, Intellectual Property Office, 113 Technology Center, University Park, PA 16802 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19130** (13) A2
(21) PCT/EP98/06371
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) de (26) de
(31) 197 44 986.7 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B29C 45/68**
(54) ● MOULD-CLOSING UNIT FOR AN INJECTION MOULDING MACHINE
● UNITE DE FERMETURE DE MOULE POUR UNE MACHINE DE MOULAGE PAR INJECTION
(71, 72) **HEHL, Karl** [DE/DE]; Arthur-Hehl-Strasse 32, D-72290 Loßburg (DE).
(74) **REINHARDT, Harry** et al. / etc.; Schwarzwaldstrasse 1A, D-75173 Pforzheim (DE).
(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19131** (13) A1
(21) PCT/US98/21378
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,460 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **B29C 47/14, D02G 3/00**
(54) ● METHOD AND APPARATUS FOR IN-LINE SPLITTING OF PLURAL-COMPONENT FIBERS AND FORMATION OF NONWOVEN FABRICS
● PROCEDE ET APPAREIL DE CLIVAGE EN LIGNE DE FIBRES A PLUSIEURS COMPOSANTS ET DE FORMATION DE TISSUS NON TISSES
(71) **HILLS, INC.** [US/US]; 7785 Ellis Road, W. Melbourne, FL 32904 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **HAGGARD, Jeffrey, S.** [US/US]; 560 Amber Lane, Cocoa, FL 32926 (US). **WILKIE, Arnold, E.** [US/US]; 7850 S. Tropical Trail, Merritt Island, FL 32952 (US). **HARRIS, Frank, O.** [US/US]; Route 1, Box 970, Rogersville, TX 37857 (US). **DUGAN, Jeffrey, Scott** [US/US]; 109 Fishery Loop Road, Erwin, TN 37650 (US).
(74) **FINNAN, Patrick, J.** et al. / etc.; Epstein, Edell & Retzer, Suite 400, 1901 Research Boulevard, Rockville, MD 20850 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19132** (13) A1
(21) PCT/US98/19991
(22) **24 Sep/sep 1998 (24.09.1998)**
(25) en (26) en

- (31) 08/948,344 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 51/20, 51/10, 51/04, 51/16, 43/36**
- (54) ● METHOD AND APPARATUS FOR THERMOFORMING SHEET ARTICLES
● PROCÉDE ET DISPOSITIF DE THERMOFORMAGE D'ARTICLES EN FEUILLES
- (71) **LEAR CORPORATION** [US/US]; 21557 Telegraph Road, Southfield, MI 48034 (US).
- (72) **VAN ERT, Jack, M.**; 1853 Grayslake Drive, Rochester Hills, MI 48306 (US).
- (74) **QUINN, Christopher, W.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).
- (81) BR CN GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19133** (13) A1
- (21) PCT/JP98/04472
- (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) ja (26) ja
- (31) 9/276980 (32) **9 Oct/oct 1997** (33) JP
(09.10.1997)
- (31) 10/134325 (32) **27 Apr/avr 1998** (33) JP
(27.04.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 63/34**
- (54) ● METHOD OF LINING INNER SURFACE OF CONDUIT
● TECHNIQUE DE REVÊTEMENT DE LA FACE INTERNE D'UN CONDUIT
- (71) **TOKYO GAS CO., LTD.** [JP/JP]; 5-20, Kaigan 1-chome, Minato-ku, Tokyo 105-0022 (JP). **OSAKA BOSUI CONSTRUCTION CO., LTD.** [JP/JP]; 7-6, Esashimachi, Tennoji-ku, Osaka-shi, Osaka 543-0016 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HAYASHI, Mitsutoshi** [JP/JP]; 1581-20, Hongo-cho, Omiya-shi, Saitama 330-0033 (JP). **KOMORI, Mitsunori** [JP/JP]; Gurandorushisu 301, 19-7, Minaminagareyama 1-chome, Nagareyama-shi, Chiba 270-0163 (JP). **KOSEKI, Masato** [JP/JP]; Koporeto Chuorinkan 1-210, 1608-1, Shimotsuruma, Yamato-shi, Kanagawa 242-0001 (JP). **MINAMI, Tomoyuki** [JP/JP]; 406, 48-6, Higashiikebukuro 1-chome, Toshima-ku, Tokyo 170-0013 (JP). **MIZUKAMI, Seiji** [JP/JP]; 8-6, Hanakoganei 6-chome, Kodaira-shi, Tokyo 187-0002 (JP). **BANRAI, Yuichi** [JP/JP]; 3306-646, 3-3-2, Shiomidai, Isogo-ku, Yokohama-shi, Kanagawa 235-0022 (JP). **MIYAZAKI, Yasuo** [JP/JP]; 2-16-6, Oimazatominami, Higashinari-ku, Osaka-shi, Osaka 537-0013 (JP). **KAMIDE, Akira** [JP/JP]; 1-10-21, Nishiiwata, Higashiosaka-shi, Osaka 578-0947 (JP). **TANI-MURO, Hirohisa** [JP/JP]; 448-5, Hagihara-cho, Ikoma-shi, Nara 630-0234 (JP). **UCHIDA, Takeshi** [JP/JP]; Kensuiryo, 235-2, Misasagi-cho, Nara-shi, Nara 631-0803 (JP).
- (74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Doshomachi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).
- (81) CA KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19134** (13) A1
- (21) PCT/US98/21776
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 08/949,521 (32) **14 Oct/oct 1997** (33) US
(14.10.1997)
- (31) Not furnished / (32) **8 Oct/oct 1998** (33) US
non communiqué (08.10.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 65/02, 65/56, 65/70, B31B 1/84**
- (54) ● FLEXIBLE CONTAINER WITH TUBULAR FITMENT AND METHOD OF MOUNTING SAME
● RECIPIENT SOUPLE A ACCESSOIRE TUBULAIRE ET SON PROCÉDE DE MONTAGE
- (71) **TECHNICAL DEVELOPERS, INC.** [US/US]; 815 Allgood Road, Marietta, GA 30062 (US).
- (72) **BUCHANAN, Jerry, E.**; 815 Allgood Road, Marietta, GA 30062 (US).
- (74) **KENNEDY, Robert, B.**; Kennedy, Davis & Kennedy, P.C., 400 Northpark Town Center, 1000 Abernathy Road, Atlanta, GA 30328 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19135** (13) A1
- (21) PCT/EP98/05648
- (22) **5 Sep/sep 1998 (05.09.1998)**
- (25) de (26) de
- (31) 197 45 203.5 (32) **13 Oct/oct 1997** (33) DE
(13.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 65/34, F16L 47/02, H01R 31/02**
- (54) ● DEVICE FOR WELDING AN ACCESSORY ON A PIPE BY MEANS OF ELECTRICAL HEATING ELEMENTS INTEGRATED IN SAID ACCESSORY
● DISPOSITIF POUR SOUDER UN ACCESSOIRE SUR UN TUYAU AU MOYEN D'ÉLEMENTS CHAUFFANTS ÉLECTRIQUES INTÉGRÉS AUDIT ACCESSOIRE
- (71) **MANIBS SPEZIALARMATUREN GMBH & CO. KG** [DE/DE]; Lempstrasse 24, D-42859 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SCHAFSTEIN, Jürgen** [DE/DE]; Wilhelm-Rees-Strasse 3, D-42859 Remscheid (DE). **HINTZEN, Werner** [DE/DE]; Amselweg 22, D-50765 Köln (DE).
- (74) **MENTZEL, Norbert**; Kleiner Werth 34, D-42275 Wuppertal (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (b)
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- (11) **WO 99/19136** (13) A1
- (21) PCT/GB97/02715
- (22) **14 Oct/oct 1997 (14.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 67/00, 41/36, 41/12**
- (54) ● MODELLING APPARATUS AND METHOD
● APPAREIL ET PROCÉDE DE FABRICATION DE MODELES
- (71) **MARRILL ENGINEERING CO. LIMITED** [GB/GB]; Waterman Road, Off Red Lane, Coventry CV6 5TP (GB).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **PHILLIPS, John, Clifford** [GB/GB]; Marrill Engineering Co. Limited, Waterman Road, Off Red Lane, Coventry CV6 5TP (GB).
- (74) **HALLAM, Arnold, Vincent**; Lewis & Taylor, 5 The Quadrant, Coventry CV1 2EL (GB).
- (81) CN KR US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19137** (13) A1
- (21) PCT/BE98/00151
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) nl (26) en
- (31) 1007281 (32) **15 Oct/oct 1997** (33) NL
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B29C 70/24 // B29L 9:00**
- (54) ● THREE-DIMENSIONAL STRENGTHENING MATERIAL
● MATIERE DE RENFORCEMENT TRIDIMENSIONNELLE
- (71) **N.V. SYNCOGLAS S.A.** [BE/BE]; Drukkerijstraat 9, B-9240 Zele (BE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **CLAEYS, Etienne** [BE/BE]; Oude Heerwegehede 63a, B-9250 Waasmunster (BE).
- (74) **VAN SOMEREN, Petronella, Francisca, Hendrika, Maria**; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19138** (13) A1
- (21) PCT/PL98/00042
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) en (26) en
- (31) P.322563 (32) **13 Oct/oct 1997** (33) PL
(13.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B30B 9/30**
- (54) ● SCRAP BALING AND CRUSHING PRESS
● PRESSE DE BROYAGE ET DE MISE EN PAQUETS DE DECHETS
- (71) **ZUGIL S.A.** [PL/PL]; ul. Sieradzka 56, PL-98-300 Wielun (PL).

- (71, 72) **KNAGA, Tadeusz** [PL/PL]; ul. Asnyka 10, PL-98-300 Wielun (PL).
- (74) **KUCZKOWSKI, Jan**; ul. Różana 4/3, PL-98-300 Wielun (PL).
- (81) NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19139** (13) A1

(21) PCT/US98/21533

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,236 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B32B 9/00, 17/00, H05K 7/20, H01L 23/34**

- (54) ● **BUMPED SUBSTRATE ASSEMBLY**
● **ENSEMBLE SUBSTRAT A BOSSES**

(71) **ZECAL INCORPORATED** [US/US]; 456 North Sanford Road, Churchville, NY 14428 (US).

(72) **BALENTS, Leon, M.**; 20 Old Brook Trail, Honoye Falls, NY 14472 (US). **CHRISTOPHER, Kenneth, W.**; 3538 State Route 488, Clifton Springs, NY 14432 (US). **MORRISON, James, S.**; 6126 East Arcade Road, Arcade, NY 14009 (US). **ZSAMBOKY, Kalman, F.**; 287 Benson Road, Victor, NY 14564 (US).

(74) **GREENWALD, Howard, J.**; Suite 2490, 349 West Commercial Street, East Rochester, NY 14445 (US).

(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19140** (13) A1

(21) PCT/IT98/00270

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) MI97A002332 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B32B 15/14, C09K 21/02, E04B 1/94**

- (54) ● **FIRE-RESISTANT STRUCTURE**
● **STRUCTURE IGNIFUGE**

(71, 72) **VARINI, Alfredo** [IT/IT]; Via per Binzago, 96, I-20033 Desio (IT).

(74) **PIZZOLI, Pasquale**; Società Italiana Brevetti S.p.A., Via Carducci, 8, I-20123 Milano (IT) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19141** (13) A1

(21) PCT/EP98/05830

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) en (26) en

(31) 97117599.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B32B 21/13, C09J 175/08, C08G 18/48, 18/10, 18/76**

- (54) ● **POLYISOCYANATE ADHESIVE FOR PLY-WOOD**
● **COLLE DE POLYISOCYANATES POUR CONTREPLAQUE**

(71) **IMPERIAL CHEMICAL INDUSTRIES PLC** [GB/GB]; Imperial Chemical House, Millbank, London SW1P 3JF (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SEPPALA, Risto** [FI/BE]; Parkstraat 53 A, B-3070 Kortenberg (BE). **BOLANGIER, Luc** [BE/BE]; Singelweg 37, B-9200 Mespelare (BE).

(74) **MOENS, Marnix, Karel, Christiane** et al. / etc.; ICI Europe Ltd., ICI Polyurethanes, Intellectual Property Dept., Everslaan 45, B-3078 Everberg (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19142** (13) A1

(21) PCT/US98/21850

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/951,687 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B32B 31/00**

- (54) ● **FILM AND NONWOVEN LAMINATE AND METHOD**
● **STRATIFIE DE FILM ET DE NON TISSE ET PROCEDE**

(71) **CHICOPEE, INC.** [US/US]; 4838 Jenkins Avenue, North Charleston, SC 29405 (US).

(72) **McAMISH, Larry, H.**; 19510 Norman Square, Cornelius, NC 28031 (US). **FERENCZ, Richard, L.**; 4 Seahorse Court, Isle of Palms, SC 29451 (US). **WILKINSON, Gregg, T.**; 2309 Golf Club Lane, Nashville, TN 37215 (US).

(74) **PYLE, Russell, W.**; Juettner Pyle Piontek & Underwood, Suite 850, 221 N. LaSalle Street, Chicago, IL 60601 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19143** (13) A1

(21) PCT/US98/21380

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,699 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/145,163 (32) **2 Sep/sep 1998 (02.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41C 1/10**

- (54) ● **IMPROVED LITHOGRAPHIC PRINTING PLATES COMPRISING A PHOTOTHERMAL CONVERSION MATERIAL**
● **PLANCHES D'IMPRESSION LITHOGRAPHIQUE COMPRENANT UNE MATIERE DE CONVERSION PHOTOTHERMIQUE**

(71) **KODAK POLYCHROME GRAPHICS** [US/US]; 401 Merritt 7, Norwalk, CT 06851 (US).

(72) **DEBOER, Charles**; 3000 Leroy Road, Palmyra, NY 14522 (US).

(74) **HAUSER, William, P.** et al. / etc.; Ratner & Prestia, P.O. Box 7228, Wilmington, DE 19803 (US).

(81) CA CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19144** (13) A1

(21) PCT/US98/21381

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,559 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/146,454 (32) **2 Sep/sep 1998 (02.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41C 1/10**

- (54) ● **DIMENSIONALLY STABLE LITHOGRAPHIC PRINTING PLATES WITH A SOL-GEL LAYER**
● **PLANCHES D'IMPRESSION LITHOGRAPHIQUE A STABILITE DIMENSIONNELLE DOTEES D'UNE COUCHE SOL-GEL**

(71) **KODAK POLYCHROME GRAPHICS** [US/US]; 401 Merritt 7, Norwalk, CT 06851 (US).

(72) **DEBOER, Charles, D.**; 3000 Leroy Road, Palmyra, NY 14522 (US). **FLEISSIG, Judith, L.**; 100 Park Lane, Rochester, NY 14652 (US).

(74) **HAUSER, William, P.** et al. / etc.; Ratner & Prestia, P.O. Box 7228, Wilmington, DE 19803 (US).

(81) CH CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19145** (13) A1

(21) PCT/CH98/00051

(22) **12 Feb/fév 1998 (12.02.1998)**

(25) de (26) de

(31) 2383/97 (32) **13 Oct/oct 1997 (13.10.1997)** (33) CH

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41F 15/36**

- (54) ● SCREEN PRE-SETTING
● PREREGLAGE D'ECRANS DE SERIGRAPHIE
- (71) **AUTOTEC AG** [CH/CH]; Bohlstrasse 16, CH-8240 Thayngen (CH).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **FRITSCHI, Markus** [CH/CH]; Oberteufenerstrasse 27, CH-8424 Teufen (CH).
- (74) **PEEGE, Klaus**; Hiebsch & Peege AG, Patentanwaltsbüro, Promenadenstrasse 21, CH-8201 Schaffhausen (CH).
- (81) CA US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19146** (13) A1

(21) PCT/CH98/00368

(22) **26 Aug/août 1998 (26.08.1998)**

(25) de (26) de

(31) 2393/97 (32) **14 Oct/oct 1997 (14.10.1997)** (33) CH

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41F 15/42, 15/08**

(54) ● SCREEN PRINTING INSTALLATION

● GROUPE DE SERIGRAPHIE

(71) **GALLUS FERD. RÜESCH AG** [CH/CH]; Harzbüchelstrasse 34, CH-9016 St. Gallen (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BROCKER, Heinz** [CH/CH]; Sonnmattstrasse 29, CH-9015 St. Gallen (CH). **FRICK, Hansrudolf** [LI/CH]; Hofackerrenstrasse 15, CH-9425 Thal (CH).

(74) **TROESCH SCHEIDEGGER WERNER AG**; Siewerdstrasse 95, Postfach, CH-8050 Zürich (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19147** (13) A1

(21) PCT/GB98/03050

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721555.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41J 2/14, 2/16**

(54) ● DROPLET DEPOSITION APPARATUS AND METHODS OF MANUFACTURE THEREOF

● APPAREIL UTILE POUR DEPOSER DES GOUTEULETTES ET PROCEDES DE FABRICATION ASSOCIES

(71) **XAAR TECHNOLOGY LIMITED** [GB/GB]; Science Park, Cambridge CB4 4FD (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HARVEY, Robert, Alan** [GB/GB]; Xaar Technology Limited, Science Park, Cambridge CB4 4FD (GB). **LOMBARDI, Giuseppe**

[GB/GB]; Xaar Technology Limited, Science Park, Cambridge CB4 4FD (GB). **OMER, Salhadin** [GB/GB]; Xaar Technology Limited, Science Park, Cambridge CB4 4FD (GB). **TEMPLE, Stephen** [GB/GB]; Xaar Technology Limited, Science Park, Cambridge CB4 4FD (GB).

(74) **MOIR, Michael, Christopher** et al. / etc.; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19148** (13) A1

(21) PCT/US98/21076

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/949,867 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 08/950,040 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 08/949,870 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41J 11/26**

(54) ● BINDER STRIP PRINTER AND METHOD

● IMPRIMANTE SUR BANDE DE RELIURE ET PROCEDE

(71) **POWIS PARKER INC.** [US/US]; 775 Heinz Avenue, Berkeley, CA 94710 (US).

(72) **PARKER, Kevin, P.**; 2015 Del Norte, Berkeley, CA 94707 (US). **FERNEKES, Leo, M.**; 632 E. 11th Street #11, New York, NY 10009 (US). **RUBLOWSKY, Stefan**; 103 No. 8th Street, Brooklyn, NY 11211 (US). **KOLB, Scott, J.**; 235 2nd Avenue #1C, New York, NY 10003 (US). **COSENTINO, Christopher**; 1 Peru Street, Staten Island, NY 10314 (US). **MAKSYMUK, Peter, M.**; Apartment 15C, 80 First Avenue, New York, NY 10009 (US). **CHAN, Rebecca**; 118-11 84th Avenue #519, Kew Gardens, NY 11415 (US).

(74) **GIRARD, Philip, A.** et al. / etc.; Limbach & Limbach L.L.P., 2001 Ferry Building, San Francisco, CA 94111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19149** (13) A1

(21) PCT/EP98/06172

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) de (26) de

(31) 197 44 957.3 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41J 29/367, 31/09, B41M 5/10**

(54) ● MULTI-LAYER, FLEXIBLE TRANSFER TAPE

● RUBAN TRANSFERT MULTICOUCHE SOUPLE

(71) **PRITT PRODUKTIONSGESELLSCHAFT MBH** [DE/DE]; Sichelstrasse 1, D-30453 Hannover (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WEISSMANN, Karl-Heinz** [DE/DE]; Alte Döhrener Strasse 30, D-30173 Hannover (DE). **BUCHHOLZ, Martina** [DE/DE]; Hauptstrasse 186, D-30826 Garbsen (DE). **GIERSEMEHL, Wolfgang** [DE/DE]; Hechtweg 18, D-31275 Lehrte (DE). **BAUERSACHS, Wolfgang** [DE/DE]; Birkenkamp 2, D-30900 Wedemark (DE).

(74) **HAGEMANN, Heinrich** et al. / etc.; Hagemann, Braun & Held, Postfach 860 329, D-81630 München (DE).

(81) AU BR CA CN CZ JP KR MX TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19150** (13) A1

(21) PCT/US98/21038

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 60/062,427 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(31) 09/062,439 (32) **17 Apr/avr 1998 (17.04.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B41M 3/14, 5/40, G07D 7/00, B42D 15/00, 15/10, G09F 3/10, 3/02**

(54) ● VERIFICATION METHODS AND SYSTEMS EMPLOYING THERMALLY-IMAGEABLE SUBSTRATES

● METHODES ET SYSTEMES DE VERIFICATION DE SUBSTRATS POUR IMPRESSION THERMOGRAPHIQUE

(71) **NASHUA CORPORATION** [US/US]; 44 Franklin Street, Nashua, NH 03061-2002 (US).

(72) **ZEIRA, Eitan**; 24 Briand Drive, Nashua, NH 03063 (US). **ELLETT, Daniel**; 23 Regent Drive, Nashua, NH 03063 (US).

(74) **BRODOWSKI, Michael, H.**; Testa, Hurwitz & Thibault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19151** (13) A1

(21) PCT/AT98/00240

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) de (26) de

(31) GM 636/97 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B42B 5/08, B42F 13/12, B42D 5/00**

(54) ● FOLDER FOR HOLDING A STACK OF SHEETS AND BACK PART FOR THIS FOLDER

- CHEMISE DESTINEE A RECEVOIR UNE PILE DE FEUILLES ET DOS DE CETTE CHEMISE
- (71, 72) **SCHWARZ, Rudolf** [AT/AT]; Piaristengasse 12, A-1080 Wien (AT).
- (74) **HOLZER, Walter** et al. / etc.; Schütz und Partner, Börsegebäude, Schottenring 16, A-1010 Wien (AT).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19152** (13) A1

(21) PCT/EP98/05787

(22) **10 Sep/sep 1998 (10.09.1998)**

(25) de (26) de

(31) 197 44 953.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B42D 15/10, D21H 21/28, C23C 14/02, 14/20**

- SECURITY ELEMENT AND METHOD FOR PRODUCING SAME
- ELEMENT DE SECURITE ET SON PROCEDE DE PRODUCTION

(71) **GIESECKE & DEVRIENT GMBH** [DE/DE]; Prinzregentenstrasse 159, D-81677 München (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KAULE, Wittich** [DE/DE]; Lindacher Weg 13, D-82275 Emmering (DE). **GRAUVOGL, Gregor** [DE/DE]; Karl-Marr-Strasse 15, D-81479 München (DE). **SCHÜTZMANN, Jürgen** [DE/DE]; Grabmeistrasse 6, D-85276 Pfaffenhofen (DE). **KRETSCHMAR, Friedrich** [DE/DE]; Erchanbertstrasse 8, D-81929 München (DE).

(74) **KLUNKER, SCHMITT-NILSON, HIRSCH**; Winzerstrasse 106, D-80797 München (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19153** (13) A1

(21) PCT/US98/21736

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,399 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B44F 7/00**

- COMPRESSION MOLDED, INSERTED THERMOSET DOOR LIGHT FRAMES, PLANT-ON MOLDINGS, AND DECORATIVE PANELS

- CADRES DE PORTES INSERABLES MOULES PAR COMPRESSION, MOULURES RAPPORTEES ET PANNEAUX DECORATIFS D'UN MATERIAU THERMODURCISSABLE

(63) US 60/062,399 (CIP)
14 Oct/oct 1997 (14.10.1997)

(71) **THERMA-TRU CORPORATION** [US/US]; 108 Mutzfeld Road, Butler, IN 46721 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MINKE, Ronald, C.** [US/US]; 10920 Current Cove, Allen County, Fort Wayne, IN 46845 (US). **DAVIS, Eugene, R.** [US/US]; 655 Lane 100, Pine Canyon Lake, Steuber County, Angola, IN 46703 (US). **TEMPLETON, G., Daniel** [US/US]; 12024 Willowind Court, Allen County, Fort Wayne, IN 46845 (US).

(74) **CONGER, William, G.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) CA GB JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19154** (13) A1

(21) PCT/FR98/02187

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/12829 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B44F 9/04, E04D 3/32**

- PREFABRICATED ROOFING ELEMENT
- ELEMENT DE COUVERTURE DE TOITURE PREFABRIQUE

(71) **SCIEL** [FR/FR]; Société de Création Intégrale pour Entreprise et Loisirs, Zone Industrielle, Rue des Châtaigniers, F-44190 Clisson (FR). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **COCAULT, Alain** [FR/FR]; Fradet, F-85610 Cugand (FR).

(74) **DAWIDOWICZ, Armand**; Cabinet Dawidowicz, 18, boulevard Pereire, F-75017 Paris (FR).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19155** (13) A2

(21) PCT/US98/21004

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 60/061,610 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60B**

- DUAL ALLOY RAILROAD WHEEL
- ROUE DE VEHICULE FERROVIERE A DEUX ALLIAGES

(71) **ULTRACLAD CORPORATION** [US/US]; 155 River Street, Andover, MA 01810 (US).

(72) **RUNKLE, Joseph, C.**; 3 Plum Hill, Manchester-by-the-Sea, MA 01944 (US).

(74) **DURKEE, Paul, D.** et al. / etc.; Nutter, McClenen & Fish, LLP, One International Place, Boston, MA 02110-2699 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19156** (13) A1

(21) PCT/EP98/06488

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 97117733.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60B 27/00**

- WHEEL BEARING
- ROULEMENT DE ROUE

(71) **BPW BERGISCHE ACHSEN KOMMANDITGESELLSCHAFT** [DE/DE]; Ohlerhammer, D-51674 Wiehl (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **EBERT, Jörg** [DE/DE]; Holunderweg 58, D-50858 Köln (DE). **LEIDIG, Hans-Josef** [DE/DE]; Wildbergerstrasse 3, D-51580 Reichshof (DE).

(74) **STENGER, WATZKE & RING**; Kaiser-Friedrich-Ring 70, D-40547 Düsseldorf (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (a)

(11) **WO 99/19157** (13) A1

(21) PCT/IB98/01772

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,957 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60B 33/00**

- DETACHABLE SWIVEL FOR CASTERS
- PIVOT DETACHABLE POUR ROULETTES

(71) **IACOBUCCI HOLDING USA, INC.** [US/US]; 200 Industrial Way, Eatontown, NJ 07724 (US).

(71, 72) **IACOBUCCI, Emilio** [IT/IT]; Via Sodine, S1, I-03100 Frosinone (IT). **IACOBUCCI, Angelo** [IT/IT]; Via Mazzini, 174, I-03100 Frosinone (IT).

(74) **WINSLOW, Anastasia, P.**; Mathews, Collins, Shepherd & Gould, P.A., Suite 306, 100 Thanet Circle, Princeton, NJ 08540 (US).

(81) BR CA MX.

Published / Publiée : (c)

(11) **WO 99/19158** (13) A2

(21) PCT/EP98/06530

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) de (26) de

(31) 197 45 409.7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60C 17/06, 15/028, 17/04**

(54) ● VEHICLE WHEEL WITH AN EMERGENCY RUNNING SUPPORT BODY

● ROUE DE VEHICULE AVEC CORPS D'APPUI DE SECOURS

(71) **CONTINENTAL AKTIENGESELLSCHAFT** [DE/DE]; Postfach 1 69, D-30001 Hannover (DE). (for all designated States except / pour tous les États désignés sauf US)(72, 75) **GLINZ, Michael** [DE/DE]; Greifswalderweg 7, D-31535 Neustadt (DE). **HELLWEG, Hans, Bernd** [DE/DE]; Dahlienweg 51, D-30926 Hannover (DE).

(81) CZ HU JP KR PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19159** (13) A1

(21) PCT/AU98/00860

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 41027/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60J 3/02, 3/04**

(54) ● GLARE REDUCING VISOR

● PARE-SOLEIL REDUCTEUR D'EBLOUISSEMENT

(71, 72) **CUMMINS, Pamela, Robin** [AU/AU]; 1/54 Laguna Place, Port Macquarie, NSW 2444 (AU).(74) **HALFORD, Graham, William** et al. / etc.; Halford & Co., 1 Market Street, Sydney, NSW 2000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19160** (13) A1

(21) PCT/US98/09055

(22) **4 May/mai 1998 (04.05.1998)**

(25) en (26) en

(31) 08/943,302 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60J 3/02**

(54) ● INTERIOR TRIM ATTACHMENT APPARATUS FOR AN AUTOMOTIVE VEHICLE

● DISPOSITIF DE FIXATION DE GARNITURE INTERIEURE POUR VEHICULE AUTOMOBILE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).(72) **CURTINDALE, Edward, G.**; 25256 Chapelweigh, Farmington Hills, MI 48336 (US).(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., 5445 Corporate Drive, Troy, MI 48098 (US).

(81) BR CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19161** (13) A1

(21) PCT/US98/21687

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061,817 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60K 1/00**

(54) ● VEHICLE POWERED BY A FUEL CELL/GAS TURBINE COMBINATION

● VEHICULE ALIMENTE PAR UN ENSEMBLE ELEMENT A CARBURANT/TURBINE A GAZ

(63) US 60/061,817 (CIP) 14 Oct/oct 1997 (14.10.1997)

(71) **CAPSTONE TURBINE CORPORATION** [US/US]; 18700 Oxnard Street, Tarzana, CA 91356 (US). (for all designated States except / pour tous les États désignés sauf US)(72, 75) **ROSEN, Harold, A.** [US/US]; 14629 Hilltree Road, Santa Monica, CA 90402 (US). **WILLIS, Jeffrey, W.** [US/US]; 1427 E. 4th Street #3, Los Angeles, CA 90033 (US).(74) **DELEVIE, Hugo, A.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19162** (13) A1

(21) PCT/FR98/02172

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) fr (26) fr

(31) 97/12658 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60L 11/18, B62B 5/00**

(54) ● SYSTEM FOR EQUIPPING A TROLLEY FOR TRANSPORTING OBJECTS WITH MOTORING MEANS

● SYSTEME DE MOTORISATION D'UN CHARIOT DE TRANSPORT D'OBJETS

(71, 72) **LOSEGO, Martine** [FR/FR]; 12, allée des Géraniums, Boîte postale 90, F-78260 Achères (FR).(74) **BREESE, Pierre**; Breese Majerowicz, 3, avenue de l'Opéra, F-75001 Paris (FR).

(81) CA MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19163** (13) A1

(21) PCT/US98/21409

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/950,573 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60N 2/02, 2/00**

(54) ● FOLDABLE AUTOMOTIVE SEAT

● SIEGE D'AUTOMOBILE PLIABLE

(71) **LEAR CORPORATION** [US/US]; 21557 Telegraph Road, Southfield, MI 48034 (US).(72) **HECHT, Robert, L.**; 54 Torngattan, S-461 34 Trollhattan (SE). **BAN, Marcel, Corneliu**; 6259 Country Ridge Drive, Troy, MI 48098 (US). **STURT, Alan**; 4780 Edkins Drive, West Bloomfield, MI 48323 (US).(74) **HARRINGTON, Donald, J.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19164** (13) A1

(21) PCT/DE97/02484

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) de (26) de

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60N 2/36, 2/44**

(54) ● BENCH FOR VEHICLE WITH TILTING BACK REST

● BANQUETTE POUR VEHICULE POURVUE D'UN DOSSIER BASCULANT

(71) **TWB PRESSWERK GMBH** [DE/DE]; Sedansstrasse 3-9, D-58089 Hagen (DE). (for all designated States except / pour tous les États désignés sauf US)(72, 75) **BLECHER, Peter** [DE/DE]; Salmuthstrasse 2, D-58091 Hagen (DE).(74) **DÖRNER, Lothar**; Stresemannstrasse 15, D-58095 Hagen (DE).

(81) BR CA CN CZ HU JP KP MX US YU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19165** (13) A1

(21) PCT/US98/21824

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/950,558 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US(31) 08/950,934 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60N 2/36**

(54) ● ROLLING STOWABLE SEAT

● SIEGE COULISSANT ESCAMOTABLE

(71) **LEAR CORPORATION** [US/US]; 21557 Telegraph Road, Southfield, MI 48034 (US).

(72) **STURT, Alan**; 4780 Edkins Drive, West Bloomfield, MI 48323 (US). **BAN, Marcel, Corneliu**; 6259 Country Ridge Drive, Troy, MI 48098 (US).

(74) **HARRINGTON, Donald, J.** et al. / etc.; Brooks & Kushman, 22nd floor, 1000 Town Center, Southfield, MI 48075 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19166** (13) A1

(21) PCT/DE98/02944

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 297 18 291.9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60N 2/46**

(54) ● ARM REST FOR A VEHICLE SEAT
● ACCOUDOIR POUR SIEGE DE VEHICULE

(71) **GRAMMER AG** [DE/DE]; Werner-von-Braun-Strasse 6, D-92224 Amberg (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIMMELHUBER, Erwin** [DE/DE]; Finkenweg 5, D-92237 Sulzbach-Rosenberg (DE).

(74) **SEGETH, Wolfgang**; Louis, Pöhlau, Lohrenz & Segeth, Postfach 30 55, D-90014 Nürnberg (DE).

(81) BR CZ JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19167** (13) A1

(21) PCT/DE98/02988

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) de (26) de

(31) 197 44 922.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60Q 3/04, 1/14**

(54) ● DEVICE FOR CONTROLLING THE BRIGHTNESS OF AN INSTRUMENTATION LIGHT OF AN AUTOMOBILE
● DISPOSITIF DE COMMANDE DE LA LUMINANCE DE L'ECLAIRAGE DES TABLEAUX ET INSTRUMENTS DE BORD D'UN VEHICULE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HÜRTGEN, Bernd** [DE/DE]; August-Klingegebiet-Strasse 6, D-31079 Sibbesse (DE). **PÖCHMÜLLER, Werner** [DE/AT]; Gutenbergstrasse 19, D-31139 Hildesheim (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19168** (13) A1

(21) PCT/CA98/00955

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 2,218,007 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 9/045**

(54) ● ADJUSTABLE LOAD-CARRYING RACK FOR VEHICLES
● PORTE-TOUT REGLABLE DESTINE A DES VEHICULES

(71) **SPORTRACK INTERNATIONAL INC.** [CA/CA]; 700 Bernard, Granby, Quebec J2G 9H7 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ESPESSET, Hugues** [CA/CA]; Apartment 303, 238 Saint-Hubert, Quebec J2G 5N1 (CA).

(74) **SOFIA, Michel** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Quebec H3A 2Y3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19169** (13) A1

(21) PCT/US98/21555

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,963 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 60/068,032 (32) **18 Dec/déc 1997 (18.12.1997)** (33) US

(31) 60/087,147 (32) **29 May/mai 1998 (29.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 13/08**

(54) ● INSULATED HEAT SENSITIVE COMPONENT
● COMPOSANT SENSIBLE A LA CHALEUR ISOLE

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SUH, Kyung, W.** [US/US]; 6204 Evergreen Court, Midland, MI 48642 (US). **CORNELL, Martin, C.** [US/US]; 333 Timbercreek Drive, Lake Jackson, TX 77566 (US). **MOTTER, Gregg, A.** [US/US]; 1401 Sylvan Lane, Midland, MI 48640 (US).

(74) **ROBERTS, John, H.**; Patent Dept., P.O. Box 1967, Midland, MI 48641-1967 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19170** (13) A1

(21) PCT/DE98/02893

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 197 45 263.9 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(31) 197 46 389.4 (32) **21 Oct/oct 1997 (21.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 13/10, G06K 19/07**

(54) ● VEHICLE LICENCE PLATE WITH AN ELECTRONIC DATA CARRIER WHICH CAN BE READ WITHOUT CONTACT, AND METHOD FOR PRODUCING THE SAME

● PLAQUE D'IMMATRICULATION DE VEHICULES A SUPPORTS DE DONNEES ELECTRONIQUES LISIBLES SANS CONTACT ET SON PROCEDURE DE FABRICATION

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROTHER, Bernhard** [DE/DE]; Hintere Strasse 92, D-90768 Fürth (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19171** (13) A1

(21) PCT/EP98/06505

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) de (26) de

(31) 297 18 305.2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(31) 298 01 051.8 (32) **22 Jan/jan 1998 (22.01.1998)** (33) DE

(31) 298 14 961.3 (32) **20 Aug/août 1998 (20.08.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 21/16**

(54) ● AIRBAG
● COUSSIN GONFLABLE

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D-73551 Alfdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEIGL, Jürgen** [DE/DE]; Bürgermeister-Göhlinger-Strasse 8, D-73560 Böbingen (DE).

(74) **KITZHOFFER, Thomas**; Prinz & Partner, Manzingergeweg 7, D-81241 München (DE).

(81) CZ DE JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19172** (13) A1

(21) PCT/EP98/06332

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) de (26) de

(31) 297 18 205.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 21/20**

- (54) ● AIR BAG SYSTEM
- SYSTEME D'AIRBAG

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D-73551 Alfdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EYRAINER, Heinz** [DE/DE]; Breslauer Strasse 21, D-73550 Waldstetten (DE). **STÜTZ, Michael** [DE/DE]; Hauffstrasse 13, D-73565 Spraitbach (DE).

(74) **DEGWERT, Hartmut**; Prinz & Partner, Manzingergeweg 7, D-81241 München (DE).

(81) BR DE JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19173** (13) A1

(21) PCT/EP98/06333

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) de (26) de

(31) 297 18 305.2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 21/20**

- (54) ● INFLATABLE PROTECTION DEVICE FOR PROTECTING HEAD AND CHEST AREAS OF PASSENGERS IN AN AUTOMOBILE DURING A SIDE COLLISION
- DISPOSITIF DE PROTECTION GONFLABLE POUR OCCUPANTS D'UN VEHICULE, DESTINE A PROTEGER EN CAS DE CHOC LATERAL DANS LA ZONE DE LA TETE OU DU THORAX

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D-73551 Alfdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EYRAINER, Heinz** [DE/DE]; Breslauer Strasse 21, D-73550 Waldstetten (DE). **STÜTZ, Michael** [DE/DE]; Hauffstrasse 13, D-73565 Spraitbach (DE).

(74) **DEGWERT, Hartmut**; Prinz & Partner, Manzingergeweg 7, D-81241 München (DE).

(81) BR DE JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19174** (13) A1

(21) PCT/EP98/06559

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(25) de (26) de

(31) 297 18 305.2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 21/20**

- (54) ● AIRBAG MODULE
- MODULE AIRBAG

(71) **TRW OCCUPANT RESTRAINT SYSTEMS GMBH & CO. KG** [DE/DE]; Industriestrasse 20, D-73551 Alfdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FISCHER, Anton** [DE/DE]; Weihergasse 43, D-73579 Leinweiler (DE). **SEITZ, Martin** [DE/DE]; Mühlwiesenstrasse 7, D-73527 Schwäbisch Gmünd (DE). **WISSLICEN, Gitta** [DE/DE]; Löhlesweg 14, D-73527 Schwäbisch Gmünd (DE).

(74) **KITZHOFFER, Thomas**; Prinz & Partner, Manzingergeweg 7, D-81241 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19175** (13) A1

(21) PCT/EP98/06266

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(25) de (26) de

(31) 197 45 309.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 21/32**

- (54) ● ACCIDENT SENSOR CONSISTING OF A DEFORMABLE PART OF THE VEHICLE
- DETECTEUR D'ACCIDENT CONSTITUE D'UNE PARTIE DEFORMABLE D'UN VEHICULE

(71) **TEMIC TELEFUNKEN MICROELECTRONIC GMBH** [DE/DE]; Theresienstrasse 2, D-74072 Heilbronn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPIES, Hans** [DE/DE]; Schießstätte 12, D-85278 Pfaffenhofen (DE).

(74) **KOLB, Georg**; Daimler-Benz Aktiengesellschaft, Theresienstrasse 2, D-74072 Heilbronn (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19176** (13) A1

(21) PCT/EP98/06263

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(31) 197 45 062.8 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 22/34, B65H 75/28**

- (54) ● SAFETY BELT WINDER WITH NONDETACHABLE PIN FASTENED TO THE BELT STRAP
- ENROULEUR DE CEINTURE DE SECURITE MUNI D'UNE BROCHE SOLIDARISEE DE MANIERE INAMOVIBLE A LA SANGLE

(71) **AUTOLIV DEVELOPMENT AB** [SE/SE]; Valentinssvägen 22, S-447 83 Vargarda (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RÖDEL, Wolfgang** [DE/DE]; Kirchdorf 47, D-25335 Neuendorf (DE). **FISCHER, Manfred** [DE/DE]; Am Bolritt 12, D-25348 Glückstadt (DE). **DEEG, Frank** [DE/DE]; Furchenacker 7c, D-22523 Hamburg (DE).

(74) **MÜLLER, Karl-Ernst** et al. / etc.; Turmstrasse 22, D-40878 Ratingen (DE).

(81) CN DE JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19177** (13) A1

(21) PCT/FR98/02183

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) fr (26) fr

(31) 97/12702 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60R 25/10**

- (54) ● DEVICE AND METHOD FOR EMERGENCY CALL
- DISPOSITIF ET PROCEDURE D'APPEL D'URGENCE

(71) **RENAULT** [FR/FR]; 34, quai du Point du Jour, F-92109 Boulogne Billancourt Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRANIER, Emmanuel** [FR/FR]; 34, rue Parmentier, F-92800 Puteaux (FR).

(74) **ROUGEMONT, Bernard**; Renault, Service 0267 - TPZ 0J2 110, 860, quai de Stalingrad, F-92109 Boulogne Billancourt Cedex (FR).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19178** (13) A2

(21) PCT/DE98/02967

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) de (26) de

(31) 197 45 006.7 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/00**

- (54) ● WIPER SYSTEM
- SYSTEME D'ESSUIE-GLACE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZIMMER, Joachim** [DE/DE]; Umlandstrasse 5, D-77880 Sasbach (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19179** (13) A1

(21) PCT/US98/20233

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

- (31) 08/947,977 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/08, E05B 47/00**
- (54) ● A MULTI-FUNCTIONAL APPARATUS FOR A WIPER AND CABLE DRIVE
- APPAREIL MULTIFONCTIONNEL DESTINE A UN ESSUIE-GLACE ET A UN CABLE D'ENTRAINEMENT
- (71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).
- (72) **KILKER, Daniel, D.**; 3008 Wheatland Terrace, Freeport, IL 61032 (US).
- (74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19180** (13) A1
- (21) PCT/US98/20273
- (22) **28 Sep/sep 1998 (28.09.1998)**
- (25) en (26) en
- (31) 08/947,973 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/08, F16D 11/04, E05B 47/00, B60S 1/48, B60Q 1/05, B60R 1/06, F16H 27/06**
- (54) ● MULTI-FUNCTIONAL APPARATUS FOR VEHICLE
- APPAREIL MULTI-FONCTIONNEL DESTINE A UN VEHICULE
- (71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).
- (72) **MILLER, Robin, Mihekun**; 108 Burbank Road, Ellington, CT 06029 (US). **KILKER, Daniel, D.**; 3008 Wheatland Terrace, Freeport, IL 61032 (US). **FALCOFF, Monte, L.**; 16221 Beechwood Avenue, Beverly Hills, MI 48025 (US). **MAUE, H., Winson**; 21789 Glenwild Drive, Northville, MI 48167 (US). **KRUPP, Eric, J.**; 7695 Ridge Road, Canton, MI 48187 (US). **ZIMMER, William, C.**; 151 Anna Drive, Columbus, MS 39072 (US). **GIBSON, James, W.**; 5476 Highway 50 East, Steens, MS 39766 (US).
- (74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19181** (13) A1
- (21) PCT/US98/10988
- (22) **29 May/mai 1998 (29.05.1998)**
- (25) en (26) en
- (31) 08/948,165 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/18, 1/26, 1/58**
- (54) ● MULTI-FUNCTIONAL APPARATUS FOR USE IN AN AUTOMOTIVE VEHICLE EMPLOYING MULTIPLE TRACKS
- APPAREIL POLYVALENT UTILISANT UN ORGANE D'ENTRAINEMENT SOUPLE DESTINE A ACTIONNER DE MANIERE SELECTIVE PLUSIEURS SYSTEMES DE SORTIE
- (71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).
- (72) **TILLI, Christopher, R.**; 2480 E. Rhead Circle, Westland, MI 48186 (US). **DUTKA, Harry, F.**; 22030 Haig Street, Taylor, MI 48180 (US).
- (74) **FALCOFF, Monte, L.**; Harness, Dickey & Pierce, P.L.C., 5445 Corporate Drive, Troy, MI 48098 (US) et al. / etc.
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19182** (13) A1
- (21) PCT/US98/11369
- (22) **29 May/mai 1998 (29.05.1998)**
- (25) en (26) en
- (31) 08/948,167 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/18**
- (54) ● WINDOW WIPER SYSTEM FOR AN AUTOMOTIVE VEHICLE
- SYSTEME D'ESSUIE-GLACE POUR VEHICULE AUTOMOBILE
- (71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).
- (72) **TILLI, Christopher, R.**; 2480 E. Rhead Circle, Westland, MI 48186 (US). **KILKER, Daniel, D.**; 3008 Wheatland Terrace, Freeport, IL 61032 (US). **REAU, Steven**; 21416 Green Hill, Farmington Hills, MI 48335 (US). **MILLER, Robin, Mihekun**; 108 Burbank Road, Ellington, CT 06029 (US).
- (74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., 5445 Corporate Drive, Troy, MI 48098 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19183** (13) A1
- (21) PCT/US98/13494
- (22) **29 Jun/juin 1998 (29.06.1998)**
- (25) en (26) en
- (31) 08/948,383 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/20, 1/58, F16H 7/00**
- (54) ● MULTI-FUNCTIONAL APPARATUS EMPLOYING A FLEXIBLE DRIVE ELEMENT FOR SELECTIVELY ACTUATING MULTIPLE OUTPUT SYSTEMS
- APPAREIL MULTIFONCTIONNEL DESTINE A UN VEHICULE EMPLOYANT UN ELEMENT DE CONDUITE FLEXIBLE POUR ACTIVER SELECTIVEMENT PLUSIEURS SYSTEMES DE SORTIE
- (71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).
- (72) **MILLER, Robin, Mihekun**; 108 Burbank Road, Ellington, CT 06029 (US). **KILKER, Daniel, D.**; 3008 Wheatland Terrace, Freeport, IL 61032 (US). **FALCOFF, Monte, L.**; 16221 Beechwood Avenue, Beverly Hills, MI 48025 (US). **DAN, Petre**; 19129 Chelton, Beverly Hills, MI 48025 (US).
- (74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19185** (13) A1
- (21) PCT/DE98/02972
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) de (26) de
- (31) 197 45 003.2 (32) **11 Oct/oct 1997** (33) DE
(11.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B60S 1/38**
- (54) ● WIPER BLADE RUBBER ELEMENT
- ELEMENT EN CAOUTCHOUC DU BALAI D'ESSUIE-GLACE
- (71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **VAN DAMME, Marc** [BE/BE]; Hannutses-teenweg 540, B-3300 Tienen (BE). **VERELST, Hubert** [BE/BE]; Groot Overlaer 245, B-3300 Tienen (BE).
- (81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
-
- (11) **WO 99/19186** (13) A1
- (21) PCT/EP98/06499
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) de (26) de

(31) 197 45 460.7 (32) **15 Oct/oct 1997** (33) DE
(15.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/38**

(54) ● WIPER BLADE FOR A MOTOR VEHICLE WINDSHIELD WIPER DEVICE
● RACLETTE D'ESSUIE-GLACE POUR VEHICULE AUTOMOBILE

(71) **SWF AUTO-ELECTRIC GMBH & CO. KG** [DE/DE]; Stuttgarter Strasse 119, D-74321 Bietigheim-Bissingen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EGNER-WALTER, Bruno** [DE/DE]; Käferflugstrasse 43, D-74076 Heilbronn (DE).

(74) **DREISS, FUHLENDORF, STEIMLE & BECKER**; Postfach 10 37 62, D-70032 Stuttgart (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19187** (13) A1

(21) PCT/DE98/02962

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) de (26) de

(31) 297 17 909.8 (32) **9 Oct/oct 1997** (33) DE
(09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/40**

(54) ● WINDSCREEN WIPER
● ESSUIE-GLACE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIURIATO, Joachim** [DE/DE]; Schafhofweg 27, D-77830 Bühlertal (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19188** (13) A1

(21) PCT/US98/18093

(22) **1 Sep/sep 1998 (01.09.1998)**

(25) en (26) en

(31) 08/948,373 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/58, E05B 47/00**

(54) ● WINDOW WIPER OUTPUT RELEASE APPARATUS
● APPAREIL LIBERANT LE FONCTIONNEMENT D'UN ESSUIE-GLACE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **MILLER, Robin, Mihekun**; 108 Burbank Road, Ellington, CT 06029 (US). **MAUE, H., Winston**; 21789 Glenwild Drive, Northville, MI 48167 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19189** (13) A1

(21) PCT/US98/19684

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) 08/947,709 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/58, 1/34, H02K 49/06, F16D 37/02**

(54) ● MAGNETIC COUPLING MECHANISM FOR USE IN AN AUTOMOTIVE VEHICLE
● MECANISME DE COUPLAGE MAGNETIQUE, UTILE DANS UN VEHICULE AUTOMOBILE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **MILLER, Robin, Mihekun**; 108 Burbank Road, Ellington, CT 06029 (US). **FALCOFF, Monte, L.**; 16221 Beechwood Avenue, Beverly Hills, MI 48025 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48126 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19190** (13) A1

(21) PCT/US98/20285

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/948,168 (32) **9 Oct/oct 1997** (33) US
(09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 1/58, 1/08, E05B 47/00, B60S 1/34, 1/18, F16D 11/04**

(54) ● IMPROVED MULTI-FUNCTIONAL APPARATUS EMPLOYING AN ELECTROMAGNETIC DEVICE
● EQUIPEMENT MULTIFONCTION AMELIORE UTILISANT UN DISPOSITIF ELECTROMAGNETIQUE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Autoclub Drive, Dearborn, MI 48126 (US).

(72) **MAUE, H., Winston**; 21789 Glenwild Drive, Farmington Hills, MI 48167 (US). **KRUPP, Eric, J.**; 7695 Ridge Road, Canton, MI 48187 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19191** (13) A1

(21) PCT/NL98/00589

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) nl (26) en

(31) 1007276 (32) **14 Oct/oct 1997** (33) NL
(14.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60S 9/215**

(54) ● TRAILER FOR TRANSPORTING CONTAINERS, WHICH IS PROVIDED WITH TRANSVERSE POSITIONING MEANS
● REMORQUE POUR LE TRANSPORT DE CONTENEURS, A SYSTEME DE POSITIONNEMENT TRANSVERSAL

(71) **N.C.H. HYDRAULISCHE SYSTEMEN B.V.** [NL/NL]; P.O. Box 475, NL-7900 AL Hoogeveen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NLIJENHUIS, Derk** [NL/NL]; Pieter de Hooghstraat 3, NL-7901 CR Hoogeveen (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octroobureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19192** (13) A1

(21) PCT/EP98/06417

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) de (26) de

(31) 197 44 725.2 (32) **10 Oct/oct 1997** (33) DE
(10.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60T 8/00**

(54) ● METHOD FOR DETERMINING VEHICLE STATUS VARIABLES
● PROCEDE POUR DETERMINER DES VARIABLES D'ETAT DE VEHICULE

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FENNEL, Helmut** [DE/DE]; Feldbergstrasse 8, D-65812 Bad Soden (DE). **LATARNIK, Michael** [DE/DE]; Römerstrasse 7, D-61381 Friedrichsdorf (DE).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19193** (13) A1

(21) PCT/EP98/05245

(22) **18 Aug/août 1998 (18.08.1998)**

(25) de (26) de

(31) 197 45 278.7 (32) **15 Oct/oct 1997** (33) DE
(15.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60T 8/40, F15B 1/04, F04B 23/02, 17/04**

- (54) ● DEVICE FOR STORING AND DELIVERING FLUID UNDER PRESSURE
● DISPOSITIF POUR L'ACCUMULATION ET LE REFOULEMENT DE FLUIDE SOUS PRESSION

(71) **ITT MANUFACTURING ENTERPRISES, INC.** [US/US]; Suite 1217, 1105 North Market Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MUTSCHLER, Robert** [DE/DE]; Obergasse 44, D-64319 Pfungstadt (DE).

(74) **BLUM, Klaus-Dieter** et al. / etc.; ITT Automotive Europe GmbH, Guerickestrasse 7, D-60488 Frankfurt am Main (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19194** (13) A1

(21) PCT/EP98/06163

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) de (26) de

(31) 197 45 127.6 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B60T 13/72, 7/22**

- (54) ● PREVENTING THE COLLISION OF A VEHICLE WITH AN OBSTACLE
● DISPOSITIF ET PROCEDE POUR EMPECHER DES COLLISIONS ENTRE UN VEHICULE ET UN OBSTACLE

(71) **DAIMLER-BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D-70567 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUCHS, Alexander** [DE/DE]; Urbanstrasse 84, D-73728 Esslingen (DE). **KIESEWETTER, Wolfgang** [DE/DE]; Kantweg 3, D-71336 Waiblingen (DE). **KNOFF, Bernd** [DE/DE]; Osterfeldstrasse 8, D-73734 Esslingen (DE). **LAUER, Carsten** [DE/DE]; Römer Strasse 56, D-70180 Stuttgart (DE). **MAACK, Lorenz** [DE/DE]; Bunsenstrasse 42, D-71032 Böblingen (DE). **PFEIFLE, Eberhard** [DE/DE]; Wacholderweg 31, D-73547 Lorch (DE). **STEINER, Manfred** [DE/DE]; Handlandstrasse 11, D-71364 Winnenden (DE).

(74) **WEISS, Klaus** et al. / etc.; Daimler-Benz Aktiengesellschaft, FTP - C 106, D-70546 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19195** (13) A1

(21) PCT/US98/21204

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,978 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B61B 13/00**

- (54) ● EVACUATED TUBE TRANSPORT (ETT)
● TRANSPORT PAR TUBES SOUS VIDE

(71, 72) **OSTER, Daryl, G.** [US/US]; P.O. Box 1423, Crystal River, FL 34423-1423 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (a)

(11) **WO 99/19196** (13) A1

(21) PCT/FR98/01936

(22) **9 Sep/sep 1998 (09.09.1998)**

(25) fr (26) fr

(31) 97/12790 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B61L 29/24**

- (54) ● SIGNALLING DEVICE FOR HIGHWAY CROSSING OF RAILWAYS
● DISPOSITIF DE SIGNALISATION POUR UN CROISEMENT ENTRE UNE ROUTE ET UNE VOIE FERREE

(71, 72) **SIBAUD, Fernand, Paul** [FR/FR]; Route de l'Auberte, F-07200 Vesseaux (FR).

(81) AU CA JP NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (a)

(11) **WO 99/19197** (13) A1

(21) PCT/US98/17183

(22) **19 Aug/août 1998 (19.08.1998)**

(25) en (26) en

(31) 08/949,378 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62B 1/00, B62D 39/00, B65D 39/00, 6/16, 6/28, 85/68, 5/00, 25/34, 5/36, F16B 21/00, 35/00, 33/00**

- (54) ● COLLAPSIBLE SHIPPING CONTAINER
● CONTENEUR D'EXPEDITION

(71) **LICKTON'S SUPPLY CORPORATION** [US/US]; 310 Lake Street, Oak Park, IL 50302 (US).

(72) **LICKTON, Robert, J.**; 1612 78th Court, Elmwood Park, IL 60635 (US).

(74) **BLANKSTEIN, Michael, J.**; P.O. Box 4433, Houston, TX 77210 (US).

(81) CN DE GB.

(11) **WO 99/19198** (13) A1

(21) PCT/AU98/00214

(22) **30 Mar/mar 1998 (30.03.1998)**

(25) en (26) en

(31) PO 9807 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU

(31) PP 0590 (32) **27 Nov/nov 1997 (27.11.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62B 3/00, 5/04, 7/04, 9/08, B62D 7/14, 13/04**

- (54) ● STEERABLE LOAD-CARRYING ASSEMBLIES

- ENSEMBLE PORTE-CHARGE A DEPLACEMENT DIRIGE

(71) **IGC (AUSTRALIA) PTY. LTD.** [AU/AU]; 377 Williamstown Road, Yarraville, VIC 3013 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BIDWELL, Alan, Leslie** [AU/AU]; 377 Williamstown Road, Yarraville, VIC 3013 (AU).

(74) **NOONAN, Greg** et al. / etc.; Freehills Patent Attorneys, Level 47, 101 Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19199** (13) A1

(21) PCT/MX98/00047

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) es (26) es

(31) 977804 (32) **10 Oct/oct 1997 (10.10.1997)** (33) MX

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62D 21/02, 21/09**

- (54) ● IMPROVED ASSEMBLY OF STRUCTURAL BEAMS AND SUPPORTS FOR THE CHASSIS OF AUTOMOTIVE VEHICLES
● ENSEMBLE AMELIORE DE POUTRES ET DE SUPPORTS STRUCTURAUX POUR LE CHASSIS DE VEHICULES AUTOMOBILES

(71) **CONSORCIO G GRUPO DINA, S.A. DE C.V.** [MX/MX]; Tlacoquemecatl 41-6° piso, Colonia Del Valle, México, D.F. 03100 (MX).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MONDRAGON SARMIENTO, Francisco** [MX/MX]; Garzas 48, Colonia Arboledas, Atizapan, Edo. México 52967 (MX). **MIRANDA GUERRERO, Roberto** [MX/MX]; Mar del Néctar 17, Colonia Ciudad Brisa, Naucalpan, Edo. México 53280 (MX). **ESPINOSA RUIZ, Alejandro** [MX/MX]; Froylan 86, Colonia Morales, Pachuca, Hidalgo 42040 (MX). **GONZALEZ GUADARRAMA, Carlos** [MX/MX]; 2a. Cda. 2 de Abril 50/207, Rinconada de Atizapan, Atizapan, Edo. México 52967 (MX).

(74) **GONZALEZ BERLANGA, Héctor**; Séneca 35, Colonia Polanco, Delegación Miguel Hidalgo, México, D.F. 11560 (MX).

(81) BR CA CU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19200** (13) A1

(21) PCT/ES97/00247

(22) **10 Oct/oct 1997 (10.10.1997)**

(25) es (26) es

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62H 5/00**

- (54) ● ANTI-THEFT DEVICE FOR MOTOR VEHICLES WITH ACCELERATOR IN THE HANDLE OF THE HANDLEBAR

- DISPOSITIF ANTIVOL POUR VEHICULES A MOTEUR AVEC ACCELERATEUR DANS LA POIGNEE DU GUIDON
- (71, 72) **MARTINEZ FERNANDEZ, Fernando** [ES/ES]; Avenida Carlos III, 50-52 Letra I, 3^o-1^a, E-08028 Barcelona (ES). **FERNANDEZ NACARINO, Manuel** [ES/ES]; Avenida Carlos III, 50-52 Letra I, 3^o-1^a, E-08028 Barcelona (ES).
- (74) **URIZAR ANASAGASTI, José Antonio**; Puerto Rico 6A, Bajo, E-28016 Madrid (ES).
- (81) CN DE JP US.

(11) **WO 99/19201** (13) A1

(21) PCT/SE98/01837

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) sv (26) en

(31) 9703717-0 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62K 19/02**

- (54) ● A BICYCLE FRAME COMPONENT, A METHOD FOR THE MANUFACTURE THEREOF, AND A BICYCLE FRAME
- COMPOSANT DE CADRE DE BICYCLETTE, PROCEDE DE PRODUCTION DE CE COMPOSANT ET CADRE DE BICYCLETTE

(71, 72) **LARSSON, David** [SE/SE]; c/o Hulthén, Skulptörvägen 7, 7 tr., S-121 43 Johanneshov (SE).

(74) **BERGLUND, Stefan** et al. / etc.; Bjerkéns Patentbyrå KB, S-721 88 Västerås (SE).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA ÚG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19202** (13) A1

(21) PCT/US98/21726

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,860 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 60/062,620 (32) **22 Oct/oct 1997 (22.10.1997)** (33) US

(31) 60/070,044 (32) **30 Dec/déc 1997 (30.12.1997)** (33) US

(31) 09/109,362 (32) **2 Jul/juil 1998 (02.07.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B62M 1/04, B62K 3/00**

- (54) ● LINEAR DRIVING APPARATUS
- APPAREIL DE PROPULSION LINEAIRE

(71) **LINEAR BICYCLES, INC.** [US/US]; 2018 Winterwarm Road, Fallbrook, CA 92028 (US).

(72) **MILLER, Donald, C.**; 2018 Winterwarm Road, Fallbrook, CA 92028 (US).

(74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson and Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19203** (13) A1

(21) PCT/US97/17926

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B63B 25/00**

- (54) ● SHIP BASED GAS TRANSPORT SYSTEM
- SYSTEME DE TRANSPORT DE GAZ BASE SUR UN BATEAU

(71) **ENRON LNG DEVELOPMENT CORP.** [US/US]; 1400 Smith Street, Houston, TX 77002 (US).

(72) **STENNING, David, G.**; 611 46 Avenue S.W., Calgary, Alberta T2S 1B9 (CA). **CRAN, James, A.**; 625 Sifton Boulevard, S.W., Calgary, Alberta T2T 2K8 (CA).

(74) **ROBINS, W., Ronald**; Vinson & Elkins, L.L.P., 2300 First City Tower, 1001 Fannin Street, Houston, TX 77002-6760 (US).

(81) AU BR CA CN IL JP KR MX NO NZ PL RU SG TR TT VN; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19204** (13) A1

(21) PCT/KR98/00312

(22) **10 Oct/oct 1998 (10.10.1998)**

(25) en (26) en

(31) 1997/52172 (32) **10 Oct/oct 1997 (10.10.1997)** (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B63B 35/32, E02B 15/04**

- (54) ● APPARATUS FOR SKIMMING OIL SPILLED ON WATER AND METHOD THEREFOR
- APPAREIL PERMETTANT DE RECUPERER DU PETROLE BRUT REPANDU SUR DE L'EAU ET PROCEDE S'Y RAPPORTANT

(71, 72) **KIM, Won, Don** [KR/KR]; Samho Garden Apt., 2-1204, Woo-2 dong, 1104-1, Haewoondae-ku, Pusan (KR). **KIM, Seung, Tae** [KR/KR]; Sunwoo Apt., 404-1506, Pyungsan-li, 163, Woongsang-Eup, Yangsan, Kyungsang-NamDo (KR).

(74) **LEE, Hwa, Ik**; Young International Patent & Trademark Office, Daiheung Building, 4th floor, Suite 402, Youksam-dong, 648-23, Kangnam-ku, Seoul 135-080 (KR).

(81) DE FI JP NO US.

Published / Publiée : (c)

(11) **WO 99/19205** (13) A1

(21) PCT/FR98/02188

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/13070 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B63B 39/06**

- (54) ● DEVICE FOR STABILISING A SHIP'S TRIM ANCHORED OR ADRIFT
- DISPOSITIF POUR STABILISER L'ASSIETTE D'UN NAVIRE EN SITUATION DE MOUILLAGE OU DE DERIVE

(71, 72) **JULIAN, Yvon** [FR/FR]; Le Grand Lot 2, F-13720 Belcodene (FR).

(74) **CABINET ROMAN**; 35, rue Paradis, Boîte postale 2224, F-13207 Marseille Cedex 01 (FR).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19206** (13) A1

(21) PCT/US98/21602

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,145 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B63C 9/11**

- (54) ● LOW PROFILE SURVIVAL VEST
- ENSEMBLE GILET DE SAUVETAGE RELATIVEMENT PLAT

(71) **SIMULA INC.** [US/US]; 10016 S. 51st Street, Phoenix, AZ 85044 (US).

(72) **BRADLEY, Gary, F.**; 111 Glenwood Lane, Hendersonville, NC 28792 (US).

(74) **GOTTS, Lawrence, J.** et al. / etc.; Crowell & Moring LLP, 1001 Pennsylvania Avenue, N.W., Washington, DC 20004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19207** (13) A1

(21) PCT/FR98/02141

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) fr (26) fr

(31) 97/12632 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B63G 9/02**

- (54) ● DECOY FOR COUNTERING TORPEDOES WITH RESURFACING WAKE

- DISPOSITIF DE LEURRAGE A L'ENCONTRE DES TORPILLES A REMONTÉE DE SILLAGE
- (71) **ETIENNE LACROIX TOUS ARTIFICES S.A.** [FR/FR]; 6, boulevard de Joffrey, F-31600 Muret (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GUELOU, Yann** [FR/FR]; 32, rue Jean Jaurès, F-31600 Muret (FR). **MOURRY, Philippe** [FR/FR]; 29, chemin de Pecette, F-31520 Ramonville Saint Agne (FR). **GILLOT, Christine** [FR/FR]; 13, rue Pierre Cornus, F-31600 Muret (FR).
- (74) **MARTIN, Jean-Jacques** et al. / etc.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

- (11) **WO 99/19208** (13) A1
- (21) PCT/US98/21398
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/949,021 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **B63H 3/08, B64C 11/42 // F04D 29/18, F01D 7/00, F03D 7/02**
- (54) ● VARIABLE PITCH MARINE PROPELLER
● HELICE MARINE A PAS VARIABLE
- (63) US 08/949,021 (CON)
10 Oct/oct 1997 (10.10.1997)
- (71, 72) **ELLIOTT, Morris, C.** [US/US]; 11723 Norino Drive, Whittier, CA 90601 (US).
- (74) **SECCOMBE, Stephen, R.**; Sheldon & Mak, Suite 503, 290 North "D" Street, San Bernardino, CA 92401 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19209** (13) A1
- (21) PCT/JP98/04562
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) ja (26) ja
- (31) 9/277077 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
- (31) 9/277078 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
- (31) 10/87832 (32) **1 Apr/avr 1998 (01.04.1998)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **B63H 11/01**
- (54) ● CLOSURE PREVENTIVE DEVICE FOR WATER JET PROPULSION TYPE OUTBOARD MOTOR
● DISPOSITIF ANTI-FERMETURE DESTINE A DES MOTEURS HORS-BORD AMOVIBLES DE TYPE A PROPULSION PAR JET D'EAU
- (71) **ISHIGAKI COMPANY LIMITED** [JP/JP]; 1-1, Kyobashi 1-chome, Chuou-ku, Tokyo 104-0031 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ISHIGAKI, Eiichi** [JP/JP]; 5-9, Komadome-cho 2-chome, Sakaide-shi, Kagawa-ken 762-0032 (JP).
- (74) **MIYOSHI, Hidekazu**; 2-3, Toranomon 1-chome, Minato-ku, Tokyo 105-0001 (JP).
- (81) AU CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19210** (13) A1

(21) PCT/US98/16622

(22) **10 Aug/août 1998 (10.08.1998)**

(25) en (26) en

(31) 08/949,461 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B64B 1/24, B64C 74/34, B64D 27/00, H01R 31/08**

- (54) ● VIBRATION MONITORING SYSTEM FOR MULTIPLE AIRCRAFT ENGINES
● DISPOSITIF DE MESURE DES VIBRATIONS POUR MULTIPLES MOTEURS D'AERONEF

(71) **ENDEVCO CORPORATION** [US/US]; 30700 Rancho Viejo Road, San Juan Capistrano, CA 92675 (US).(72) **KAROLYS, Alexis, G.**; 302 Calle Paisano, San Clemente, CA 92673 (US). **GENKUONG, Fernando, F.**; 28561 Murrelet Drive, Laguna Niguel, CA 92677 (US).(74) **BRUNDA, Bruce, B.** et al. / etc.; Stetina Brunda Garred & Brucker, Suite 401, 24221 Calle de la Louisa, Laguna Hills, CA 92653 (US).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (a)

(11) **WO 99/19211** (13) A1

(21) PCT/US98/21844

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,478 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US(31) 60/062,481 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B64G 1/10**

- (54) ● METHOD OF CONTROLLING ACCELERATION OF A SPACECRAFT REENTERING THE ATMOSPHERE TO ACCOMMODATE ADVENTURE TRAVELERS
● PROCEDE DE REGULATION DE L'ACCELERATION D'UN VAISSEAU SPATIAL RENTRANT DANS L'ATMOSPHERE, AFIN DE SATISFAIRE DES VOYAGEURS AVENTUREUX

- (71) **VELA TECHNOLOGY DEVELOPMENT, INC.** [US/US]; 520 Huntmar Park Drive, Herndon, VA 22070 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BALLARD, Robert, H.** [US/US]; 9301 Santayana Drive, Fairfax, VA 22031 (US). **HUNTER, Maxwell, W., II** [US/US]; 3165 La Mesa Drive, San Carlos, CA 94070 (US). **JURMAIN, Richard, N.** [US/US]; 234 Roosevelt Avenue, Eau Claire, WI 54701 (US). **KELLEY, Charles, P.** [US/US]; 1822 Abbotsford Drive, Vienna, VA 22182 (US).
- (74) **SHERRILL, Michael, S.**; Michael S. Sherrill Law Offices, Suite 200, 4756 Banning Avenue, White Bear Lake, MN 55110-3202 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19212** (13) A1

(21) PCT/US98/19879

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 60/061,672 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US(31) 09/154,396 (32) **16 Sep/sep 1998 (16.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B64G 1/50, 1/00, F28F 1/00**

- (54) ● AFT DEPLOYABLE THERMAL RADIATORS FOR SPACECRAFT
● RADIATEURS THERMIQUE DEPLOYABLES A L'ARRIERE POUR ENGIN SPATIAL

(71) **SPACE SYSTEMS/LORAL, INC.** [US/US]; 3825 Fabian Way, Palo Alto, CA 94303 (US).(72) **PON, Randy**; 2708 Ulloa Street, San Francisco, CA 94116 (US).(74) **GREEN, Clarence, A.**; Perman & Green, LLP, 425 Post Road, Fairfield, CT 06430 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19213** (13) A2

(21) PCT/US98/21589

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061,893 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65B**

- (54) ● ASSEMBLY FOR SPLICING MULTIPLE SCREENED CABLES
● ENSEMBLE EPISSURE DE PLUSIEURS CABLES BLINDES

(71) **BERG TECHNOLOGY, INC.** [US/US]; One East First Street, Reno, NV 89501 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEESON, Anthony, M.** [GB/NL]; Handelskade 7, NL-5211 TH s'Hertogenbosch (NL).

(74) **LONG, Daniel, J.** et al. / etc.; 825 Old Trail Road, Eiters, PA 17319 (US).

(81) CN JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19214** (13) A1

(21) PCT/US98/21356

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/063,475 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65B 1/24, 35/54**

(54) ● HIGH DENSITY COMBINATION DRY HAY AND HAYLAGE/SILAGE LIVESTOCK FEED-MAKING APPARATUS

● APPAREIL DE PRODUCTION D'ALIMENTS POUR BETAIL CONSTITUES D'UNE COMBINAISON HAUTE DENSITE DE FOIN SEC ET DE PRODUITS D'ENSILAGE (MI-FANES)

(71) **A.C.X. TRADING, INC.** [US/US]; 5691 Vantage Highway, P.O. Box 188, Ellensburg, WA 98926 (US).

(72) **GOMBOS, John, M.**; 5595 Vantage Highway, Ellensburg, WA 98926 (US). **LEASHNO, Moshe**; 2350 West 17th Street, Long Beach, CA 90813 (US).

(74) **OLSTER, Kathleen, M.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19215** (13) A1

(21) PCT/US98/21059

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/949,047 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65B 1/36**

(54) ● POWDER FILLING APPARATUS AND METHOD

● APPAREIL ET PROCEDE DE REMPLISSAGE POUR POUVRE

(71) **INHALE THERAPEUTIC SYSTEMS** [US/US]; 150 Industrial Road, San Carlos, CA 94070 (US).

(72) **STOUT, Gordon**; 401 Evelyn #27, Albany, CA 94706 (US). **PHAM, Xuyen**; 114 Lurene Drive, Fremont, CA 94541 (US). **ROCCHIO, Michael, J.**; 2542 Jacob Street, Hayward, CA 94541 (US). **NAYDO, Kyle, A.**; 902 Rockerfeller Drive, 3A, Sunnyvale, CA 94087 (US). **PARKS, Derrick, J.**; 1535 White Oak Way, San Carlos, CA 94070 (US). **REICH, Patrick**; 1555 W. Hillsdale Boulevard #110, San Mateo, CA 94402 (US).

(74) **HESLIN, James, M.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19216** (13) A1

(21) PCT/FI98/00285

(22) **30 Mar/mar 1998 (30.03.1998)**

(25) fi (26) en

(31) 973923 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FI

(31) 980709 (32) **27 Mar/mar 1998 (27.03.1998)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65B 51/10, B29C 65/18, 65/74**

(54) ● A METHOD FOR TREATING PLASTIC FILM AND A DEVICE IN A WRAPPING MACHINE

● PROCEDE ET DISPOSITIF DE TRAITEMENT D'UN FILM PLASTIQUE DANS UNE MACHINE D'EMBALLAGE

(71) **UNITED PACKAGING PLC** [GB/GB]; Dewsbury Road, Cleckheaton, West Yorkshire BD19 5BQ (GB).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HERAVA, Ismo** [FI/FI]; Ripikatu 5 C 13, FIN-21110 Naantali (FI).

(74) **PATENTITOIMISTO KARI PIRHONEN OY**; P.O. Box 71, FIN-20101 Turku (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(11) **WO 99/19217** (13) A1

(21) PCT/US98/21179

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,340 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 1/02, B29C 49/22**

(54) ● MULTILAYER PLASTIC CONTAINER AND METHOD OF MAKING THE SAME

● CONTENEUR EN PLASTIQUE MULTICOUCHE ET PROCEDE DE FABRICATION DE CELUI-CI

(63) US Not furnished / non communiqué (CON)
Not furnished / non communiquée

(71) **AMERICAN NATIONAL CAN COMPANY** [US/US]; 8770 West Bryn Mawr Avenue, Chicago, IL 60631 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RASHID, A., B., M., Bazlur** [US/US]; 2173 Bramblewood Court, Neenah, WI 54956 (US). **CURIE, Kevin, James** [US/US]; 2174 Sunrise Drive, Appleton, WI 54914 (US). **BUSHMAN, Patrick, Carl** [US/US]; 945 Gail Avenue, Neenah, WI 54956 (US). **WAMPLER, Michael, Lewis** [US/US]; 817 Sixth Street, Menasha, WI 54952 (US).

(74) **BISBIKIS, John, G.** et al. / etc.; McDermott, Will & Emery, Suite 4400, 227 West Monroe Street, Chicago, IL 60606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19218** (13) A1

(21) PCT/US98/21321

(22) **10 Oct/oct 1998 (10.10.1998)**

(25) en (26) en

(31) 08/949,174 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 5/00, 5/28**

(54) ● FOLDABLE TOTE BOX

● BOITE FOURRE-TOUT PLIANTE

(71) **MERRYLAND PRODUCTS, INC.** [US/US]; Suite 300A, 2100 N. Highway 360, Grand Prairie, TX 75050 (US).

(72) **CHU, Lawrence, H., Y.**; Apartment 330, 2175 N. Highway 360, Grand Prairie, TX 75050 (US).

(74) **SHA, Jie**; Suite 3504, 195 N. Harbor Drive, Chicago, IL 60601 (US).

(81) BR CA CN JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19219** (13) A1

(21) PCT/GB98/03028

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721318.5 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 19/00, 90/20, 25/04, B65B 5/10**

(54) ● MECHANICALLY HANDLING FLOWABLE MATERIAL

● MANUTENTION MECANIQUE DE MATERIAUX COULANTS

(71, 72) **FARR, Kenneth** [GB/GB]; 3 Victoria Lane, Golcar, Huddersfield, West Yorkshire HD7 4JC (GB).

(74) **LONG, Edward, Anthony** et al. / etc.; Hulse & Co., 8th floor, St. James House, Vicar Lane, Sheffield, South Yorkshire S1 2EX (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19220** (13) A1
 (21) PCT/AU98/00836
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) PO 9650 (32) **8 Oct/oct 1997 (08.10.1997)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 19/38, 77/06, 77/22, 90/58**
 (54) ● A LINER BAG NOZZLE RETAINER
 ● DISPOSITIF DE RETENUE POUR EMBOUT D'UN SAC DOUBLE
 (71, 72) **KARPISEK, Ladislav, Stephan** [AU/AU]; 86 Woodfield Boulevard, Caringbah, NSW 2229 (AU).
 (74) **HALLIDAY, Robert**; 44 Ashley Street, Hornsby, NSW 2077 (AU).
 (81) CA CN JP MX NZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19221** (13) A1
 (21) PCT/US98/21490
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/949,465 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 25/08**
 (54) ● TWO-COMPARTMENT PACKAGE
 ● EMBALLAGE A DEUX COMPARTIMENTS
 (71) **BIOGALIA BIOLOGICS AB** [SE/SE]; P.O. Box 23128, S-104 35 Stockholm (SE).

(71, 72) **MOLLSTAM, Bo** [SE/SE]; P.O. Box 23128, S-104 35 Stockholm (SE). **CASAS, Ivan, A.** [US/US]; 4916 North Hills Drive, Raleigh, NC 27612 (US).
 (74) **BARBER, Lynn, E.**; P.O. Box 6450, Raleigh, NC 27628 (US).
 (81) AU CA IL JP KR MX NO NZ SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19222** (13) A1
 (21) PCT/GB98/02993
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 9721430.8 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 30/24, 75/58**

(54) ● IMPROVED DISPENSER BAG
 ● SAC DE DISTRIBUTION AMELIORE
 (71) **BETTIX LIMITED** [GB/GB]; Lever Street, Bolton, Lancashire BL3 6NZ (GB).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **ANDREWS, Colin, Lee** [GB/GB]; 372 Manchester Road, Clifton, Swinton, Manchester M27 6NE (GB).

(74) **BARKER BRETTELL**; 138 Hagley Road, Edgbaston, Birmingham B16 9PW (GB).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19223** (13) A1
 (21) PCT/IB98/01554
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 08/948,411 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 33/16**
 (54) ● HINGED CLIP
 ● CLIP ARTICULE
 (71, 72) **FOLKMAR, Jan** [DK/CH]; Chalet Arnika, CH-7050 Arosa (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19224** (13) A1
 (21) PCT/GB98/03005
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 9721423.3 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 33/25, 19/44**
 (54) ● REUSABLE PACKAGING
 ● EMBALLAGE REUTILISABLE
 (71, 72) **DAVIES, Heather, Janet** [GB/GB]; 19 Paddock Lane, Kettleshulme, Cheshire SK12 7RD (GB).
 (74) **ARMITAGE, Ian, M.** et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).

(81) AL AM AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ (Utility model / modèle d'utilité) DE (Utility model / modèle d'utilité) DK (Utility model / modèle d'utilité) EE ES (Utility model / modèle d'utilité) FI (Utility model / modèle d'utilité) GB GE GH GM HU ID IL IS JP (Utility model / modèle d'utilité) KE KG KP KR (Utility model / modèle d'utilité) KZ LC LK LR LS LT LU LV MD MG MK MN MW MX (Utility model / modèle d'utilité) NO NZ PL (Utility model / modèle d'utilité) PT (Utility model / modèle d'utilité) RO RU SD SE SG SI SK (Utility model / modèle d'utilité) SL TJ TM TR (Utility model / modèle d'utilité) TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19225** (13) A1
 (21) PCT/US97/18888
 (22) **14 Oct/oct 1997 (14.10.1997)**
 (25) en (26) en
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 41/34**
 (54) ● SPILL-REDUCTION CAP FOR FLUID CONTAINER
 ● BOUCHON REDUISANT LES FUITES, POUR RECIPIENT A FLUIDE
 (71) **PORTOLA PACKAGING, INC.** [US/US]; 890 Faulstich Court, San Jose, CA 95112 (US).

(72) **ADAMS, Brian, M.**; 890 Faulstich Court, San Jose, CA 95112 (US). **PHAM, Hoa**; 890 Faulstich Court, San Jose, CA 95112 (US). **LUCH, Daniel**; 890 Faulstich Court, San Jose, CA 95112 (US).
 (74) **CAPLAN, Julian** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA 94111-4187 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

Published / Publiée : (b)

(11) **WO 99/19226** (13) A1
 (21) PCT/GB98/03054
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 197 44 955.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 43/16, 51/20, 1/36**
 (54) ● RECLOSABLE FOOD PACKAGING
 ● EMBALLAGE REFERMABLE POUR PRODUITS ALIMENTAIRES
 (71) **BERNARD MATTHEWS PLC** [GB/GB]; Great Witchingham Hall, Great Witchingham, Norwich, Norfolk NR9 5QD (GB).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **MATTHEWS, Bernard, Trevor** [GB/GB]; Great Witchingham Hall, Great Witchingham, Norwich, Norfolk NR9 5QD (GB). **JOLL, David**,

John [GB/GB]; Irmingland Hall, Corpusty Norfolk NR11 6QF (GB). **FRIEDRICH, Büse** [DE/DE]; Butjadinger Strasse 139, D-26125 Oldenburg (DE). **WITTKOWSKI, Thomas** [DE/DE]; Am Forsthaus Streek 14, D-26209 Hatten-Sandkrug (DE).

(74) **CRUMP, Julian, Richard, John** et al. / etc.; fJ Cleveland, 40-43 Chancery Lane, London WC2A 1JQ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19227** (13) A1

(21) PCT/JP98/04629

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) ja (26) ja

(31) 9/282148 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(31) 10/199310 (32) **14 Jul/juil 1998 (14.07.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 43/16, 83/08, A47K 7/00**

(54) ● FREELY OPENABLE CONTAINER

● CONTENANT A OUVERTURE LIBRE

(71) **UNI-CHARM CORPORATION** [JP/JP]; 182, Shimobun, Kinsei-cho, Kawanoe-shi, Ehime 799-0111 (JP). **DAI NIPPON PRINTING CO., LTD.** [JP/JP]; 1-1, Ichigaya-Kaga-cho 1-chome, Shinjuku-ku, Tokyo 162-8001 (JP). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BANDO, Takeshi** [JP/JP]; 3412-2, Kunita-Cho-Otsu, Kanonji-Shi, Kagawa 768-0040 (JP). **TANAKA, Yoshikazu** [JP/JP]; 632-13, Hiratsuka, Nakadai-cho, Kanonji-shi, Kagawa 768-0024 (JP). **KAMEDA, Katsumi** [JP/JP]; Dai Nippon Printing Co., Ltd., 1-1, Ichigaya-Kaga-cho 1-chome, Shinjuku-ku, Tokyo 162-8001 (JP). **HAYASHI, Masaho** [JP/JP]; Dai Nippon Printing Co., Ltd., 1-1, Ichigaya-Kaga-cho 1-chome, Shinjuku-ku, Tokyo 162-8001 (JP). **SHINOGLI, Norikazu** [JP/JP]; Dai Nippon Printing Co., Ltd., 1-1, Ichigaya-Kaga-cho 1-chome, Shinjuku-ku, Tokyo 162-8001 (JP).

(74) **SATO, Kazuo** et al. / etc.; Kyowa Patent & Law Office, Fuji Building, Room 323, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).

(81) AU BR CA CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19228** (13) A1

(21) PCT/GB98/03040

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721568.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 51/16, 41/04**

(54) ● CLOSURE ASSEMBLY FOR PRESSURIZED CONTAINERS

● SYSTEME DE FERMETURE POUR RECIPIENTS SOUS PRESSION

(71) **BEESON AND SONS LIMITED** [GB/GB]; Hertford Place, Denham Way, Rickmansworth, Hertfordshire WD3 2XB (GB). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KING, Roger, Milner** [GB/GB]; White End Park Farm, Latimer, Buckinghamshire HP5 1UL (GB).

(74) **JAMES, Anthony, Christopher, W., P.**; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19229** (13) A1

(21) PCT/IB98/01428

(22) **16 Sep/sep 1998 (16.09.1998)**

(25) en (26) en

(31) 9/291853 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 65/42, C23C 16/30, 16/54, B32B 27/08**

(54) ● PACKAGING LAMINATE WITH GAS AND AROMA BARRIER PROPERTIES

● STRATIFIE D'EMBALLAGE DOTE DE PROPRIETES BARRIERE AU GAZ ET A L'AROME

(71) **TETRA LAVAL HOLDINGS & FINANCE, S.A.** [CH/CH]; 70, avenue Général-Guisan, CH-1009 Pully (CH). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FAYET, Pierre** [CH/CH]; 13, avenue Dapples, CH-1006 Lausanne (CH). **LETERRIER, Yves** [CH/CH]; 39, avenue de Montoie, CH-1007 Lausanne (CH).

(74) **FORSBERG, Lars-Ake**; AB Tetra Pak, Patent Dept., Ruben Rausing's gata, S-221 86 Lund (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19230** (13) A1

(21) PCT/US98/21923

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,885 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 75/00**

(54) ● MULTI-PACK CARRIER FOR MOLDED BOTTLES AND CONTAINERS

● SUPPORT MULTIPACK POUR BOUTEILLES ET RECIPIENTS MOULES

(71) **ECO-PAK PRODUCTS, INC.** [US/US]; 10809 Forest Path, St. Louis, MO 63128 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GALBIERZ, Richard, T.** [US/US]; 10809 Forest Path, St. Louis, MO 63128 (US). **GALBIERZ, Michael, A.** [US/US]; 5962 Pennbrooke Drive, St. Louis, MO 63129 (US).

(74) **SOIFER, Jonathan, P.**; Polster, Lieder, Woodruff & Lucchesi, 763 South New Ballas Road, St. Louis, MO 63141 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19231** (13) A1

(21) PCT/EP98/05563

(22) **2 Sep/sep 1998 (02.09.1998)**

(25) de (26) de

(31) 197 45 444.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 75/32, 8/22, B29C 65/02**

(54) ● PACKING DRUM MADE UP OF HALF-SHELLS, METHOD FOR MAKING A PACKAGE FROM SAME, AND DEVICE FOR PRODUCING SAID PACKING DRUM

● FUT CONSTITUEE DE DEMI-COQUES, PROCEDE DE REALISATION D'UN EMBALLAGE A PARTIR D'UN TEL FUT, ET DISPOSITIF DE PRODUCTION DUDIT FUT

(71) **TETRA LAVAL HOLDINGS & FINANCE S.A.** [CH/CH]; Avenue Général-Guisan 70, CH-1009 Pully (CH). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REIL, Wilhelm** [DE/DE]; Altengafweg 16, D-64625 Bensheim (DE). **BUB, Heiko** [DE/DE]; Gaustrasse 77, D-55294 Bodenheim (DE). **WIESE, Gerhard** [DE/DE]; Ganghoferstrasse 51, D-83451 Piding (DE). **CREPAZ, Johannes** [AT/AT]; Genzstrasse 37, A-5072 Siezenheim (AT).

(74) **WEBER, D.** et al. / etc.; Gustav-Freytag-Strasse 25, Postfach 61 45, D-65051 Wiesbaden (DE).

(81) AU BR FI JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19232** (13) A2

(21) PCT/IL98/00494

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 121985 (32) **14 Oct/oct 1997 (14.10.1997)** (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65D 79/02**

(54) ● A MILK PRODUCT PACKAGE

- CONDITIONNEMENT POUR PRODUITS LAITIERS
- (71, 72) **CARMEL, Avi** [IL/IL]; Ben Zacay Street 6, 93158 Jerusalem (IL). **LIBERMAN, Amir** [IL/IL]; Hzioporen Street 3, 93895 Jerusalem (IL). **LEV ARI, Amit** [IL/IL]; Anilevich Street 4, 96624 Jerusalem (IL).
- (74) **NOAM, Meir**; P.O. Box 34335, 91342 Jerusalem (IL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
-
- (11) **WO 99/19233** (13) A1
 (21) PCT/US98/21540
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/950,278 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 81/34, 75/58**
- (54) ● MICROWAVE POPCORN PREPARATION AND SERVING PACKAGE
 ● EMBALLAGE PERMETTANT DE PREPARER DU POP-CORN AUX MICRO-ONDES ET DE LE SERVIR
- (71) **HUNT-WESSON, INC.** [US/US]; 1645 West Valencia Drive, Fullerton, CA 92833 (US).
- (72) **SCRIMAGER, Cynthia**; 2018 S. Gail Lane, Anaheim, CA 92802 (US).
- (74) **JAMES, J., Christopher** et al. / etc.; Pretty, Schroeder & Poplawski, 19th floor, 444 South Flower Street, Los Angeles, CA 90071 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/19234** (13) A1
 (21) PCT/FR98/02185
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) fr (26) fr
 (31) 97/12773 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 83/14, F16L 23/22**
- (54) ● SEALING JOINT FOR VALVE OR PUMP
 ● JOINT D'ETANCHEITE POUR UNE VALVE OU POMPE
- (71) **VALOIS S.A.** [FR/FR]; Le Prieuré, Boîte postale G, F-27110 Le Neubourg (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **TCHEREVATCHENKOFF, André** [FR/FR]; 19, rue Jacques Vessely, F-63500 Issoire (FR).
- (74) **CAPRI S.A.R.L.**; 94, avenue Mozart, F-75016 Paris (FR).
- (81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19235** (13) A1
 (21) PCT/FR98/02186
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) fr (26) fr
 (31) 97/12773 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR
 (31) 98/00440 (32) **16 Jan/jan 1998 (16.01.1998)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 83/14, F16L 23/22, A61K 9/00**
- (54) ● VALVE SEALING JOINT
 ● JOINT D'ETANCHEITE POUR UNE VALVE
- (71) **VALOIS S.A.** [FR/FR]; Le Prieuré, Boîte postale G, F-27110 Le Neubourg (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **TCHEREVATCHENKOFF, André** [FR/FR]; 19, rue Jacques Vessely, F-63500 Issoire (FR).
- (74) **CAPRI S.A.R.L.**; 94, avenue Mozart, F-75016 Paris (FR).
- (81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19236** (13) A1
 (21) PCT/US98/21795
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 60/061,564 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65D 88/54, G01F 11/06, 11/30, 11/36**
- (54) ● UNIT DOSE DISPENSE PACKAGE
 ● CONDITIONNEMENT DE DISTRIBUTION DE DOSE UNITAIRE
- (71) **LOCTITE CORPORATION** [US/US]; Hartford Square North, Ten Columbus Boulevard, Hartford, CT 06106 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MONTENIERI, Robert, E.** [US/US]; 55 Yorktown Road, Southingtown, CT 06489 (US).
TREMLEY, Gary [US/US]; 24 Bohemia Street, Plainville, CT 06062 (US).
SUMMERS, Robert, M. [US/US]; 200 Knox Boulevard, Middletown, NY 06457 (US).
- (74) **SCOLA, Daniel, A., Jr.** et al. / etc.; HOFFMANN & BARON, LLP, 350 Jericho Turnpike, Jericho, NY 11753 (US).
- (81) AU BR CA CN DE JP KR MX RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19237** (13) A1
 (21) PCT/US98/21873
 (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
 (31) 08/951,998 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65F 3/20**
- (54) ● REFUSE COLLECTION VEHICLE
 ● VEHICULE DE COLLECTE DES ORDURES
- (71, 72) **STRAGIER, Marcel, G.** [US/US]; 8201 East Monterey, Scottsdale, AZ 85251 (US).
- (74) **PARSONS, Robert, A.**; Suite 260, 340 East Palm Lane, Phoenix, AZ 85004 (US).
- (81) DE GB SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19238** (13) A1
 (21) PCT/US98/21535
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/948,448 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65G 13/00**
- (54) ● DEAD SHAFT IDLER
 ● ROULEAU FOU A AXE FIXE
- (71) **ENGINEERED METALS CORPORATION** [US/US]; 3672 Ridge Road, Deerfield, WI 53531 (US).
- (72) **COUILLARD, Cal**; 3672 Ridge Road, Deerfield, WI 53531 (US).
- (74) **WELCH, Teresa, J** et al. / etc.; Stroud, Stroud, Willink, Thompson & Howard, Suite 300, 25 West Main Street, P.O. Box 2236, Madison, WI 53701-2236 (US).
- (81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- Published / Publiée : (c)
-
- (11) **WO 99/19239** (13) A1
 (21) PCT/DK98/00421
 (22) **30 Sep/sep 1998 (30.09.1998)**
 (25) da (26) en
 (31) 1159/97 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DK
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **B65G 19/20, 19/22, 19/14**
- (54) ● CHAIN CONSISTING OF INTERLOCKING WIRE LINKS FOR A SCRAPER CONVEYOR
 ● CHAINE FORMEE DE MAILLONS DE CABLES RELIES POUR UN TRANSPORTEUR A RACLETTES
- (71) **A/S DANSK STALDINDUSTRI** [DK/DK]; Kirkevænget 5, Gjellerup, DK-7400 Herning (DK).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **FRYDKJÆR, John** [DK/DK]; Stenvej 16, Humlum, DK-7600 Struer (DK).
- (74) **HOFMAN-BANG & BOUTARD, LEHMANN & REE A/S**; Ryesgade 3, P.O. Box 367, DK-8100 Aarhus C (DK).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19240** (13) A1

(21) PCT/FR98/02164

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) fr (26) fr

(31) 97/13008 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65G 39/04, 39/14, 39/09**

(54) ● INTEGRATED DEVICE LINKING CONSECUTIVE ELEMENTARY ROLLERS PROVIDING CURVILINEAR SUPPORT TO FLEXIBLE ENDLESS CONVEYOR BELT
● DISPOSITIF INTEGRE DE LIAISON ENTRE ROULEAUX ELEMENTAIRES CONSECUTIFS DE SUPPORT CURVILIGNE POUR BANDE TRANSPORTEUSE SOUPLE SANS FIN D'UN CONVOYEUR

(71) **DAVID S.A.** [FR/FR]; 2, rue E. Deschanel, F-42026 Saint Etienne Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VALCADA, Florent** [FR/FR]; 81, rue Nationale, F-95000 Vaureal (FR).

(74) **DUPUIS, François** et al. / etc.; Cabinet Laurent & Charras, 3, place de l'Hôtel de Ville, Boîte postale 203, F-42005 Saint Etienne Cedex (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19241** (13) A2

(21) PCT/IT98/00274

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) PC97A000030 (32) **14 Oct/oct 1997 (14.10.1997)** (33) IT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65H**

(54) ● PNEUMATIC CLAMPING MANDREL FOR CORELESS WEB WINDING MACHINES AND POSITIONING DEVICE THEREOF
● MANDRIN DE SERRAGE PNEUMATIQUE POUR MACHINES D'EMBOBINAGE DE BANDE A AME CREUSE ET DISPOSITIF DE POSITIONNEMENT ASSOCIE

(71) **OFFICINA MECCANICA PRATI PIETRO** [IT/IT]; Via Filetto Est, 5, I-50034 Marradi (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PRATI, Pietro** [IT/IT]; Via Filetto Est, 5, I-50034 Marradi (IT).

(74) **FARNESE, Giuseppe**; Studio Brevetti Internazionale, Via S. Marco, 10, I-29100 Piacenza (IT).

(81) AU CA CN JP KP SG US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19242** (13) A1

(21) PCT/US98/20396

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(31) 08/949,090 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B65H 19/26**

(54) ● CONTINUOUS WINDER
● ENROULEUR CONTINU

(71) **BLACK CLAWSON COMPANY, INC.** [US/US]; 61st floor, 405 Lexington Avenue, New York, NY 10174 (US).

(72) **HOULD, Daniel, F.**; 82 Kingdom Road, Oswego, NY 13126 (US). **WALSH, Thomas, J., III**; 5 Koenig Court, Auburn, NY 13021 (US). **MOELLER, Robert, F.**; 8828 Wandering Way, Baldwinsville, NY 13027 (US).

(74) **HENDERSON, Gilbert, N.** et al. / etc.; Biebel & French, 35 East First Street, Dayton, OH 45402 (US).

(81) BR CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19243** (13) A1

(21) PCT/FI98/00790

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 973928 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FI

(31) 973927 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B66B 1/20**

(54) ● CONTROL METHOD FOR AN ELEVATOR GROUP
● PROCEDE DE COMMANDE D'UN GROUPE D'ASCENSEURS

(71) **KONE CORPORATION** [FI/FI]; Kartanontie 1, FIN-00330 Helsinki (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SIKKONEN, Marja-Liisa** [FI/FI]; Sotkatie 4 A 2, FIN-00200 Helsinki (FI).

(74) **KONE CORPORATION**; Patent Dept., P.O. Box 677, FIN-05801 Hyvinkää (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19244** (13) A1

(21) PCT/AT98/00242

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) A 1752/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B66B 9/187**

(54) ● RACK HOIST
● ASCENSEUR A CREMAILLERE

(71) **EBBS & RADINGER MASCHINENHANDELS- UND ERZEUGUNGSGESELLSCHAFT MBH** [AT/AT]; Ruthnergasse 28, A-1213 Wien (AT).

(72) **HEISSENBERGER, Siegfried**; Schüttauplatz 21/11, A-1220 Wien (AT).

(74) **WILDHACK, Helmut** et al. / etc.; Landstraßer Hauptstraße 50, A-1030 Wien (AT).

(81) ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19245** (13) A1

(21) PCT/GB97/02829

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B66D 1/00, 1/36**

(54) ● VEHICLE WINCH ARRANGEMENT
● ENSEMBLE TREUIL DE VEHICULE

(71, 72) **FOERS, John, Arthur** [GB/GB]; Foers Engineering, Gateway Industrial Estate, The Gateway, Parkgate, Rotherham, South Yorkshire S62 6JZ (GB).

(74) **MURGATROYD, Susan, Elizabeth** et al. / etc.; Baron & Warren, 18 South End, Kensington, London W8 5BU (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19246** (13) A2

(21) PCT/DE98/02424

(22) **19 Aug/août 1998 (19.08.1998)**

(25) de (26) de

(31) 297 14 890.7 (32) **20 Aug/août 1997 (20.08.1997)** (33) DE

(31) 298 00 668.5 (32) **16 Jan/jan 1998 (16.01.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B66F**

(54) ● AUXILIARY DRIVE SYSTEM TO RECEIVE DEFECTIVE WHEELS, ESPECIALLY DEFECTIVE AUTOMOBILE WHEELS

- DISPOSITIF AUXILIAIRE PERMETTANT L'EVACUATION D'UN VEHICULE, DESTINE A RECEVOIR UNE ROUE DEFECTUEUSE, EN PARTICULIER UNE ROUE DEFECTUEUSE D'UN VEHICULE A MO-TEUR

(71, 72) **KRÜGER, Cornelia** [DE/DE]; Dorfstrasse 80, D-17111 Wotenick (DE).

(74) **VINCK, Kai** et al. / etc.; Vinck & Hertin, Umlandstrasse 173/174, D-10719 Berlin (DE).

(81) PL (Utility model / modèle d'utilité); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19247** (13) A1

(21) PCT/NO98/00306

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) no (26) en

(31) 19974725 (32) **13 Oct/oct 1997 (13.10.1997)** (33) NO

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B66F 7/00 // A61G 7/012**

- TELESCOPIC SUPPORTING COLUMN
- COLONNE DE SUPPORT TELESCOPIQUE

(71, 72) **BRAATHEN, Thor, Frølich** [NO/NO]; N-3359 Eggedal (NO).

(74) **REISTAD, Gunnar, O.**; Bryns Patentkontor a/s, P.O. Box 765, Sentrum, N-0106 Oslo (NO).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19248** (13) A1

(21) PCT/KR98/00308

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 1997/51749 (32) **9 Oct/oct 1997 (09.10.1997)** (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **B68G 5/00, A47G 9/00**

- HEAD SUPPORTING DEVICE PLACED ON OR AROUND ARM
- DISPOSITIF REPOSE-TÊTE PLACE SUR OU AUTOUR D'UN BRAS

(71, 72) **KOO, Ja-Ick** [KR/KR]; Mokryeon Apt. 807-2001, 1053-4, Beomye-dong, Dongan-ku, Anyang-city, Kyungki-do 431-085 (KR).

(74) **KIM, Won-Ho**; 702, Teheran Boulevard, 825-33, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19249** (13) A1

(21) PCT/EP98/06653

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 97308154.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP

(31) 98304141.9 (32) **26 May/mai 1998 (26.05.1998)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C01B 3/00, 3/38, 3/32, H01M 8/06**

- A PROCESS FOR THE PREPARATION OF HYDROGEN AND CARBON MONOXIDE
- TECHNIQUE DE PRODUCTION D'HYDROGENE ET DE MONOXYDE DE CARBONE

(71) **SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DE JONG, Krijn, Pieter** [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL).
PIETERSE, Coen, Willem, Johannes [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL).
SCHOONEBEEK, Ronald, Jan [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19250** (13) A1

(21) PCT/CA98/00927

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 2,218,271 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C01B 6/24, 3/00**

- METHOD OF FABRICATION OF COMPLEX ALKALI METAL HYDRIDES
- PROCEDE DE FABRICATION D'HYDRURES COMPLEXES DE METAUX ALCALINS

(71) **MCGILL UNIVERSITY** [CA/CA]; 845 Sherbrooke Street West, Montreal, Quebec H3A 1B1 (CA).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZALUSKA, Alicja** [CA/CA]; 3510 Paul-Emile-Cote, Montreal, Quebec H4E 1Z6 (CA).
ZALUSKI, Leszek [CA/CA]; 3510 Paul-Emile-Cote, Montreal, Quebec H4E 1Z6 (CA).
STRÖM-OLSEN, John, Olaf [CA/CA]; 443 Lansdowne Avenue, Montreal, Quebec H3Y 2V4 (CA).

(74) **MURPHY, Kevin, P.** et al. / etc.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Quebec H3A 2Y3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19251** (13) A1

(21) PCT/US98/18169

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) en (26) en

(31) 08/948,358 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C01B 7/00, B01J 8/00**

- SOLID PARTICLE MANUFACTURE
- FABRICATION DE PARTICULES SOLIDES

(71) **CONTRACT MATERIALS PROCESSING, INC.** [US/US]; 1922 Benhill Avenue, Baltimore, MD 21226 (US).

(72) **ALBERS, Edwin, W.**; 1922 Benhill Avenue, Baltimore, MD 21226 (US).
BURKHEAD, Harry, W., Jr.; 1922 Benhill Avenue, Baltimore, MD 21226 (US).

(74) **WISE, L., Gene**; Suite 101, 1364 Beverly Road, McLean, VA 22101-3628 (US).

(81) AU CA JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19252** (13) A1

(21) PCT/US98/21182

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/061,642 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C01B 25/16, C07F 9/141, 9/09, 9/02**

- METHOD FOR SEPARATING PHOSPHORUS OXYACIDS, ORGANOPHOSPHATES AND ORGANOPHOSPHITES

- PROCEDE UTILE POUR LA SEPARATION D'OXYACIDES PHOSPHOREUX, D'ORGANOPHOSPHATES ET D'ORGANOPHOSPHITES

(71) **MONSANTO COMPANY** [US/US]; 800 N. Lindbergh Boulevard, St. Louis, MO 63167 (US).

(72) **MA, Yinong**; Apartment H, 1511 Oak Forest Spur Drive, St. Louis, MO 63146 (US).

(74) **KAMMERER, Patricia, A.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

- (11) **WO 99/19253** (13) A2
(21) PCT/DE98/03012
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) de (26) de
(31) 197 45 549.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C01B 31/00**
(54) ● GAS ACCUMULATOR
● ACCUMULATEUR DE GAZ
(71) **MANNESMANN AG** [DE/DE]; Mannesmannufer 2, D-40213 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KLOS, Holger** [DE/DE]; Yorckstrasse 12, D-76185 Karlsruhe (DE). **SCHMITZ, Ulrich** [DE/DE]; Claude-Lorraine-Strasse 9, D-81543 München (DE). **SCHÜTZ, Walter** [DE/DE]; Georg-Hagen-Strasse 1, D-95266 Weidenberg (DE).
(74) **MEISSNER, P., E.** et al. / etc.; Hohenzollern-damm 89, D-14199 Berlin (DE).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19254** (13) A1
(21) PCT/US98/20872
(22) **2 Oct/oct 1998 (02.10.1998)**
(25) en (26) en
(31) 08/949,802 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C01B 37/08, B01J 29/04**
(54) ● SYNTHESIS OF SAPO-44
● SYNTHESE DE SAPO-44
(71) **EXXON CHEMICAL PATENTS INC.** [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US).
(72) **LIU, Zhongmin**; 15 Xinghai 3rd Street, Sahekou District, Dalian 116023 (CN). **GUO, Xiexian** (deceased / décédé). **CAL, Guangyu**; 7 Xinghai 3rd Street, Sahekou District, Dalian 116023 (CN).
(74) **KELLER, Bradley, A.** et al. / etc.; Exxon Chemical Company, P.O. Box 2149, Baytown, TX 77522-2149 (US).
(81) AU CN JP NO RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19255** (13) A1
(21) PCT/US98/03289
(22) **17 Feb/fév 1998 (17.02.1998)**
(25) en (26) en
(31) 08/950,628 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C01G 53/00, H01M 4/48**
(54) ● NICKEL-CONTAINING COMPOUNDS USEFUL AS ELECTRODES AND METHOD FOR PREPARING SAME
● COMPOSES CONTENANT DU NICKEL UTILES EN TANT QU'ÉLECTRODES, ET LEUR PROCÉDE DE FABRICATION
(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(72) **DAHN, Jeffrey, R.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **ZHENG, Tao**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(74) **PASTRIK, Daniel, R.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19256** (13) A2
(21) PCT/US98/21462
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,944 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F**
(54) ● STABILIZED CONCENTRATES OF WATER UNSTABLE AZA COMPOUNDS AND O/W MINIEMULSIONS THEREOF
● CONCENTRES STABILISES DE COMPOSES AZA INSTABLES DANS L'EAU ET LEURS MINI-EMULSIONS HUILE-DANS-EAU
(71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).
(72) **JON, Domingo, I.**; Apartment 28, 41-51 Kenmare Street, New York, NY 10012 (US). **PRETTY-PAUL, Donald, I.**; 123 Van Nostrand Avenue, Englewood, NJ 07631 (US). **BENNING, Matthew, J.**; 17 Hickory Road, Highland Lakes, NJ 07422 (US). **NARAYANAN, Kolazi, S.**; 33 Carol Place, Wayne, NJ 07470 (US). **IANNIELLO, Robert, M.**; 5330 Berkshire Valley Road, Oak Ridge, NJ 07438 (US).
(74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, 1361 Alps Road, Wayne, NJ 07470 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19257** (13) A2
(21) PCT/US98/21477
(22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
(31) 08/947,783 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F**
(54) ● PROCESSES AND SYSTEMS FOR TREATING WASTEWATER EFFLUENT
● PROCÉDES ET SYSTÈMES DE TRAITEMENT D'EFFLUENTS D'EAUX USEES
(71) **WASTE WATER RECLAMATION TECHNOLOGIES, INC.** [US/US]; Suite 700, 6900 East Camelback Road, Scottsdale, AZ 85251 (US).
(72) **REYNA, Chrispin**; 5300 North Figueroa, Los Angeles, CA 90042 (US). **PLISHKA, Martin, J.**; 16715 East El Largo, Fountain Hills, AZ 85268 (US).
(74) **GREAVES, John, N.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate, 60 East South Temple, Salt Lake City, UT 84111 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19258** (13) A1
(21) PCT/BR98/00087
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) PI 9704535-7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) BR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F 1/22, A47K 11/02, B64D 11/02, B61D 35/00, B60R 15/04**
(54) ● EQUIPMENT FOR THE COOLING AND FREEZING OF PHYSIOLOGICAL WASTE MATTERS
● EQUIPEMENT POUR REFROIDIR ET CONGELER DES DECHETS PHYSIOLOGIQUES
(71, 72) **DE ROSATO, Paulo, César** [BR/BR]; Quadra 34, Lote 14, Parque Esplanada III, CEP-72870-000 Valparaíso, GO (BR).
(74) **SR-CONSULTORES/IFEMP INST. FOM. EMP. LTDA.**; SCS Quadra 02, Bloco "C", 5º andar, Ed. Jamel Cecílio, CEP-70317-900 Brasília, DF (BR).
(81) AU BG CA CN HU JP KR MX NZ PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19259** (13) A1
(21) PCT/JP97/03718
(22) **15 Oct/oct 1997 (15.10.1997)**
(25) ja (26) ja
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F 1/28, 1/68, 1/50, A23L 1/304, B01D 39/00, B01J 3/00**
(54) ● WEATHERED HERMATYPIC CORAL MATERIAL

- MATIERE A BASE DE CORAIL HERMATY-PIQUE VIEILLI
- (71) **CORAL BIOTECH KABUSHIKI KAISHA** [JP/JP]; 21-1-201, Akebono 3-chome, Naha-shi, Okinawa 900 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **YOSHIZUMI, Satoshi** [JP/JP]; 1027-84, Mutsuura-cho, Kanazawa-ku, Yokohama-shi, Kanagawa 236 (JP). **ODA, Toshiharu** [JP/JP]; Room 501, 3-7, Ohira 2-chome, Urasoe-shi, Okinawa 901-21 (JP).
- (74) **TAJIME, Noboru** et al. / etc.; New-Well-Ikuta Building, Room No. 502, 26-28, Mita 1-chome, Tama-ku, Kawasaki-shi, Kanagawa 214 (JP).
- (81) AU CA CN KR MX US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19260** (13) A1
(21) PCT/NO98/00307
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 19974715 (32) **10 Oct/oct 1997 (10.10.1997)** (33) NO
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F 1/48 // F17D 1/16**

- (54) ● METHOD AND APPARATUS FOR REDUCTION OF FLOW RESISTANCE IN PIPES AND DUCTS
- PROCEDE ET APPAREIL PERMETTANT DE REDUIRE LA RESISTANCE A L'ECOULEMENT DANS DES TUYAUX ET DES CONDUITES

- (71, 72) **WASKAAS, Magne** [NO/NO]; Sagdalsringen 43, N-3748 Siljan (NO).
- (74) **ONSAGERS PATENTKONTOR - DEFENSOR AS**; P.O. Box 265 Sentrum, N-0103 Oslo (NO).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19261** (13) A1
(21) PCT/FR98/02135
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) fr (26) fr
(31) 97/13077 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR
(31) 97/14337 (32) **10 Nov/nov 1997 (10.11.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F 1/52, B01D 21/00**

- (54) ● METHOD FOR PHYSICO-CHEMICAL TREATMENT OF WATER AND PLANT FOR IMPLEMENTING SAME
- PROCEDE DE TRAITEMENT PAR VOIE PHYSICO-CHIMIQUE DES EAUX ET INSTALLATION POUR LA MISE EN OEUVRE D'UN TEL PROCEDE

- (71) **OTV OMNIUM DE TRAITEMENTS ET DE VALORISATION** [FR/FR]; L'Aquarène, 1, place Montgolfier, F-94417 Saint-Maurice Cedex (FR).
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- (72, 75) **LE PODER, Nicolas** [FR/FR]; 52, rue des Basses Roches, F-78700 Conflans-Sainte-Honorine (FR). **HAEGEL, Didier** [FR/FR]; 13, avenue Villiers sur Marne, F-94350 Villiers sur Marne (FR).
- (74) **VIDON, Patrice**; Cabinet Patrice Vidon, Immeuble Germanium, 80, avenue des Buttes de Coësmes, F-35700 Rennes (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19262** (13) A1
(21) PCT/US98/21791
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 60/062,119 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(31) 09/053,813 (32) **2 Apr/avr 1998 (02.04.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C02F 1/52, 1/54, C08F 34/00**

- (54) ● CHAIN EXTENDED CATIONIC POLYMER SYNTHESIS
- SYNTHESE DE POLYMERES CATIONIQUES A CHAINE ALLONGEE

- (71) **CPS CHEMICAL COMPANY, INC.** [US/US]; 900 Route 9 North, Woodbridge, NJ 07095-1015 (US).

- (72) **SCHRIVER, George, W.**; 488 Auten Road #4C, Somerville, NJ 08876 (US). **EASTER, Darrel, E.**; 3165 Woodsman Lane, Bartlett, TN 38135 (US). **YUN, Han, Bo**; 16 Landing Lane, Princeton Junction, NJ 08550 (US). **PADEGIMAS, Stanley**; 3143 Arbor Grove Way, Memphis, TN 38119 (US).

- (74) **BUTCH, Peter, J., III**; Synnestvedt & Lechner LLP, 2600 Aramark Tower, 1101 Market Street, Philadelphia, PA 19107-2950 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19263** (13) A1
(21) PCT/US98/21585
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/061,828 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 60/088,403 (32) **8 Jun/juin 1998 (08.06.1998)** (33) US
(31) 09/170,779 (32) **13 Oct/oct 1998 (13.10.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)

- (43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **C02F 1/72, 1/78, 11/06**

- (54) ● MANURE TREATMENT SYSTEM
- SYSTEME DE TRAITEMENT DE LISIER

- (71, 72) **TAI, Paul, Ling** [US/US]; 421 Glazier Road, Chelsea, MI 48118 (US).

- (74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302-1476 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19264** (13) A1

- (21) PCT/EP98/06288

- (22) **2 Oct/oct 1998 (02.10.1998)**

- (25) de (26) de

- (31) 197 45 045.8 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **C03B 19/09, C03C 14/00, C04B 14/22, 32/00**

- (54) ● METHOD FOR PRODUCING BUILDING MATERIALS SIMILAR TO NATURAL STONE FROM SINTERED GLASSES OR SINTERED GLASS CERAMICS

- PROCEDE DE PRODUCTION DE MATERIAUX DE CONSTRUCTION DE TYPE PIERRES NATURELLES, A BASE DE VERRES FRITES OU DE CERAMIQUES EN VERRE FRITTE

- (71) **INDUPART GLASKERAMIK STAHL- UND METALLBAU GMBH** [DE/DE]; Strasse der Einheit 18, D-06179 Teutschenthal (DE).
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- (72, 75) **GREULICH, Norbert** [DE/DE]; Rilkeallee 145, D-55127 Mainz (DE).

- (74) **FUCHS, Jürgen, H.** et al. / etc.; Abraham-Lincoln-Strasse 7, D-65189 Wiesbaden (DE).

- (81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19265** (13) A1

- (21) PCT/EP98/06393

- (22) **8 Oct/oct 1998 (08.10.1998)**

- (25) de (26) de

- (31) 197 44 666.3 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **C03B 32/00**

- (54) ● METHOD FOR PRECOMPRESSING FLAT GLASS

- PROCEDE POUR PRECOMPRIMER DU VERRE STRATIFIE

- (71) **SCHOTT GLAS** [DE/DE]; Hattenbergstrasse 10, D-55122 Mainz (DE).
(for all designated States except / pour tous les États désignés sauf GB JP KR US)

(71) **CARL-ZEISS-STIFTUNG TRADING AS SCHOTT GLAS** [DE/DE]; Hattenbergstrasse 10, D-55122 Mainz (DE).
(only for / seulement pour GB KR)

(71) **CARL-ZEISS-STIFTUNG** [DE/DE]; D-89518 Heidenheim an der Brenz (DE).
(only for / seulement pour JP)

(72, 75) **FOTHERINGHAM, Ulrich** [DE/DE]; Majoranweg 30, D-65191 Wiesbaden (DE). **SPRENGER, Dirk** [DE/DE]; Auf der Langweid 47, D-55271 Stackeden-Elsheim (DE). **OSTEN-DARP, Heinrich** [DE/DE]; Drechslerweg 12B, D-55128 Mainz (DE). **WEGENER, Holger** [DE/DE]; Glenetalstrasse 99, D-31061 Alfeld (DE).

(74) **FUCHS, Jürgen, H.** et al. / etc.; Abraham-Lincoln-Strasse 7, D-65189 Wiesbaden (DE).

(81) GB JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19266** (13) A1

(21) PCT/US98/20350

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(31) 97/12664 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C03C 3/066, 3/068, 3/072, 3/074**

(54) ● HIGH REFRACTIVE INDEX GLASSES, MULTIFOCAL CORRECTIVE LENSES CONTAINING SAME

● VERRES A INDICE DE REFRACTION ELEVE, ET VERRES CORRECTEURS PROGRESSIFS COMPORTANT LESDITS VERRES

(71) **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).
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(72, 75) **COMTE, Marie, J.** [FR/FR]; 44, rue Boris Vilde, F-92260 Fontenay aux Roses (FR). **MARQUES, Paulo** [FR/FR]; 19, rue de l'Avenir, F-91550 Paray Vieille Poste (FR).

(74) **NWANERI, Angela, N.**; Corning Incorporated, Patent Dept., SP FR 02-12, Corning, NY 14831 (US).

(81) BR CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19267** (13) A1

(21) PCT/EP98/06527

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) de (26) de

(31) 197 45 647.2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C03C 17/32, G02B 5/28**

(54) ● THERMAL INSULATING COATING

● REVETEMENT D'ISOLATION THERMIQUE

(71) **BASF AKTIENGESSELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SIEMENSMEYER, Karl** [DE/DE]; Erich-Höckel-Strasse 1, D-67227 Frankenthal (DE). **SCHUHMACHER, Peter** [DE/DE];

Waldparkdamm 6, D-68163 Mannheim (DE). **MEYER, Frank** [DE/DE]; Seckenheimer Strasse 4-6, D-68165 Mannheim (DE). **SCHNEIDER, Norbert** [DE/DE]; Madenburgstrasse 5f, D-67122 Altrip (DE). **ISHIDA, Hiroki** [TR/DE]; Weinstrasse 93, D-67434 Neustadt (DE).

(74) **KINZEBACH, Werner** et al. / etc.; Reitstötter, Kinzebach und Partner, Sternwartstrasse 4, D-81679 München (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19268** (13) A1

(21) PCT/BE98/00149

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) fr (26) fr

(31) 97203209.8 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 16/06**

(54) ● SHAPED FIBRE CEMENT PRODUCTS AND REINFORCING FIBRES FOR SAME

● PRODUITS FACONNES EN FIBRES-CIMENT ET FIBRES DE RENFORCEMENT POUR DE TELS PRODUITS

(71) **REDCO S.A.** [BE/BE]; Kuiermanstraat 1, B-1880 Kapelle-op-den-Bos (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VIDTS, Dirk** [BE/BE]; Bredestraat 58, B-9600 Ronse (BE). **de LHONEUX, Benoît** [BE/BE]; Rue A. Poupé 29, B-1367 Ramillies (BE).

(74) **VANDEBERG, Marie-Paule** et al. / etc.; Office Kirkpatrick S.A., Avenue Wolfers 32, B-1310 La Hulpe (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KP KZ LC LR LK LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19269** (13) A1

(21) PCT/DE98/03025

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) de (26) de

(31) 197 44 951.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 24/28, 28/14**

(54) ● METHOD FOR PRODUCING POLYUREA-CONTAINING POROUS FOAM PLASTER

● PROCEDE DE PRODUCTION DE PLATRE CELLULAIRE POREUX CONTENANT DE LA POLYUREE

(71) **PREFORM RAUMGLIEDERUNGSSYSTEME GMBH** [DE/DE]; Esbacher Weg 15, D-91555 Feuchtwangen (DE).
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(72, 75) **LAGODA, Reinhold** [DE/DE]; Ortsteil Kaienberg 2, D-91599 Dentelein am Forst (DE).

(74) **PFFENNING, MEINIG & PARTNER GBR**; Mozartstrasse 17, D-80336 München (DE).

(81) CA CZ PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19270** (13) A1

(21) PCT/US98/21428

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/947,592 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 35/83**

(54) ● HIGH THERMAL CONDUCTIVITY CARBON/CARBON HONEYCOMB STRUCTURE

● STRUCTURE ALVEOLEE CARBONE-CARBONE A HAUTE CONDUCTIVITE THERMIQUE

(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).

(72) **WALKER, Terence, Bryan**; 52160 Trinity Court, South Bend, IN 46637 (US).

(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (Attn: R. Fels), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19271** (13) A1

(21) PCT/EP98/06479

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 197 45 205.1 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(31) 198 06 888.3 (32) **19 Feb/fév 1998 (19.02.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 37/02, B23P 11/00, B21K 25/00**

(54) ● METHOD FOR INCREASING THE WEAR-RESISTANCE OF A WORK PIECE

● PROCEDE POUR AUGMENTER LA RESISTANCE A L'USURE D'UNE PIECE

(71) **CERAMTEC AG INNOVATIVE CERAMIC ENGINEERING** [DE/DE]; Fabrikstrasse 23-29, D-73207 Plochingen (DE). **UKM UMFORMTECHNIK UND KRAFTFAHRZEUGKOMponenten MEISSEN GMBH** [DE/DE]; Ringstrasse 10, D-01662 Meißen (DE).
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(72, 75) **MEIER, Gerd** [DE/DE]; Diebersdorfer Hauptstrasse 20a, D-91227 Leinburg (DE). **RUSSNER, Carsten** [DE/DE]; Richard-Wagner-Strasse 11, D-91207 Lauf (DE). **RUSSNER, Klaus** [DE/DE]; Richard-Wagner-Strasse 11, D-91207 Lauf (DE). **STINGL, Peter** [DE/DE]; Am Seacker 1, D-91207 Lauf (DE). **RADKE, Helmut** [DE/DE]; Beerbacher Weg 15, D-90482 Nürnberg (DE). **TEMPEL, Steffen** [DE/DE]; Untere Dorfstrasse 11, D-01665 Jessen (DE). **LEUTERITZ, Dietmar** [DE/DE]; Winkwitzer Strasse 4a, D-01665 Winkwitz (DE).

(74) **SCHERZBERG, Andreas** et al. / etc.; Dynamit Nobel Aktiengesellschaft, Patentabteilung, D-53839 Troisdorf (DE).

(81) BR CA CN CZ JP KR MX PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19272** (13) A1

(21) PCT/RU98/00320

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) ru (26) ru

(31) 97116546 (32) **13 Oct/oct 1997 (13.10.1997)** (33) RU

(31) 98116040 (32) **27 Aug/août 1998 (27.08.1998)** (33) RU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 38/02, B28B 1/50, 5/00**

(54) ● STARTING MIXTURE FOR PREPARING A NATURALLY HARDENING CELLULAR CONCRETE WITHOUT USING AN AUTOCLAVE, AND METHOD AND DEVICE FOR MANUFACTURING ARTICLES MADE OF CELLULAR CONCRETE

● MELANGE DE BASE POUR LA PREPARATION DE BETON CELLULAIRE A SOLIDIFICATION NATURELLE HORS AUTOCLAVE, ET PROCEDE ET DISPOSITIF DE FABRICATION D'ARTICLES EN BETON CELLULAIRE

(71) **ZAKRYTOE AKTSIONERNOE OBSHESTVO ARKHITEKTURNO-STROITELNAYA FIRMA "ROSTRA"** [RU/RU]; ul. Lodochnaya, 31/5, Moscow, 123364 (RU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **STRELBIZKY, Vladimir Petrovich** [RU/RU]; corp., 11/32-461, Moscow-Zelinograd, 103460 (RU). **SAKHAROV, Grigory Petrovich** [RU/RU]; pr. Bulatnikov, 14-5-79, Moscow, 113403 (RU).

(74) **PATENT LAW FIRM "JUS"**; P.O. Box 184, PLF "JUS", Moscow, 103009 (RU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19273** (13) A1

(21) PCT/JP98/04523

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ja (26) ja

(31) 9/277772 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(31) 10/128226 (32) **22 Apr/avr 1998 (22.04.1998)** (33) JP

(31) 10/204237 (32) **6 Jul/juil 1998 (06.07.1998)** (33) JP

(31) 10/267462 (32) **4 Sep/sep 1998 (04.09.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C04B 41/88**

(54) ● FIBROUS COMPOSITE MATERIAL AND PROCESS FOR PRODUCING THE SAME

● MATERIAU COMPOSITE FIBREUX ET SON PROCEDE DE FABRICATION

(71) **NGK INSULATORS, LTD.** [JP/JP]; 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture 467-8530 (JP). **ACROSS CO., LTD.** [JP/JP]; 16-27, Nishiki-cho 2-chome, Warabi-city, Saitama-prefecture 335-0005 (JP).
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(72, 75) **HANZAWA, Shigeru** [JP/JP]; 72, Shin-unumadai 2-chome, Kagamihara-city, Gifu-prefecture 509-0122 (JP). **NAKAGAWA, Takao** [JP/JP]; 11-14, Uchiya 3-chome, Urawa-city, Saitama-prefecture 336-0034 (JP).

(74) **WATANABE, Kazuhira**; No. 8 Kikuboshi Tower Building, 3rd floor, 20-18, Asakusabashi 3-chome, Taito-ku, Tokyo 111-0053 (JP).

(81) CN ID JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19274** (13) A1

(21) PCT/CN97/00151

(22) **25 Dec/déc 1997 (25.12.1997)**

(25) zh (26) zh

(31) 97 1 19021.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) CN

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C05G 3/00, 1/00, C05D 9/02**

(54) ● MAGNETIZED ORGANIC FERTILISER AND ITS PREPARATION METHOD
● PRODUIT FERTILISANT ORGANIQUE MAGNETISE ET SON PROCEDE DE PREPARATION

(71, 72) **LI, Fengjie** [CN/CN]; Daokoudong, Huowuchu, Zhongba Road, Daqing City, Heilongjiang Province 163001 (CN).

(74) **NTD PATENT & TRADEMARK AGENCY, BEIJING OFFICE**; 10th floor, Beisanhuanzhonglu Road 6, Dewai, Beijing 100011 (CN).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19275** (13) A1

(21) PCT/IL98/00489

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 121933 (32) **9 Oct/oct 1997 (09.10.1997)** (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07B 39/00, 37/04, 41/06, C07C 45/46, 49/84 // 2/70, 15/107, 41/22, 43/225, 45/63, 47/55**

(54) ● PROCESS FOR ELECTROPHILIC AROMATIC SUBSTITUTION
● PROCEDE DE SUBSTITUTION AROMATIQUE ELECTROPHILE

(71) **BROMINE COMPOUNDS LTD.** [IL/IL]; Makleff House, P.O. Box 180, 84101 Beer-Sheva (IL).
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(72, 75) **EWENSON, Ariel** [IL/IL]; Shizaf Street 14, 84965 Omer (IL). **ITZHAK, David** [IL/IL]; Rotem Street 32, 84965 Omer (IL). **FREIBERG BERGSTEIN, Miriam** [IL/IL]; Shizaf Street 3, 84965 Omer (IL). **SHUSHAN, Asher** [IL/IL]; Metzada Road 9, 84357 Beer-Sheva (IL). **CROITORU, Bertha** [IL/IL]; Shomron Street 46, Neot Lon, 84814 Beer-Sheva (IL). **BENEISH, David** [IL/IL]; Alon Street 5, 84965 Omer (IL). **FAZA, Naim** [IL/IL]; Ahad Haam Street 14, 72209 Ramleh (IL).

(74) **LUZZATTO, Kfir** et al. / etc.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer-Sheva (IL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19276** (13) A2

(21) PCT/US98/21804

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061,805 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/172,921 (32) **9 Oct/oct 1998 (09.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07B 61/00**

(54) ● MOLECULAR COMPOUNDS HAVING COMPLEMENTARY SURFACES TO TARGETS AND METHODS FOR THE SYNTHESIS AND USE THEREOF

● COMPOSES MOLECULAIRES PRESENTANT DES SURFACES COMPLEMENTAIRES A DES CIBLES ET LEURS METHODES DE SYNTHESE ET D'UTILISATION

(71) **ALNIS, LLC** [US/US]; Suite 258, 1933 Davis Street, San Leandro, CA 94577 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SOANE, David, S.** [US/US]; 109 King Avenue, Piedmont, CA 94610 (US). **BARRY, Stephen, E.** [US/US]; 300 Monte Vista Avenue #304, Oakland, CA 94611 (US). **GOODWIN, Andrew** [US/US]; 446 42nd Street, Oakland, CA 94609 (US). **OFFORD, David, A.** [US/US]; 4267 Mabel Avenue, Castro Valley, CA 94546 (US). **PERROT, Michael, G.** [US/US]; 1516 Waller Street, San Francisco, CA 94117 (US).

(74) **JOHNSTON, Madeline, I.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19277** (13) A1

(21) PCT/US98/21214

(22) **7 Oct/oct 1998 (07.10.1998)**

- (25) en (26) en
- (31) 60/061,666 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 1/04**
- (54) ● SYSTEM AND METHOD FOR CONVERTING LIGHT HYDROCARBONS TO HEAVIER HYDROCARBONS WITH SEPARATION OF WATER INTO OXYGEN AND HYDROGEN
- SYSTEME ET PROCEDE PERMETTANT DE TRANSFORMER DES HYDROCARBURES LEGERES EN HYDROCARBURES LOURDS TOUT EN SEPARANT L'EAU EN OXYGENE ET EN HYDROGENE
- (71) **SYNTROLEUM CORPORATION** [US/US]; Suite 1100, 1350 S. Boulder, Tulsa, OK 74119-3216 (US).
- (72) **AGEE, Mark, A.**; 9220 S. Hudson, Tulsa, OK 74137 (US). **WEICK, Larry, J.**; 4201 E. 99th Street, Tulsa, OK 74137 (US).
- (74) **FELGER, Thomas, R.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19278** (13) A1
- (21) PCT/US98/20929
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,299 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 1/10, 2/64, 2/68, 5/22, C08G 63/00, 63/02, 63/52**
- (54) ● PROCESS FOR PREPARING 2,6-DIALKYLNAPHTHALENE
- PROCEDE DE PREPARATION DE 2,6-DIALKYLNAPHTHALENE
- (71) **KABUSHIKI KAISHA KOBE SEIKO SHO** (also known as **KOBE STEEL, LTD.**) [JP/JP]; 3-18, Wakino-hama-cho 1-chome, Chuo-ku, Kobe 651 (JP). **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).
- (72) **MOTOYUKI, Masahiro**; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingo-machi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP). **YAMAMOTO, Koji**; Kobe Corporation Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsuka-dai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-22 (JP). **SAPRE, Ajit, Vishwanath**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **McWILLIAMS, John, Paul**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **DONNELLY, Susan, Patricia**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US).
- (74) **OBLON, Norman, F.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).
- (81) CA JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19278** (13) A1
- (21) PCT/US98/20930
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,666 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 5/22, C08G 63/06**
- (54) ● PROCESS FOR PREPARING 2,6-DIMETHYLNAPHTHALENE
- PROCEDE DE PREPARATION DE 2,6-DIMETHYLNAPHTHALENE
- (71) **KABUSHIKI KAISHA KOBE SEIKO SHO** [JP/JP]; 3-18, Wakino-hama-cho 1-chome, Chuo-ku, Kobe 651 (JP). **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).
- (72) **MOTOYUKI, Masahiro**; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingo-machi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP). **YAMAMOTO, Koji**; Kobe Corporation Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsuka-dai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-22 (JP). **YOSHIDA, Shingo**; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingo-machi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP). **YAMAMOTO, Seiichi**; Kobe Corporation Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsuka-dai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-22 (JP). **SAPRE, Ajit, Vishwanath**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **McWILLIAMS, John, Paul**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **DONNELLY, Susan, Patricia**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **HELLRING, Stuart, Damon**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US).
- (74) **OBLON, Norman, F.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).
- (81) CA JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19281** (13) A1
- (21) PCT/US98/20930
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,666 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 5/22, C08G 63/06**
- (54) ● PROCESS FOR PREPARING 2,6-DIMETHYLNAPHTHALENE
- PROCEDE DE PREPARATION DE 2,6-DIMETHYLNAPHTHALENE
- (71) **KABUSHIKI KAISHA KOBE SEIKO SHO** [JP/JP]; 3-18, Wakino-hama-cho 1-chome, Chuo-ku, Kobe 651 (JP). **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).
- (72) **MOTOYUKI, Masahiro**; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingo-machi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP). **YAMAMOTO, Koji**; Kobe Corporation Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsuka-dai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-22 (JP). **YOSHIDA, Shingo**; Osaka Branch in Kobe Steel, Ltd., 1-3, Bingo-machi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 (JP). **YAMAMOTO, Seiichi**; Kobe Corporation Research Laboratories in Kobe Steel, Ltd., 5-5, Takatsuka-dai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-22 (JP). **SAPRE, Ajit, Vishwanath**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **McWILLIAMS, John, Paul**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **DONNELLY, Susan, Patricia**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US). **HELLRING, Stuart, Damon**; Mobil Technology Company, 600 Billingsport Road, Paulsboro, NJ 08066-0480 (US).
- (74) **OBLON, Norman, F.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).
- (81) CA JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19280** (13) A1
- (21) PCT/US98/14799
- (22) **17 Jul/juil 1998 (17.07.1998)**
- (25) en (26) en
- (31) 08/951,201 (32) **14 Oct/oct 1997** (33) US
(14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 2/30**
- (54) ● PROCESS FOR THE TRIMERIZATION OF OLEFINS
- PROCEDE DE TRIMERISATION D'OLEFINES
- (63) US 08/951,201 (CON)
14 Oct/oct 1997 (14.10.1997)
- (71) **PHILLIPS PETROLEUM COMPANY** [US/US]; 4th and Keeler, Bartlesville, OK 74004 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **WOODARD, William, Miller** [US/US]; 1301 Ravenwood Court, Bartlesville, OK 74003 (US). **EWERT, Warren, Matthew** [US/US]; 3606 E. Mountain Road, Bartlesville, OK 74003 (US). **HENSLEY, Harvey, Dean** [US/US]; 2527 Dorchester, Bartlesville, OK 74006 (US). **LASHIER, Mark, Edward** [US/US]; 2901 Kingston Drive, Bartlesville, OK 74006 (US). **KREISCHER, Bruce, Edward** [US/US]; 504 Dorsett Court, Bartlesville, OK 74006 (US). **COWAN, Glyndal, Darren** [US/US]; 3921 N.E. Nebraska, Bartlesville, OK 74006 (US). **FREEMAN, Jeffrey, Willis** [US/US]; 1435 Lariat Drive, Bartlesville, OK 74006 (US). **FRANKLIN, Ralph, Vernon** [US/US]; 544 S. Rogers, Nowata, OK 74048
- (11) **WO 99/19279** (13) A2
- (21) PCT/DE98/02933
- (22) **23 Sep/sep 1998 (23.09.1998)**
- (25) de (26) de
- (31) 197 45 548.4 (32) **10 Oct/oct 1997** (33) DE
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 2/00**
- (54) ● CATALYST FOR ALKYLATING OLEFINS, METHOD FOR PRODUCING A CATALYST, AND ALKYLATION METHOD
- CATALYSEUR D'ALKYLATION DES OLEFINES, SON PROCEDE DE FABRICATION ET PROCEDE D'ALKYLATION
- (71) **MANNESMANN AG** [DE/DE]; Mannesmannufer 2, D-40213 Düsseldorf (DE). **KTI GROUP B.V.** [NL/NL]; Bredewater 26, NL-2715 Zoetermeer (NL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MORTIKOV, Eugene Sergeevic** [RU/RU]; ul. V. Krasnoselskaia, 34-62, Moskau (RU). **PLAKHOTNIC, Victor Alekseevic** [RU/RU]; ul. Stroitelei, 8-4-57, Moskau (RU). **DOLINSKY, Sergei Erikovitch** [RU/RU]; pr. Vernadskogo, 99-1-230, Moskau (RU).
- (74) **MEISSNER, Peter, E.** et al. / etc.; Hohenzollern-damm 89, D-14199 Berlin (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (51)⁶ **C07C 7/20, F17C 7/00**
- (54) ● METHOD AND APPARATUS FOR PRODUCING GAS HYDRATES
● PROCEDE ET APPAREIL DE PRODUCTION D'HYDRATES DE GAZ
- (71) **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VT 22037 (US).
- (72) **HEINEMANN, Robert, Frederick**; 5912 Valleybrook Drive, Plano, TX 75093 (US). **HUANG, David, Da-Teh**; 3520 Jomar Drive, Plano, TX 75075 (US). **LONG, Jingping**; 6017 Mendota Drive, Plano, TX 75024 (US). **SAEGER, Roland, Bernard**; 207 West Evesham Road, Runnemede, NJ 08078 (US).
- (74) **FURR, Robert, B., Jr.** et al. / etc.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).
- (81) AU BR CA CN ID JP KR NO NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19283** (13) A1
(21) PCT/US98/20127
(22) **25 Sep/sep 1998 (25.09.1998)**
(25) en (26) en
(31) 08/950,247 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 9/00, 7/00, F17C 3/00, 7/00, 9/02**
- (54) ● GAS HYDRATE REGASSIFICATION METHOD AND APPARATUS USING STEAM OR OTHER HEATED GAS OR LIQUID
● PROCEDE DE REGAZIFICATION D'HYDRATES DE GAZ ET APPAREIL UTILISANT DE LA VAPEUR OU DU GAZ OU UN LIQUIDE CHAUFFES D'UNE AUTRE MANIERE
- (71) **MOBIL OIL CORPORATION** [US/US]; 3225 Gallows Road, Fairfax, VA 22037 (US).
- (72) **HEINEMANN, Robert, Frederick**; 5912 Valleybrook Drive, Plano, TX 75093 (US). **HUANG, David, Da-Teh**; 3520 Jomar Drive, Plano, TX 75075 (US). **LONG, Jingping**; 6017 Mendota Drive, Plano, TX 75024 (US). **SAEGER, Roland, Bernard**; 207 West Evesham Road, Runnemede, NJ 08078 (US).
- (74) **FURR, Robert, B., Jr.** et al. / etc.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037 (US).
- (81) AU BR CA CN ID JP KR NO NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19284** (13) A1
(21) PCT/US98/21522
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 60/062,098 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 17/278, 19/16, C07B 37/02, C07C 41/30**
- (54) ● THERMAL PROCESS FOR THE PREPARATION OF A TELOMERIC ALKYL IODIDE
● PROCEDE THERMIQUE PERMETTANT DE PREPARER UN ALKYLIOURE TELOMERIQUE
- (71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
- (72) **KRESPAN, Carl, George**; 8 Mozart Drive, Wilmington, DE 19807 (US). **PETROV, Viacheslav, A.**; 2 Cappa Court, Hockessin, DE 19707 (US).
- (74) **SIEGELL, Barbara, C.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
- (81) AU CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19285** (13) A1
(21) PCT/JP98/04500
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) ja (26) ja
(31) 9/276883 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 19/08, 17/20, B01J 27/12**
- (54) ● PROCESS FOR THE PREPARATION OF 1,1,1,2,2-PENTAFLUOROETHANE
● PROCEDE DE PRODUCTION DE 1,1,1,2,2-PENTAFLUOROETHANE
- (71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4-12, Nakazaki-nishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-8323 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KONO, Satoru** [JP/JP]; c/o Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **SHIBANUMA, Takashi** [JP/JP]; c/o Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **KANEMURA, Takashi** [JP/JP]; c/o Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **YOSHIMURA, Toshikazu** [JP/JP]; c/o Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **TAKAHASHI, Kazuhiro** [JP/JP]; c/o Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP).
- (74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Doshomachi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).
- (81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19286** (13) A1
(21) PCT/JP98/04527
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) ja (26) ja
(31) 9/276884 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 19/08, 17/20, 17/383**
- (54) ● PROCESS FOR PRODUCING 1,1,1,2,2-PENTAFLUOROETHANE
● PROCEDE DE PRODUCTION DE 1,1,1,2,2-PENTAFLUOROETHANE
- (71) **DAIKIN INDUSTRIES, LTD.** [JP/JP]; Umeda Center Building, 4-12, Nakazaki-nishi 2-chome, Kita-ku, Osaka-shi, Osaka 530-8323 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KONO, Satoru** [JP/JP]; Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **YOSHIMURA, Toshikazu** [JP/JP]; Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP). **SHIBANUMA, Takashi** [JP/JP]; Yodogawa Seisakusho, Daikin Industries, Ltd., 1-1, Nishihitotsuya, Settsu-shi, Osaka 566-0044 (JP).
- (74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Doshomachi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).
- (81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19287** (13) A1
(21) PCT/KR98/00042
(22) **6 Mar/mar 1998 (06.03.1998)**
(25) en (26) en
(31) 1997/52169 (32) **10 Oct/oct 1997 (10.10.1997)** (33) KR
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 27/06, 29/153, 41/01**
- (54) ● PROCESS OF PREPARING A MIXTURE OF DIMETHYL ETHER AND METHANOL FROM CARBON DIOXIDE
● PROCEDE DE PREPARATION D'UN MELANGE DE DIMETHYLETHER ET DE METHANOL A PARTIR DE DIOXYDE DE CARBONE
- (71) **KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY** [KR/KR]; 100, Jang-dong, Yusung-ku, Daejeon 305-343 (KR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **JUN, Ki, Won** [KR/KR]; Hanbit Apt., 118-301, Uheun-dong, Yusung-ku, Daejeon 305-333 (KR). **LEE, Kyu, Wan** [KR/KR]; 383-24, Doryong-dong, Yusung-ku, Daejeon 305-340 (KR).
- (74) **HUH, Sang, Hoon**; Hyecheon Building, 13th floor, 831, Yeoksam-dong, Kangnam-ku, Seoul 135-792 (KR).
- (81) JP US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19288** (13) A1
(21) PCT/GB98/03042
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) en (26) en
(31) 97308107.8 (32) **13 Oct/oct 1997 (13.10.1997)** (33) EP
(43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 45/46, 45/82**
- (54) ● IMPROVEMENTS IN OR RELATING TO FRIEDEL-CRAFTS REACTIONS
● AMELIORATIONS PROPRES AUX REACTIONS DE FRIEDEL ET CRAFTS OU LIEES A CES REACTIONS
- (71) **QUEST INTERNATIONAL B.V.** [NL/NL]; Huijerstraatweg 28, NL-1411 GP Naarden (NL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **DAVEY, Paul, Nicholas** [GB/GB]; 4 High Trees Close, Willesborough, Ashford TN24 0LT (GB). **NEWMAN, Christopher, Paul** [GB/GB]; 5 The Foreland, Nackington Road, Canterbury, Kent CT1 3NT (GB). **SEDDON, Kenneth, Richard** [GB/GB]; 145 Millife Road, Donaghadee, County Down BT21 0LA (GB). **EARLE, Martyn, John**

[GB/GB]; 40a Inishowen Drive, Finaghy, Belfast BT10 0EU (GB).

(74) **HUMPHRIES, Martyn** et al. / etc.; ICI Group Intellectual Property, P.O. Box 90, Wilton, Middlebrough, Cleveland, TS90 8JE (GB).

(81) CN JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19289** (13) A1

(21) PCT/US98/22055

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,736 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07C 51/14, 59/64, 41/30, 43/215**

(54) ● RECOVERY AND RECYCLE OF CATALYST COMPONENTS USED IN PALLADIUM-CATALYZED PREPARATION OF ARYL-CARBOXYLIC ACIDS

● RECUPERATION ET RECYCLAGE DE COMPOSANTS CATALYTIQUES UTILISES DANS LA PREPARATION, CATALYSEE PAR PALLADIUM, D'ACIDES ARYL-CARBOXYLIQUES

(71) **ALBEMARLE CORPORATION** [US/US]; 451 Florida Street, Baton Rouge, LA 70801-1765 (US).

(72) **HERNDON, Robert, Carl, Jr.**; 13566 South Fairview Avenue, Baton Rouge, LA 70816 (US). **ALLEN, Robert, H.**; 5841 Tarrytown Avenue, Baton Rouge, LA 70808 (US). **CHOCKALINGAM, Kannappan, C.**; 12074 Newcastle Avenue, Baton Rouge, LA 70816 (US). **FOCHT, Gary, D.**; 1956 Cloverdale, Baton Rouge, LA 70808 (US).

(74) **PIPPENGER, Philip, M.** et al. / etc.; Albemarle Corporation, 451 Florida Street, Baton Rouge, LA 70801-1765 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19290** (13) A2

(21) PCT/US98/21538

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,289 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07C 59/08, C12P 7/56**

(54) ● LACTIC ACID PROCESSING; METHODS; ARRANGEMENTS; AND, PRODUCTS

● TRAITEMENT DE L'ACIDE LACTIQUE; PROCEDES, AGENCEMENTS ET PRODUITS ASSOCIES

(63) US 08/950,289 (CON) 14 Oct/oct 1997 (14.10.1997)

(71) **CARGILL, INCORPORATED** [US/US]; 15407 McGinty Road, P.O. Box 5624, Minneapolis, MN 55391-2399 (US).
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(72, 75) **EYAL, Aharon, M.** [IL/IL]; Kibbutz Ramat Rachel, Jerusalem (IL). **STARR, John, N.** [US/US]; 2350 Manvela Drive, Chaska, MN 55318 (US). **FISHER, Rod** [US/US]; 16822 S. Shore Lane, Eden Prairie, MN 55346 (US). **HAZAN, Betty** [IL/IL]; Iceland 17/22, Jerusalem (IL). **CANNARI, Riki** [IL/IL]; Beit Zeit 34, Beit Zeit (IL).

WITZKE, David, R. [US/US]; 2420 McMullin Drive, Oskaloosa, IA 52577 (US). **GRUBER, Patrick, Richard** [US/US]; 10951 Flanders Court N.E., Blaine, MN 55449 (US). **KOLSTAD, Jeffrey, J.** [US/US]; 16122 Ringer Road, Wayzata, MN 55391 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GR IE IT LU MC NL PT SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19291** (13) A1

(21) PCT/JP98/04456

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) ja (26) ja

(31) 9/280814 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07C 59/64, 59/72, 205/56, 233/54, 235/16, 235/34, 271/16, 271/60, 307/10, 311/21, A61K 31/165, 31/19**

(54) ● BIPHENYL-5-ALKANOIC ACID DERIVATIVES AND USE THEREOF

● DERIVES DE BIPHENYL-5-ACIDE ALCANOIQUE ET LEURS APPLICATIONS

(71) **ASAHI KASEI KOGYO KABUSHIKI KAISHA** [JP/JP]; 2-6, Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530-0004 (JP).
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(72, 75) **SHODA, Motoshi** [JP/JP]; 516-1, Morijima, Fuji-shi, Shizuoka 416-0948 (JP). **ITOH HIROMICHI** [JP/JP]; 38-2, Sankeidai, Mishima-shi, Shizuoka 411-0017 (JP).

(74) **KOBAYASHI, Kazunori**; Taiyoseimei-otsuka Building, 3F, 25-1, Kitaotsuka 2-chome, Toshima-ku, Tokyo 170-0004 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GR IE IT LU MC NL PT SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19292** (13) A1

(21) PCT/EP98/06275

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) de (26) de

(31) 197 45 465.8 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07C 209/36**

(54) ● CONTINUOUS METHOD FOR PRODUCING AROMATIC AMINES

● PROCEDE CONTINU DE PREPARATION D'AMINES AROMATIQUES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).

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(72, 75) **BECKHAUS, Heiko** [DE/DE]; Auf dem Herberg 7, D-51381 Leverkusen (DE). **LANGER, Reinhard** [DE/DE]; Scheiblerstrasse 111, D-47800 Krefeld (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GR IE IT LU MC NL PT SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19293** (13) A1

(21) PCT/US98/21609

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,818 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(31) 09/161,653 (32) **28 Sep/sep 1998 (28.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07C 217/48, C07D 295/08, A61K 31/445**

(54) ● NOVEL ARYLOXY-ALKYL-DIALKYLAMINES

● NOUVELLES ARYLOXY-ALKYL-DIALKYLAMINES

(71) **AMERICAN HOME PRODUCTS CORPORATION** [US/US]; Five Giralda Farms, Madison, NJ 07940-0874 (US).

(72) **RAVEENDRANATH, Panolil**; 2 Whitman Place, Monro, NY 10950 (US). **ZELDIS, Joseph**; 195 Long Clove Drive, New City, NY 10956 (US). **VID, Galina**; 47 Normandy Village, #2, Nanuet, NY 10954 (US). **POTOSKI, John, Richard**; 3 Harshorn Lane, West Nyack, NY 10994 (US). **REN, Jianxin**; 69 Gordon Avenue, Tenafly, NJ 07670 (US).

(74) **ALICE, Ronald, W.**; American Home Products Corporation, Patent Law Dept. - 2B, One Campus Drive, Parsippany, NJ 07054 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GR IE IT LU MC NL PT SE; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19294** (13) A1

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(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

- (31) 60/061,719 (32) **10 Oct/oct 1997** (33) US (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 227/18, 231/00, 231/02, 231/08, 231/12, C07K 1/02, 1/06, 1/13, 5/02**
- (54) ● PROCESS FOR THE PREPARATION OF AZACYCLOALKYLALKANOYL PSEUDO-TETRAPEPTIDES
● PREPARATION DES PSEUDOTETRAPEPTIDES AZACYCLOALKYLALCANOYLES
- (63) US 60/046,472 (CIP)
14 May/mai 1997 (14.05.1997)
- (71) **RHONE-POULENC RORER PHARMACEUTICALS INC. Legal/ Patents** [US/US]; Mail Stop #3C43, P.O. Box 5093, Collegeville, PA 19426-0997 (US).
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- (72, 75) **MENCEL, James, J.** [US/US]; 115 Forest Trail Drive, Lansdale, PA 19446 (US). **STAMMLER, Robert** [US/US]; 10, boulevard de Picpus, F-75012 Paris (US). **DAUBIE, Christophe** [FR/FR]; 2, square Adanson, F-75005 Paris (FR). **LAVIGNE, Michel** [FR/FR]; 4, allée de Acacias Residence, Grand Sentiar, F-Chilly-Mazarin (FR). **VANASSE, Benoit, J.** [CA/US]; 6044 Coldsprings Drive, Collegeville, PA 19426 (US). **LIU, Robert, C.** [US/US]; Unit # 1, 3379 Tice Creek, Walnut Creek, CA 94595 (US). **LEON, Patrick** [FR/FR]; 9, chemin de la Vernique, F-69169 Tassin la Demi Lune (FR). **D'NETTO, Geoffrey, A.** [US/US]; 285 Third Avenue, Collegeville, PA 19426 (US).
- (74) **MARTIN, Michael, B.** et al. / etc.; Rhône-Poulenc Rorer Pharmaceuticals Inc., Mail Stop 3C43, P.O. Box 5093, Collegeville, PA 19426-0997 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19295** (13) A1
- (21) PCT/US98/21430
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,607 (32) **10 Oct/oct 1997** (33) US (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 229/12, C07F 5/02, A61K 33/22**
- (54) ● COMPOSITIONS AND METHODS FOR INHIBITING ARGINASE ACTIVITY
● COMPOSITIONS ET PROCEDES POUR INHIBER L'ACTIVITE DE L'ARGINASE
- (71) **TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; Suite 300, 3700 Market Street, Philadelphia, PA 19104 (US).
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- (72, 75) **CHRISTIANSON, David, W.** [US/US]; 160 Carnoustie Way, Media, PA 19063 (US). **BAGGIO, Ricky** [US/US]; 26 Edwin Road, Waltham, MA 02453 (US). **ELBAUM, Daniel** [US/US]; 25 Sherin Road, Newton, MA 02462 (US).
- (74) **DOYLE LEARY, Kathryn** et al. / etc.; Panitch Schwarze Jacobs & Nadel, One Commerce Square, 22nd floor, 2005 Market Street, Philadelphia, PA 19103-7086 (US).
- (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19296** (13) A1
- (21) PCT/JP98/04529
- (22) **7 Sep/sep 1998 (07.09.1998)**
- (25) ja (26) ja
- (31) 9/291834 (32) **9 Oct/oct 1997** (33) JP (09.10.1997)
- (31) 10/28533 (32) **10 Feb/fév 1998** (33) JP (10.02.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07C 233/63, 233/83, 235/52, 235/42, 243/34, 259/06, 271/16, 275/36, 311/21, 323/41, 323/42, 323/43, 323/60, C07D 207/327, 207/40, 207/46, 209/24, 211/14, 211/62, 211/70, 213/81, 215/02, 233/61, 233/72, 263/56, 277/64, 307/81, 333/24, 339/08, 405/12, C07F 5/02, 7/18 // A61K 31/65, 31/19, 31/215, 31/34, 31/38, 31/385, 31/40, 31/415, 31/42, 31/425, 31/44, 31/445**
- (54) ● AMINOBUTANOIC ACID DERIVATIVES
● DERIVES D'ACIDE AMINOBUTANOIQUE
- (71) **ONO PHARMACEUTICAL CO., LTD.** [JP/JP]; 1-5, Doshomachi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-8526 (JP).
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- (72, 75) **TAKAHASHI, Kanji** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1-1, Sakurai 3-chome, Shimamoto-cho, Mishima-gun, Osaka 618-8585 (JP). **SUGIURA, Tsuneyuki** [JP/JP]; Minase Research Institute, ONO Pharmaceutical Co., Ltd., 1-1, Sakurai 3-chome, Shimamoto-cho, Mishima-gun, Osaka 618-8585 (JP).
- (74) **OHIE, Kunihi** et al. / etc.; Ohie Patent Office, Horiguchi No. 2 Building 7th floor, 2-6 Nihonbashi-Ningyocho 2-chome, Chuo-ku, Tokyo 103-0013 (JP).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19297** (13) A1
- (21) PCT/US98/21786
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,470 (32) **15 Oct/oct 1997** (33) US (15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 205/04, 401/12, 403/12, A61K 31/395**
- (54) ● SYNTHESIS OF AZETIDINE DERIVATIVES
● SYNTHESE DE DERIVES D'AZETIDINE
- (71) **COELACANTH CHEMICAL CORPORATION** [US/US]; Building A, Suite 103, 100 Jersey Avenue, New Brunswick, NJ 08901 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **CHEN, Zhengming** [CN/US]; 1107 Sweet Briar Court, Monmouth Junction, NJ 08852 (US). **KOLB, Hartmuth, C.** [DE/US]; 7107 Laurel Court, Monmouth Junction, NJ 08852 (US). **RICHARDSON, Paul** [GB/US]; Royal Oaks, Apartment 6505, Monmouth Junction, NJ 08852 (US). **HUANG, Zhi-Min** [CN/US]; 1614 Birchwood Court, North Brunswick, NJ 08902 (US).
-
- (74) **McDONNELL, John, J.**; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, Chicago, IL 60606 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/19298** (13) A1
- (21) PCT/US98/21749
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 60/061,892 (32) **14 Oct/oct 1997** (33) US (14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 209/04, 209/56, 209/80, 209/90, 209/94, 403/06, 403/14**
- (54) ● iso-CBI AND iso-CI ANALOGS OF CC-1065 AND THE DUOCARMYCINS
● ANALOGUES iso-CBI OU iso-CI DU CC-1065 ET DUOCARMYCINES
- (63) US 60/061,892 (CIP)
14 Oct/oct 1997 (14.10.1997)
- (71) **THE SCRIPPS RESEARCH INSTITUTE** [US/US]; 10550 North Torrey Pines Road, La Jolla, CA 92037 (US).
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- (72, 75) **BOGER, Dale, L.** [US/US]; 2819 Via Posada, La Jolla, CA 92037 (US).
- (74) **LEWIS, Donald, G.** et al. / etc.; The Scripps Research Institute, 10550 North Torrey Pines Road, TPC-8, La Jolla, CA 92037 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19299** (13) A1
- (21) PCT/US98/21470
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,618 (32) **9 Oct/oct 1997** (33) US (09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 211/76, 401/06, 409/06, 413/06, 417/06, A61K 31/495, C07D 261/08, 263/32, 263/34, 277/56, 277/28, 295/108, 295/13, 333/22, 333/20**
- (54) ● HETEROCYCLES USEFUL IN THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA AND INTERMEDIATES THEREOF
● HETEROCYCLES UTILES POUR LE TRAITEMENT DE L'HYPERPLASIE PROSTATIQUE BENIGNE ET LEURS INTERMEDIAIRES

(71) **ORTHO-MCNEIL PHARMACEUTICAL, INC.** [US/US]; U.S. Route #202, Raritan, NJ 08869 (US).

(72) **HUTCHINGS, Richard, H.**; Apartment 304, 1313 Natalie Lane, Ann Arbor, MI 48105 (US). **KHATUYA, Haripada**; 13624 Via Sima Bella, San Diego, CA 92129 (US). **KUO, Gee-Hong**; 3 Traveler Way, Scotch Plains, NJ 07076 (US). **LI, Xiaobing**; Apartment 2307, 7693 Palmyra Drive, San Diego, CA 92122 (US). **MURRAY, William, V.**; 447 Township Line Road, Belle Mead, NJ 08502 (US). **PROUTY, Catherine**; 236 Windsor Way, Doylestown, PA 18901 (US).

(74) **CIAMPORCERO, Audley, A., Jr.** et al. / etc.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 60/061,727 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 213/71, C07C 311/13, C07D 401/12, 405/12, 409/12, 417/12, 233/84, 403/12, A61K 31/18, 31/40, 31/415, 31/435, 31/425, 31/505**

(54) ● PROSTAGLANDIN AGONISTS AND THEIR USE TO TREAT BONE DISORDERS
● AGONISTES DE LA PROSTAGLANDINE ET LEUR UTILISATION POUR LE TRAITEMENT DES PROBLEMES OSSEUX

(71) **Pfizer Inc.** [US/US]; 235 East 42nd Street, New York, NY 10017 (US).
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(72, 75) **CAMERON, Kimberly, O'Keefe** [US/US]; 5 North Winchester Court, East Lyme, CT 06333 (US). **LEFKER, Bruce, Allen** [US/US]; 21 Eagle Ridge Drive, Gales Ferry, CT 06355 (US). **RO-SATI, Robert, Louis** [US/US]; 71 Deans Mill Road, Stonington, CT 06378 (US).

(74) **Spiegel, Allen, J.** et al. / etc.; Pfizer Inc., 235 East 42nd Street, New York, NY 10017 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19301** (13) A1

(21) PCT/JP98/04613

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) ja (26) ja

(31) 9/280880 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(31) 10/261100 (32) **16 Sep/sep 1998 (16.09.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 213/74, 295/12, 239/42, 239/47, 239/48, 239/545, 277/42, 277/58, 233/90, A61K 31/495**

(54) ● PIPERAZINE COMPOUNDS AND MEDICINAL USE THEREOF
● COMPOSES DE PIPERAZINE ET UTILISATION MEDICALE DESDITS COMPOSES

(71) **YOSHITOMI PHARMACEUTICAL INDUSTRIES, LTD.** [JP/JP]; 6-9, Hiranomachi 2-chôme, Chuo-ku, Osaka-shi, Osaka 541-0046 (JP).
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(72, 75) **ADACHI, Kunitomo** [JP/JP]; Yoshitomi Pharmaceutical Industries, Ltd., Kyushu Laboratories, 955, Oaza-Koiwai, Yoshitomimachi, Chikujō-gun, Fukuoka 871-8550 (JP). **AOKI, Yoshiyuki** [JP/JP]; Yoshitomi Pharmaceutical Industries, Ltd., Tokyo Laboratories, 7-25, Koyata 3-chôme, Iruma-shi, Saitama 358-0026 (JP). **HANANO, Tokushi** [JP/JP]; Yoshitomi Pharmaceutical Industries, Ltd., Kyushu Laboratories, 955, Oaza-Koiwai, Yoshitomimachi, Chikujō-gun, Fukuoka 871-8550 (JP). **MORIMOTO, Hiroshi** [JP/JP]; Yoshitomi Pharmaceutical Industries, Ltd., Kyushu Laboratories, 955, Oaza-Koiwai, Yoshitomimachi, Chikujō-gun, Fukuoka 871-8550 (JP). **HISADOME, Masao** [JP/JP]; Yoshitomi Pharmaceutical Industries, Ltd., Kyushu Laboratories, 955, Oaza-Koiwai, Yoshitomimachi, Chikujō-gun, Fukuoka 871-8550 (JP).

(74) **TAKASHIMA, Hajime**; Yuki Building, 3-9, Hiranomachi 3-chôme, Chuo-ku, Osaka-shi, Osaka 541-0046 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19302** (13) A1

(21) PCT/IB98/01555

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 2364/97 (32) **9 Oct/oct 1997 (09.10.1997)** (33) CH

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 213/79, 213/80, 405/12, A61K 31/44**

(54) ● PYRIDYL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM
● COMPOSES DE PYRIDYLE ET COMPOSITIONS PHARMACEUTIQUES CONTENANT CES COMPOSES

(71) **CERMOL S.A.** [CH/CH]; CH-1902 Evionnaz (CH).
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(72, 75) **STATKOW, Pierre** [CH/CH]; 6, rue du Roveray, CH-1206 Genève (CH). **STRAUMANN, Danielle** [CH/CH]; 6, rue Pré Borvey, CH-1920 Martigny (CH). **CHATTERJEE, Shyam, S.** [DE/DE]; Stettiner Strasse 1, D-76139 Karlsruhe (DE). **SUNKEL LETELIER, Carlos** [ES/ES]; Calle Almaraz, 47, E-28033 Madrid (ES). **FAU DE CASA-JUANA MUNOZ, Miguel** [ES/ES]; Calle Torquemada, 17, E-28043 Madrid (ES). **ALVAREZ-BULLA GOMEZ, Julio** [ES/ES]; Calle Condado

de Trevino, 9, E-28033 Madrid (ES). **MINGUEZ ORTEGA, José M.** [ES/ES]; Calle Palestina, 17, E-28820 Coslada (ES).

(74) **LEGER, Jean-François**; Kirker & Cie S.A., 122, rue de Genève, P.O. Box 324, CH-1226 Thônex (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19303** (13) A1

(21) PCT/JP98/04583

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) ja (26) ja

(31) 9/279093 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 231/12, 231/14, 401/04, 401/14, 403/12, 409/04, 413/04, 413/12, 417/04, 417/12, 417/14, A61K 31/415, 31/425, 31/44, 31/47, 31/495, 31/535**

(54) ● PYRAZOLE DERIVATIVES
● DERIVES DE PYRAZOLE

(71) **YAMANOUCHI PHARMACEUTICAL CO., LTD.** [JP/JP]; 3-11, Nihonbashi-Honcho 2-chôme, Chuo-ku, Tokyo 103-8411 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KUBOTA, Hirokazu** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **YONETOKU, Yasuhiro** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **SUGASAWA, Keizou** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **FUNATSU, Masashi** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **KAWAZOE, Souichirou** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **TOYOSHIMA, Akira** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **OKAMOTO, Yoshinori** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **ISHIKAWA, Jun** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP). **TAKEUCHI, Makoto** [JP/JP]; Yamanouchi Pharmaceutical Co., Ltd., 21, Miyukigaoka, Tsukuba-shi, Ibaraki 305-8585 (JP).

(74) **NAGAI, Shozo** et al. / etc.; Yamanouchi Pharmaceutical Co., Ltd., Patent Dept., 17-1, Hasune 3-chôme, Itabashi-ku, Tokyo 174-8612 (JP).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19304** (13) A2

(21) PCT/US98/18507

(22) **21 Sep/sep 1998 (21.09.1998)**

- (25) en (26) en
- (31) 60/059,656 (32) **25 Sep/sep 1997** (33) US (25.09.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 239/00**
- (54) ● THIOALKYL ALPHA SUBSTITUTED PYRIMIDINE COMPOUNDS
● COMPOSES DE PYRIMIDINE THIOALKYL ALPHA SUBSTITUES
- (71) **PHARMACIA & UPJOHN COMPANY** [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MORRIS, Joel** [US/US]; 3001 Applelane, Kalamazoo, MI 49008 (US). **WISHKA, Donn, G.** [US/US]; 1431 Northampton Road, Kalamazoo, MI 49006 (US). **ADAMS, Wade, J.** [US/US]; 744 Garland Avenue, Kalamazoo, MI 49008 (US). **FRIIS, Janice, M.** [US/US]; 8749 South 2nd Street, Mat-tawan, MI 49071 (US).
- (74) **JAMESON, William, G.**; Pharmacia & Upjohn Company, Intellectual Property Legal Services, 301 Henrietta Street, Kalamazoo, MI 49001 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19305** (13) A2
- (21) PCT/US98/21517
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 60/062,339 (32) **15 Oct/oct 1997** (33) US (15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 239/48, 401/04, 239/42, 401/12, 401/06, 233/46, A61R 31/505**
- (54) ● SUBSTITUTED PYRIMIDINE DERIVATIVES, THEIR PREPARATION AND THEIR USE IN THE TREATMENT OF NEURODEGENERATIVE OR NEUROLOGICAL DISORDERS OF THE CENTRAL NERVOUS SYSTEM
● DERIVEES DE PYRIMIDINES SUBSTITUEES, LEUR PREPARATION ET LEUR UTILISATION POUR LE TRAITEMENT DES TROUBLES NEURODEGENERATIFS OU NEUROLOGIQUES DU SYSTEME NERVEUX CENTRAL
- (71) **KRENITSKY PHARMACEUTICALS INC.** [US/US]; Four University Place, 4611 University Drive, Durham, NC 27707 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KELLEY, James, L.** [US/US]; 10928 Raven Rock Drive, Raleigh, NC 27614 (US). **KRENITSKY, Thomas, A.** [US/US]; 106 Laurel Hill Road, Chapel Hill, NC 27514 (US). **BEAU-CHAMP, Lilia, M.** [US/US]; 3003 Wycliff Road, Raleigh, NC 27607 (US).
- (74) **SPRUILL, W., Murray** et al. / etc.; Bell Seltzer Intellectual Property Law Group, Alston & Bird LLP, P.O. Drawer 34009, Charlotte, NC 28234 (US).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19306** (13) A2
- (21) PCT/US98/21327
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,839 (32) **10 Oct/oct 1997** (33) US (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 243/24, A61R 31/55**
- (54) ● 2,3-BENZODIAZEPIN-2-ONE DERIVATIVES, THEIR PREPARATION AND THEIR USE AS INHIBITORS OF PROTEIN TYROSINE KINASES
● DERIVES DE 2,3-BENZODIAZEPIN-2-ONE, PREPARATION DE CES DERIVES, ET LEUR UTILISATION COMME INHIBITEURS DE PROTEINE TYROSINE KINASES
- (63) US 08/948,839 (CON)
10 Oct/oct 1997 (10.10.1997)
- (71) **BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 West 7th Street, Austin, TX 78701 (US). **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 22nd floor, 300 Lakeside Drive, Oakland, CA 94612-3550 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BUDDE, Raymond, J., A.** [US/US]; 4618 Holt, Bellaire, TX 77401 (US). **ELLMAN, Jonathan, A.** [US/US]; 5450 Masonic Avenue, Oakland, CA 94618 (US). **LEVIN, Victor, A.** [US/US]; 6344 Vanderbilt, Houston, TX 77005-3416 (US). **GALLICK, Gary, E.** [US/US]; 3202 Riverlawn Drive, Kingwood, TX 79339 (US). **NEWMAN, Robert, A.** [US/US]; 4404 Balboa Drive, Sugar Land, TX 77479 (US).
- (74) **HIBLER, David, W.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19307** (13) A1
- (21) PCT/EP98/06127
- (22) **26 Sep/sep 1998 (26.09.1998)**
- (25) de (26) de
- (31) 197 44 706.6 (32) **10 Oct/oct 1997** (33) DE (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 249/12**
- (54) ● PROCESS FOR PREPARING TRIAZOLINE THIONE DERIVATIVES
● PROCEDE DE PRODUCTION DE DERIVES DE TRIAZOLINETHIONE
- (71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **JAUTELAT, Manfred** [DE/DE]; Müllersbaum 28, D-51399 Burscheid (DE). **ERDMAN, David** [US/DE]; Hahnenweg 3, D-51061 Köln (DE).
- (74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19308** (13) A1
- (21) PCT/US98/21911
- (22) **16 Oct/oct 1998 (16.10.1998)**
- (25) en (26) en
- (31) 60/062,273 (32) **16 Oct/oct 1997** (33) US (16.10.1997)
- (31) 09/172,157 (32) **14 Oct/oct 1998** (33) US (14.10.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 249/12**
- (54) ● PROCESS AND INTERMEDIATES FOR THE PREPARATION OF A TRIAZOLINE HERBICIDE
● PROCEDE ET INTERMEDIAIRES POUR LA PREPARATION D'UN HERBICIDE A BASE DE TRIAZOLINE
- (71) **FMC CORPORATION** [US/US]; 1735 Market Street, Philadelphia, PA 19103 (US).
- (72) **CRISPINO, Gerard**; 104 Olympic Court #4, Princeton, NJ 08540 (US). **GOUDAR, Jaidev, S.**; 25-08 Fox Run Drive, Plainsboro, NJ 08536 (US).
- (74) **CALDWELL, John, W.**; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19309** (13) A1
- (21) PCT/EP98/06124
- (22) **26 Sep/sep 1998 (26.09.1998)**
- (25) de (26) de
- (31) 197 44 711.2 (32) **10 Oct/oct 1997** (33) DE (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C07D 251/48, 405/12, 409/12, A01N 43/68**

- (54) ● SUBSTITUTED 2,4-DIAMINO-1,3,5-TRIAZINES
● 2,4-DIAMINO-1,3,5-TRIAZINES SUBSTITUEES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE). **NIHON BAYER AGROCHEM K.K.** [JP/JP]; 10-8, Takanawa 4-chome, Minato-ku, Tokyo 108 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RIEBEL, Hans-Jochem** [DE/DE]; In der Beek 92, D-42113 Wuppertal (DE). **DICKERSHOFF, Hans-Joachim** [DE/DE]; Bismarckstrasse 47, D-42115 Wuppertal (DE). **KOTYSCH, Wolf-Rüdiger** [DE/DE]; Ferberstrasse 29, D-40764 Langenfeld (DE). **LEHR, Stefan** [DE/DE]; Am Benthall 54, D-51381 Leverkusen (DE). **LENDER, Andreas** [DE/DE]; Niederradenberg 20, D-42327 Wuppertal (DE). **KIRSTEN, Rolf** [DE/DE]; Carl-Langhans-Strasse 27, D-40789 Monheim (DE). **STELZER, Uwe** [DE/DE]; Adolph-Kolping-Strasse 22a, D-51399 Burscheid (DE). **VOIGT, Katharina** [DE/DE]; Grossheidstrasse 121, D-50080 Aachen (DE). **GESING, Ernst, R. F.** [DE/DE]; Trillser Graben 4, D-40699 Erkrath-Hochdahl (DE). **DOLLINGER, Markus** [DE/US]; 13210 Knox, Overland Park, KS 66213 (US). **GOTO, Toshio** [JP/JP]; 214-18, Koganei, Kokubunji Shimotsuga, Tochigi 329-0414 (JP). **WATANABE, Yukiyooshi** [JP/JP]; 2-8-24, Hanagaki, Oyama-shi, Tochigi 323-0027 (JP).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/NL98/00583

(22) **12 Oct/oct 1998 (12.10.1998)**

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(31) 60/062,574 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 251/60, B05B 9/00**

(54) ● PROCESS FOR THE PREPARATION OF MELAMINE
● PROCEDE RELATIF A L'ELABORATION DE LA MELAMINE

(71) **DSM N.V.** [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BEST, David, Edward** [US/US]; 42238 Jamie Street, Prairieville, LA 70769 (US). **TJIOE, Tjay, Tjien** [NL/NL]; Hillenraedtstraat 7, NL-6136 BR Sittard (NL).

(74) **VAN BOKHOVEN, Petrus, Hubertus, Maria;** Octrooibureau DSM, P.O. Box 9, NL-6160 MA Geleen (NL).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19311** (13) A1

(21) PCT/EP98/06232

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) de (26) de

(31) 197 45 375.9 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(31) 198 05 611.7 (32) **12 Feb/fév 1998 (12.02.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 273/00, A01N 43/88, C07D 413/12, C07C 251/76, 251/80**

(54) ● AZINES CONTAINING THE 5,6-DI-HYDRO-(1,4,2) DIOXAZINE-3-YL GROUP AND THE USE THEREOF AS FUNGICIDES

● AZINES CONTENANT LE GROUPE 5,6-DIHYDRO-(1,4,2)DIOXAZINE-3-YLE ET LEUR UTILISATION COMME FONGICIDES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRÜGER, Bernd-Wieland** [DE/DE]; Am Vorend 52, D-51467 Bergisch Gladbach (DE). **GAYER, Herbert** [AT/DE]; Sandstrasse 66, D-40789 Monheim (DE). **STENZEL, Klaus** [DE/DE]; Seesener Strasse 17, D-40595 Düsseldorf (DE). **HÄNSSLER, Gerd** [DE/DE]; Am Arenzberg 58a, D-51381 Leverkusen (DE). **MAULER-MACHNIK, Astrid** [DE/DE]; Neuenkamper Weg 46a, D-42799 Leichlingen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19312** (13) A1

(21) PCT/EP98/06274

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) de (26) de

(31) 197 45 376.7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 273/00, 413/12, A01N 43/88**

(54) ● MICROBICIDE 1,4,2-DIOXACINE DERIVATIVES

● DERIVES DE 1,4,2-DIOXAZINE MICROBICIDES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KRÜGER, Bernd-Wieland** [DE/DE]; Am Vorend 52, D-51467 Bergisch Gladbach (DE). **STENZEL, Klaus** [DE/DE]; Seesener Strasse 17, D-40595 Düsseldorf (DE). **DUTZMANN, Stefan** [DE/DE]; Weissenstein 95, D-40764 Langenfeld (DE). **MAULER-MACHNIK, Astrid** [DE/DE]; Neuenkamper Weg 46a, D-42799 Leichlingen (DE). **HÄNSSLER, Gerd** [DE/DE]; Am Arenzberg 58a, D-51381 Leverkusen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19313** (13) A1

(21) PCT/US98/01397

(22) **23 Jan/jan 1998 (23.01.1998)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 279/26, 265/38, 417/06, 413/06, A61K 31/54, 31/535, C07C 69/734, 59/64**

(54) ● NOVEL TRICYCLIC COMPOUNDS AND THEIR USE IN MEDICINE; PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

● NOUVEAUX COMPOSES TRICYCLIQUES ET LEUR UTILISATION EN MEDECINE. PROCEDE DE PREPARATION DE CES DERNIERS ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT

(71) **DR. REDDY'S RESEARCH FOUNDATION** [IN/IN]; Bollaram Road, Miyapur, Hyderabad 500 138 Andhra Pradesh (IN). **REDDY-CHEMINOR, INC.** [US/US]; 66 South Maple Avenue, Ridge-wood, NJ 07450 (US).

(72) **LOHRAY, Braj, Bhushan**; Plot. No. 986, Road No. 50, Jubilee Hills, Hyderabad 500 033 A. P. (IN). **LOHRAY, Vidya, Bhushan**; Plot. No. 986, Road No. 50, Jubilee Hills, Hyderabad 500 033 A. P. (IN). **BAJJI, Ashok, Channaveerappa**; Plot No. 31, J.P.N. Nagar, Bollaram Road, Miyapur, Hyderabad 500 050 A. P. (IN). **KALCHAR, Shivaramayya**; 6-18/C Adarshnagar Colony, Serlingampally, Hyderabad 500 019 (IN). **RAMANUJAM, Rajagopalan**; 28, Vishaal Towers, 8-3-682, Navodaya Colony, Yellareddy Guda, Hyderabad 500 873 A. P. (IN). **CHAKRABARTI, Ranjan**; Flat No. 104, Ravi Teja Apartments, 283/3RT, S.R. Nagar, Hyderabad 500 038 A. P. (IN).

(74) **RICHARDS, John**; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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(11) **WO 99/19314** (13) A1

(21) PCT/US98/21245

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,051 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 295/02, 295/12, 241/24**

(54) ● PROCESS FOR PREPARING SUBSTITUTED PYRAZINE COMPOUNDS

- PROCEDE DE PREPARATION DE COMPOSES DE PYRAZINE SUBSTITUES
- (71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).
- (72) **ZHANG, Weijiang**; 389 Ashford Lane, Grayslake, IL 60030 (US).
- (74) **WARD, Michael, J.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).
- (81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19315** (13) A1

(21) PCT/JP98/04352

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) ja (26) ja

(31) 9/293478 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 295/22**

- (54) ● NEW PROCESS FOR PRODUCING AMINOPIPERAZINE DERIVATIVES
- NOUVEAU PROCEDE DE PRODUCTION DE DERIVES D'AMINOPIPERAZINE

(71) **FUJISAWA PHARMACEUTICAL CO., LTD.** [JP/JP]; 4-7, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-8514 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KAGARA, Kooji** [JP/JP]; 17-12, Onoharanishi 3-chome, Mino-shi, Osaka 562-0032 (JP). **HASHIMOTO, Norio** [JP/JP]; 2-3-207, Shirakawa 3-chome, Ibaraki-shi, Osaka 567-0832 (JP). **KANDA, Atsushi** [JP/JP]; 4-20-313, Kumano-cho, Nishinomiya-shi, Hyogo 663-8103 (JP). **BABA, Yukihisa** [JP/JP]; 2-2-902, Naruse Mukogawa-cho, Nishinomiya-shi, Hyogo 669-1104 (JP). **FURUTERA, Tetsuo** [JP/JP]; 6-1-905, Sumiregaoka 3-chome, Takarazuka-shi, Hyogo 665-0847 (JP).

(74) **YOSHIKAWA, Toshio**; Murahama Building, 6F, 9-19, Higashinoda-cho 4-chome, Miyakojima-ku, Osaka-shi, Osaka 534-0024 (JP).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19316** (13) A1

(21) PCT/EP98/06213

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 197 44 705.8 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 307/83**

- (54) ● METHOD FOR PREPARING OPTIONALLY SUBSTITUTED BENZOFURANONES
- PROCEDE DE PREPARATION DE BENZOFURANONES EVENTUELLEMENT SUBSTITUEES

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GALLENKAMP, Bernd** [DE/DE]; Paul-Ehrlich-Strasse 13, D-42113 Wuppertal (DE). **GERDES, Peter** [DE/DE]; Waldstrasse

75, D-52080 Aachen (DE). **GAYER, Herbert** [AT/DE]; Sandstrasse 66, D-40789 Monheim (DE). **ROHE, Lothar** [DE/DE]; Damaschkeweg 75, D-42113 Wuppertal (DE). **MULDER, Lubbertus** [NL/DE]; Auf dem Gellenkamp 44, D-58135 Hagen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19317** (13) A1

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(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 97203154.6 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 307/93, 493/04, A61K 31/34, 31/495, 31/535, 31/445**

- (54) ● HALOGEN SUBSTITUTED TETRACYCLIC TETRAHYDROFURAN DERIVATIVES
- DERIVES DE TETRACYCLIQUES TETRAHYDROFURANICIQUES HALOGENO-SUBSTITUES

(71) **JANSSEN PHARMACEUTICA N.V.** [BE/BE]; Turnhoutseweg 30, B-2340 Beerse (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDRÉS-GIL, José Ignacio** [ES/ES]; Vesubiana, 22, Getafe-Sector 3, E-28905 Madrid (ES). **FERNÁNDEZ-GADEA, Francisco Javier** [ES/ES]; Sagra, 20, Cerro De Las Perdices (Bargas), E-45593 Toledo (ES). **GIL-LOPETEGUI, Pilar** [ES/ES]; Santa Ursula, 10, E-45002 Toledo (ES). **DÍAZ-MARTÍNEZ, Adolfo** [ES/ES]; Avenida España, 43, 2 D Getafe, E-28903 Madrid (ES).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19318** (13) A1

(21) PCT/JP98/04524

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ja (26) ja

(31) 9/277312 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 311/22, 311/54, 311/24, 335/06, 405/04, 409/04**

- (54) ● CHROMONE COMPOUNDS AND USE THEREOF
- COMPOSES DE CHROMONE ET LEURS UTILISATIONS

(71) **OTSUKA CHEMICAL CO., LTD.** [JP/JP]; 2-27, Otedori 3-chome, Chuo-ku, Osaka-shi, Osaka 540-0021 (JP).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAKAHASHI, Nobuyoshi** [JP/JP]; Ikutahaitu 5, 187-4, Aza Higashihama, Minamihama, Muya-cho, Naruto-shi, Tokushima 772-0003 (JP). **GOTODA, Satoshi** [JP/JP]; 798-2-705, Kizu, Muya-cho, Naruto-shi, Tokushima 772-0004 (JP). **NAKAGAWA, Hirofumi** [JP/JP]; Kasugahaitu B-402, 4-56, Kasuga 1-chome, Tokushima-shi, Tokushima 770-0002 (JP). **MURAKAMI, Mitsuyuki** [JP/JP]; 65-13, Aza Miyahogashi, Kitahama, Muya-cho, Naruto-shi, Tokushima 772-0015 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Doshomachi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IS KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19319** (13) A1

(21) PCT/US98/21392

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,226 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 311/62, 311/60, 311/32, C07H 17/06, A61K 31/35**

- (54) ● SYNTHETIC METHODS FOR POLYPHENOLS
- PROCEDES SYNTHETIQUES DE PRODUCTION DE POLYPHENOLS

(71) **MARS INCORPORATED** [US/US]; 6885 Elm Street, McLean, VA 22101-3883 (US).

(72) **ROMANCZYK, Leo, J., Jr.**; 4 Fern Drive Road #3, Hackettstown, NJ 07840 (US). **KOZIKOWSKI, Alan, P.**; 45 Cameron Court, Princeton, NJ 08540 (US). **TUECKMANTEL, Werner**; Apartment #945, 2500 Wisconsin Avenue, N.W., Washington, DC 20007 (US). **LIPPMAN, Marc, E.**; 9220 Vendome Drive, Bethesda, MD 20817 (US).

(74) **KELLEY, Margaret B.** et al. / etc.; Rogers & Wells, 200 Park Avenue, New York, NY 10166-0153 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19320** (13) A1

(21) PCT/EP98/05945

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) de (26) de

(31) 197 45 146.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 333/16, 241/42, C07C 271/22, C07D 215/14, A61K 31/38, 31/47, 31/495

(54) ● NOVEL PHARMACEUTICALLY ACTIVE COMPOUNDS, THEIR PREPARATION AND USE AS EC-E-INHIBITORS

● NOUVEAUX COMPOSES A ACTION PHARMACEUTIQUE, LEUR PRODUCTION ET LEUR UTILISATION COMME INHIBITEURS DE L'ECE

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **PUHL, Michael** [DE/DE]; Lilienthalstrasse 10, D-65760 Eschborn (DE). **ZECHEL, Johann-Christian** [DE/DE]; Schreiberweg 7, D-69226 Nußloch (DE). **DITRICH, Klaus** [DE/DE]; Raifelsenstrasse 26, D-67161 Gönheim (DE). **HILLEN, Heinz** [DE/DE]; Max-Planck-Strasse 17, D-67454 Haßloch (DE). **KOHL, Tanja** [DE/DE]; Bahnstrasse 42, D-67158 Ellerstadt (DE). **ERHARDT, Melanie** [DE/DE]; Lindenweg 7, D-67136 Fußgönheim (DE). **HERGENRÖDER, Stefan** [DE/DE]; Hans-Böckler-Strasse 108, D-55128 Mainz (DE). **MARKERT, Claus, Otto** [DE/DE]; Mannheimer Strasse 54, D-67105 Schifferstadt (DE).(74) **BASF AKTIENGESELLSCHAFT**; D-67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19321** (13) A1

(21) PCT/US98/21526

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,972 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 333/38

(54) ● SYNTHESIS OF 3-CARBOMETHOXY-4,5-DIMETHYLTHIOPHENE

● SYNTHESE DU 3-CARBOMETHOXY-4,5-DIMETHYLTHIOPHENE

(71) **MONSANTO COMPANY** [US/US]; 800 N. Lindbergh Boulevard, St. Louis, MO 63167 (US).(72) **FEVIG, Thomas, L.**; 2608 Wood Stone Trail Drive, Wildwood, MO 63038 (US). **LAU, Patrick, H.**; 2067 Meadowbrook Way, Chesterfield, MO 63017 (US). **PHILLIPS, Wendell, G.**; 18039 Shepard Ridge Road, Wildwood, MO 63038 (US).(74) **WELLS, Harold, N.**; P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19322** (13) A1

(21) PCT/US98/20919

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,886 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 401/04, A61K 31/445

(54) ● ETHYL 4-(8-CHLORO-5, 6-DIHYDRO-11H-BENZO[5,6]CYCLOHEPTA [1,2-b]PYRIDIN-11-YLIDENE)-1- PIPERIDENE CARBOXY-LATE POLYMORPH

● POLYMORPHE D'ETHYL 4-(8-CHLORO-5, 6-DIHYDRO-11H-BENZO[5,6]CYCLOHEPTA [1,2-b]PYRIDINE-11-YLIDENE)-1- PIPERIDENE CARBOXY-LATE

(63) US 08/948,886 (CON)
10 Oct/oct 1997 (10.10.1997)(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **GALA, Dinesh** [US/US]; 9 Silvester Court, East Brunswick, NJ 08816 (US). **DIBENEDETTO, Donald, J.** [US/US]; 34 Karlan Drive, Whippany, NJ 07981 (US).(74) **HOFFMAN, Thomas, D.** et al. / etc.; Schering-Plough Corporation, Patent Dept., K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19323** (13) A1

(21) PCT/DK98/00432

(22) **8 Oct/oct 1998 (08.10.1998)**

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(31) 1160/97 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DK

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 401/10, A61K 31/44, C07C 239/20

(54) ● BENZIMIDAZOLE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING THE COMPOUNDS AND THEIR USE

● COMPOSES DE TYPE BENZIMIDAZOLE, COMPOSITIONS PHARMACEUTIQUES RENFERMANT DES COMPOSES ET LEUR UTILISATION

(71) **NEUROSEARCH A/S** [DK/DK]; Smedeland 26 B, DK-2600 Glostrup (DK). **MELJI SEIKA KAISHA, LTD.** [JP/JP]; 4-16, Kyobashi 2-chome, Chuo-ku, Tokyo 104 (JP).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **TEUBER, Lene** [DK/DK]; NeuroSearch a/s, Smedeland 26 B, DK-2600 Glostrup (DK). **WÄTJEN, Frank** [DK/DK]; NeuroSearch a/s, Smedeland 26 B, DK-2600 Glostrup (DK). **FUKUDA, Yoshimasa** [JP/JP]; Meiji Seika Kaisha, Ltd., 4-16, Kyobashi 2-chome, Chou-ku, Tokyo 104 (JP). **ICHIMARU, Yasuyuki** [JP/JP]; Meiji Seika Kaisha, Ltd., 4-16, Kyobashi 2-chome, Chou-ku, Tokyo 104 (JP).(74) **NEUROSEARCH A/S**; Smedeland 26 B, DK-2600 Glostrup (DK).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19324** (13) A2

(21) PCT/EP98/06521

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 97203107.4 (32) **7 Oct/oct 1997 (07.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 409/00(54) ● SUBSTITUTED PIPERIDINE DERIVATIVES
● DERIVES DE PIPERIDINE SUBSTITUES(71) **AKZO NOBEL N.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **RAE, Duncan, Robertson** [GB/GB]; 17 Cleghorn Road, Lanark, Lanarkshire ML11 7QR (GB). **JAAP, David, Robert** [GB/GB]; 55A Baldoran Crescent, Balloch, Cumbernauld G68 9IX, Glasgow (GB).(74) **KRAAK, H.**; P.O. Box 20, NL-5340 BH Oss (NL).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19325** (13) A1

(21) PCT/FR98/02137

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) fr (26) fr

(31) 97/12580 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR(31) 97/12583 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C07D 451/02, A61K 31/36(54) ● 8-AZABICYCLO [3.2.1] OCTANE-3-METHANAMINE DERIVATIVES AS LIGANDS OF D2 AND D3 DOPAMINE AND 5HT1A AND 5HT2 SEROTONIN RECEPTORS
● DERIVES DE 8-AZABICYCLO [3.2.1] OCTANE-3-METHANAMINE EN TANT QUE LIGANDS DES RECEPTEURS DE DOPAMINE D2 ET D3 ET DE SEROTONINE 5HT1A ET 5HT2(71) **SYNTHELABO** [FR/FR]; 22, avenue Galilée, F-92350 Le Plessis Robinson (FR).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **MARABOUT, Benoît** [FR/FR]; 21, rue Marie Curie, F-91380 Chilly Mazarin (FR). **SEVRIN, Mireille** [BE/FR]; 73, rue Raymond Losserand, F-75014 Paris (FR). **GEORGE, Pascal** [BE/FR]; 19, rue des Quatre Vents, F-78730 Saint Arnoult en Yvelines (FR). **MERLY, Jean-Pierre** [FR/FR]; 11, avenue Jules Guesde, F-92330 Sceaux (FR).

- DE PERETTI, Danièle** [FR/FR]; 42, avenue de Verdun, F-92160 Antony (FR). **ROY, Jocelyne** [FR/FR]; 6, rue de l'Hôtel de Ville, F-91130 Ris Orangis (FR). **MACHNIK, David** [FR/FR]; 42, rue Dareau, F-75014 Paris (FR).
- (74) **LUDWIG, Jacques**; Synthelabo, 22, avenue Gallilée, F-92350 Le Plessis Robinson (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19326** (13) A1
(21) PCT/JP98/04664
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) ja (26) ja
(31) 9/281769 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07D 471/14 // A61K 31/505**
(54) ● PIPERIDINE DERIVATIVES
● DERIVES DE PIPERIDINE
(71) **KYOWA HAKKO KOGYO CO., LTD.** [JP/JP]; 6-1, Ohtemachi 1-chome, Chiyoda-ku, Tokyo 100-8185 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **OKAMURA, Yuko** [JP/JP]; 151-1-306, Honjuku, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0945 (JP). **FUJIWARA, Shigeki** [JP/JP]; 104-2-403, Ichouda, Mishima-shi, Shizuoka 411-0025 (JP). **SASAKI, Shin-ichi** [JP/JP]; 1188, Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0943 (JP). **YAO, Kozo** [JP/JP]; 410-1, Nameri, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0933 (JP). **NONAKA, Hiromi** [JP/JP]; 580-71, Tokura, Shimizu-cho, Sunto-gun, Shizuoka 411-0917 (JP). **KARASAWA, Akira** [JP/JP]; 378-6, Nameri, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0933 (JP). **SUZUKI, Koji** [JP/JP]; 1-8-4, Sanomiharashidai, Mishima-shi, Shizuoka 411-0041 (JP).
- (81) AU BG BR CA CN CZ HU IL JP KR MX NO NZ PL RO SG SI SK UA US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19327** (13) A1
(21) PCT/GB98/03080
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 9721780.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07D 473/00**
(54) ● PROCESS FOR THE SYNTHESIS OF CHLOROPURINE INTERMEDIATES
● PROCEDE DE SYNTHÈSE D'INTERMÉDIAIRES DE LA CHLOROPURINE
(71) **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **JONES, Martin, Francis** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB). **WALLIS, Christopher, John** [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).
- (74) **PETT, Christopher, Phineas**; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19328** (13) A1
(21) PCT/JP98/04644
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) PCT/JP97/03695 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(31) 9/366728 (32) **26 Dec/déc 1997 (26.12.1997)** (33) JP
(31) 10/46369 (32) **13 Feb/fév 1998 (13.02.1998)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07D 487/22**
(54) ● METHOD FOR ACYLATING HEXAKIS (ARYLMETHYL) HEXAAZAISOWURTZITANE
● PROCEDE D'ACYLATION D'HEXAKIS (ARYLMETHYL) HEXAAZAISOWURTZITANE
(71) **ASAHI KASEI KOGYO KABUSHIKI KAISHA** [JP/JP]; 2-6, Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530-8205 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KODAMA, Tamotsu** [JP/JP]; Ootaka-Ryo 3-202, 1063, Higashi-tomii, Kurashiki-shi, Okayama-ken 710-0847 (JP). **ISHIHARA, Naoko** [JP/JP]; 1-37-6-304, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa-ken 211-0053 (JP). **MINOURA, Haruyuki** [JP/JP]; 629-87, Nishi-tomii, Kurashiki-shi, Okayama-ken 710-0845 (JP). **MIYAKE, Nobuhisa** [JP/JP]; 953, Tsurushinden, Tsurajimacho, Kurashiki-shi, Okayama-ken 712-8006 (JP). **YAMAMATSU, Setsuo** [JP/JP]; 1434-15, Atsuhara, Fuji-shi, Shizuoka-ken 419-0201 (JP).
- (74) **YOSHIOKA, Masashi**; Akasaka Habitation Building, 3rd floor, 3-5, Akasaka 1-chome, Minato-ku, Tokyo 107-0052 (JP).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19329** (13) A1
(21) PCT/EP98/06377
(22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
(31) MI97A002299 (32) **10 Oct/oct 1997 (10.10.1997)** (33) IT
(31) MI97A02300 (32) **10 Oct/oct 1997 (10.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07D 498/04, 487/04, A61K 31/535 // (C07D 498/04, 265:00, 209:00) (C07D 487/04, 209:00, 209:00)**
(54) ● A PROCESS FOR THE PREPARATION OF AMINOCARBONYL DERIVATIVES OF GENESEROLINE HAVING SELECTIVE BRAIN ANTICHLINESTERASE ACTIVITY
● PROCEDE DE PREPARATION DE DERIVES AMINOCARBONYLE DE GENESEROLINE AYANT UNE ACTIVITE ANTICHLINESTERASE SELECTIVE DANS LE CERVEAU
(71) **CHIESI FARMACEUTICI S.P.A.** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **CHIESI, Paolo** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **VENTURA, Paolo** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **SERVADIO, Vittorio** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **PIGHI, Roberto** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **PIVETTI, Fausto** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **SALSI, Bluetta** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **DELCANALE, Maurizio** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **AMARI, Gabriele** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **PIETRA, Claudio** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT). **VILLETTI, Gino** [IT/IT]; Via Palermo, 26/A, I-43100 Parma (IT).
- (74) **MINOJA, Fabrizio**; Bianchetti Bracco Minoja S.r.l., Via Rossini, 8, I-20122 Milano (IT).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
- (11) **WO 99/19330** (13) A1
(21) PCT/JP98/04520
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) ja (26) ja
(31) PO 9732 (32) **10 Oct/oct 1997 (10.10.1997)** (33) AU
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07D 501/24, 501/04, 501/06, A61K 31/545**
(54) ● NOVEL CEPHEM COMPOUNDS
● NOUVEAUX COMPOSES DE CEPHEM
(71) **FUJISAWA PHARMACEUTICAL CO., LTD.** [JP/JP]; 4-7, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-8514 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KAWABATA, Kohji** [JP/JP]; 2-5-30, Maruyamadai, Kawanishi-shi, Hyogo 666-0152 (JP). **YAMANAKA, Toshio** [JP/JP]; 2-2-36, Akagawa, Asahi-ku, Osaka-shi, Osaka 535-0005 (JP). **SAKURAI, Minoru** [JP/JP]; 2-18-1-A206, Haradamotomachi, Toyonaka-shi, Osaka 561-0808 (JP). **KISHI, Kohei** [JP/JP]; 5-23, Sakaemachi, Kadoma-shi, Osaka 571-0047 (JP).

(74) **TAKASHIMA, Hajime**; Yuki Building, 3-9, Hiranomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-0046 (JP).

(81) BR CA CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19331** (13) A1

(21) PCT/US98/21594

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/062,180 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 9806417.3 (32) **25 Mar/mar 1998 (25.03.1998)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07D 521/00, C07H 17/08, A61K 31/70**

(54) ● 8A-AZALIDES, COMPOSITIONS CONTAINING SUCH COMPOUNDS AND METHODS OF TREATMENT

● 8A-AZALIDES, COMPOSITIONS CONTENANT DE TELS COMPOSES, ET METHODES DE TRAITEMENT ASSOCIEES

(71) **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BLIZZARD, Timothy, A.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **HAMMOND, Milton, L.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **SANTORELLI, Gina, M.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **MORGAN, Jerry, D., II** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(74) **MERCK & CO., INC.**; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MW MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19332** (13) A1

(21) PCT/EP98/06162

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) de (26) de

(31) 60/061,619 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 197 45 628.6 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07F 9/32, A61K 31/66**

(54) ● COMBINED GENERATION OF PHOSPHINIC ACID DERIVATIVES

● PRODUCTION COMBINEE DE DERIVES D'ACIDE PHOSPHINIQUE

(71) **HOECHST SCHERING AGREVO GMBH** [DE/DE]; Mirastrasse 54, D-13509 Berlin (DE).

(72) **HAAF, Klaus**; Robert-Koch-Strasse 9, D-65779 Kelkheim (DE). **PATEK, Marcel**; Apartment 16203, 10700n. La Reserve Drive, Tucson, AZ 85737 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MW MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19333** (13) A1

(21) PCT/US98/21779

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,351 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07F 9/38**

(54) ● CARBON DIOXIDE ASSISTED HYDROLYSIS OF AMINOPHOSPHONATES

● HYDROLYSE D'AMINOPHOSPHONATES AU DIOXYDE DE CARBONE

(71) **MONSANTO COMPANY** [US/US]; 800 N. Lindbergh Boulevard, St. Louis, MO 63167 (US).

(72) **JOHNSON, Todd, J.**; 8 Amber Wave Court, O'Fallon, MO 63366 (US). **MILLER, William, H.**; 1000 Nancy Carol Lane, Glendale, MO 63122 (US).

(74) **KAMMERER, Patricia, A.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19334** (13) A1

(21) PCT/US98/21823

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,346 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07F 9/40, 9/38**

(54) ● SELECTIVE FUNCTIONALIZATION OF SODIUM GLYCINATE

● FONCTIONNALISATION SELECTIVE DU GLYCINATE DE SODIUM

(71) **MONSANTO COMPANY** [US/US]; 800 N. Lindbergh Boulevard, St. Louis, MO 63167 (US).

(72) **MILLER, William, H.**; 1000 Nancy Carol Lane, Glendale, MO 63122 (US). **ROGERS, Michael, D.**; 12465 Dawn Hill Drive, Maryland Heights, MO 63043 (US).

(74) **KAMMERER, Patricia, A.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19335** (13) A1

(21) PCT/GB98/03027

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721559.4 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07F 11/00, C08F 4/69, 10/00**

(54) ● NOVEL POLYMERISATION CATALYSTS

● NOUVEAUX CATALYSEURS DE POLYMERISATION

(71) **BP CHEMICALS LIMITED** [GB/GB]; Britannic House, 1 Finsbury Circus, London EC2M 7BA (GB). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GIBSON, Vernon, Charles** [GB/GB]; Flat 2, 46 Prince's Gate, Exhibition Road, London SW7 2QA (GB). **NEWTON, Claire** [GB/GB]; Cochin, 26 Shardloes, Branston, Lincoln, Lincolnshire LN4 1UD (GB). **SOLAN, Gregory, Adam** [GB/GB]; 16 Nelmess Crescent, Hornchurch, Essex RM11 2QB (GB).

(74) **SMITH, Julian, Philip, Howard**; BP International Limited, Group Patents & Agreements, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19336** (13) A1

(21) PCT/GB98/03069

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721583.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(31) 9722513.0 (32) **24 Oct/oct 1997 (24.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07F 15/06, 15/04, C08J 5/10, C08K 5/00, C08L 21/00**

(54) ● RUBBER ADHESION PROMOTERS

● PROMOTEURS D'ADHESION A DU CAOUT-CHOUC

(71) **RHODIA LIMITED** [GB/GB]; Oak House, Reeds Crescent, Watford, Hertfordshire WD1 1QH (GB). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **HILTON, John, Michael** [GB/GB]; 7 Woodland View, Bromley Cross, Bolton BL7 9NS (GB). **HAWKINS, Ian, Michael** [GB/GB]; Chen Valley Road, Greenfield, Oldham OL3 7NS (GB). **WILSON, Jonathan, Colin** [GB/GB]; 5 Brentwood Court, Lowther Road, Prestwich M25 9PX (GB).
- (74) **ELLIS-JONES, Patrick, George, Armine** et al. / etc.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19337** (13) A1
(21) PCT/EP98/06268
(22) **1 Oct/oct 1998 (01.10.1998)**
(25) de (26) de
(31) A 1710/97 (32) **9 Oct/oct 1997 (09.10.1997)** (33) AT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07F 17/00, C08F 10/00**
(54) ● METALLOCENES WITH FERROCENYL-SUBSTITUTED BRIDGES USED IN OLEFIN POLYMERIZATION
● METALLOCENES A PONTS SUBSTITUES PAR FERROCENYLE, S'UTILISANT POUR LA POLYMERISATION PAR OLEFINE
(71) **BOREALIS AG** [AT/AT]; Danubiastrasse 21-25, A-2323 Schwechat-Mannswörth (AT). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **SCHOTTENBERGER, Herwig** [AT/AT]; Moos Nr. 8, A-6082 Patsch (AT). **WARTUSCH, Ingo** [AT/AT]; Haus Nr. 181, A-6165 Telfs im Stubai (AT). **ERNST, Eberhard** [DE/AT]; Baderberg 4, A-4223 Katsdorf (AT). **REUSSNER, Jens** [DE/AT]; Kammerschlag 29, A-4201 Gramastetten (AT).
(74) **KUNZ, Ekkehard**; Agrolinz Melamin GmbH, St.-Peter-Strasse 25, A-4021 Linz (AT).
(81) BR JP KR NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19338** (13) A1
(21) PCT/US98/21717
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/949,388 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07H 19/00, 21/00, 21/02, 21/04**
(54) ● INHIBITORS OF NUCLEOSIDE METABOLISM
● INHIBITEURS DU METABOLISME DES NUCLEOSIDES
(71) **ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY** [US/US]; 1300 Morris Park Avenue, Bronx, NY 10461 (US). **Industrial Research Limited** [NZ/NZ]; Gracefield Research Centre, Gracefield Road, P.O. Box 31-310, Lower Hutt DX SX 11189 (NZ).
- (72) **FURNEAUX, Richard, Hubert**; 35 Huntington Street, Wilton, Wellington 6005 (NZ). **TYLER, Peter, Charles**; 143 Creswick Terrace, Northland, Wellington 6001 (NZ). **SCHRAMM, Vern, L.**; 68 Hampton Oval, New Rochelle, NY 10805 (US).
- (74) **GEORGE, Kenneth, P.** et al. / etc.; Amster, Rothstein & Ebenstein, 90 Park Avenue, New York, NY 10016 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19339** (13) A1
(21) PCT/US98/21142
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 60/061,463 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/061,529 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/071,498 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/061,527 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/061,536 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(31) 60/061,532 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07H 21/00, C12N 1/15, 1/21, 5/10, 15/10, 15/12, 15/63**
(54) ● 53 HUMAN SECRETED PROTEINS
● 53 PROTEINES SECRETEES HUMAINES
(71) **HUMAN GENOME SCIENCES, INC.** [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **BREWER, Laurie, A.** [US/US]; Apartment 115, 410 Van Dyke Street, St. Paul, MN 55119-4321 (US). **OLSEN, Henrik, S.** [DK/US]; 182 Kendrick Place No. 24, Gaithersburg, MD 20878 (US). **DUAN, Roxanne** [US/US]; 5515 Northfield Place, Bethesda, MD 20817 (US). **EBNER, Reinhard** [DE/US]; 9906 Shelburne Terrace No. 316, Gaithersburg, MD 20878 (US). **ROSEN, Craig, A.** [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US). **RUBEN, Steven, M.** [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832 (US). **FLORENCE, Kimberly, A.** [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US). **YOUNG, Paul, E.** [US/US]; 122 Beckwith Street, Gaithersburg, MD 20878 (US). **YU, Guo-Liang** [CN/US]; 1714-C Marina Court, San Mateo, CA 94403 (US). **FERRIE, Ann, M.** [US/US]; 120 Fox Run Drive, Tewksbury, MA 01876 (US). **FLORENCE, Charles** [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US).
- (74) **BROOKES, A., Anders** et al. / etc.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19340** (13) A1
(21) PCT/US98/21502
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/950,779 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07H 21/00, 21/02, 21/04, C07C 321/00, 323/00, 381/00**
(54) ● IMPROVED SYNTHESIS OF SULFURIZED OLIGONUCLEOTIDES
● SYNTHESE AMELIOREE D'OLIGONUCLEOTIDES SOUFRES
(71) **ISIS PHARMACEUTICALS, INC.** [US/US]; 2292 Faraday Avenue, Carlsbad, CA 92008 (US). (for all designated States except / pour tous les États désignés sauf US)
(72, 75) **COLE, Douglas, L.** [US/US]; 4992 Smith Canyon Court, San Diego, CA 92130 (US). **RAVIKUMAR, Vasulinga, T.** [IN/US]; 6606 Vireo Court, Carlsbad, CA 92009 (US). **CHERUVALATH, Zacharia, S.** [IN/US]; 7813 Roan Road, San Diego, CA 92129 (US).
(74) **CALDWELL, John, W.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19341** (13) A1
(21) PCT/US98/17862
(22) **28 Aug/août 1998 (28.08.1998)**
(25) en (26) en
(31) 60/061,511 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(31) 60/076,570 (32) **2 Mar/mar 1998 (02.03.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C07H 21/04, C12Q 1/68, C12P 19/34**
(54) ● REPLICAMPLIFICATION OF NUCLEIC ACID ARRAYS
● AMPLIFICATION PAR REPLIQUE DE RESEAUX D'ACIDES NUCLEIQUES
(71) **PRESIDENT & FELLOWS OF HARVARD COLLEGE** [US/US]; University Place, 124 Mt. Auburn Street, Cambridge, MA 02138 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHURCH, George, M.** [US/US]; 218 Kent Street, Brookline, MA 02146 (US).

(74) **WILLIAMS, Kathleen, M.**; Banner & Witcoff, Ltd., 28th floor, 28 State Street, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19342** (13) A1

(21) PCT/EP97/05555

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07J 9/00, A61K 31/575, C07J 41/00, 51/00**

(54) ● BILE ACID SALTS OF METALS WITH PHYSIOLOGICAL ACTION AND THE USE THEREOF IN THERAPY

● SELS D'ACIDES BILIAIRES DE METAUX COMPORTANT UNE ACTION PHYSIOLOGIQUE, ET UTILISATION DE CEUX-CI EN THERAPIE

(71) **ICE S.R.L.** [IT/IT]; Via Sicilia, 8/10, I-42100 Reggio Emilia (IT).
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(71, 72) **PALMIERI, Beniamino** [IT/IT]; Via Bisi, 125, I-41100 Modena (IT). **MEDICI, Alessandro** [IT/IT]; Via Libia, 10, I-40138 Bologna (IT).

(72, 75) **BARTOLI, Enzo** [IT/IT]; Via Sicilia, 8/10, I-42100 Reggio Emilia (IT).

(74) **MINOJA, Fabrizio**; Bianchetti Bracco Minoja S.r.l., Via Rossini, 8, I-20122 Milano (IT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19343** (13) A1

(21) PCT/US98/21574

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,157 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 1/00, 14/00, 16/00, 17/00, A23J 1/00**

(54) ● VIRAL CLEARANCE PROCESS

● PROCEDE D'EPURATION VIRALE

(71) **ORTHO DIAGNOSTIC SYSTEMS, INC.** [US/US]; 1001 U.S. Highway 202, Raritan, New Jersey 08869 (US). **MILLIPORE CORPORATION** [US/US]; 80 Ashby Road, Bedford, MA 01730 (US).

(72) **VAN HOLTEN, Robert, William**; 10 Hillcrest Drive, Flemington, NJ 08822 (US). **QUINTON, Gilbert, J.**; 41 Ichabod Crane Lane, Belle Mead, NJ 08502 (US). **OULUNDSEN, George, E., Jr.**; 21 Raymond Street, Nashua, NH 03060 (US).

(74) **JOHNSON, Philip, S.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).

(81) AU CA CN JP KR NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19344** (13) A1

(21) PCT/US98/21408

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,987 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 1/04, C07B 61/00**

(54) ● CODING COMBINATORIAL LIBRARIES WITH FLUORINE TAGS

● CODAGE DE BANQUES COMBINATOIRES AVEC DES MARQUEURS AU FLUOR

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(72) **HOCHLOWSKI, Jill, E.**; 31165 O'Plaine Road, Green Oaks, IL 60048 (US). **SOWIN, Thomas, J.**; 40338 Reed Court, Wadsworth, IL 60083 (US). **NORBECK, Daniel, W.**; 2810 Federal Court, Crystal Lake, IL 60012 (US). **WADE, Warren, S.**; 1315 Lily Court, Grayslake, IL 60030 (US). **WHITTERN, David, N.**; 1723 Saddle Hill Drive, Green Oaks, IL 60048 (US).

(74) **POPE, Lawrence, S.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19345** (13) A1

(21) PCT/US98/21737

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,349 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 1/20, C12N 7/02**

(54) ● METHOD FOR PURIFYING RETROVIRAL PARTICLES AND SOLUBLE VIRAL ANTIGENS

● PROCEDE DE PURIFICATION DE PARTICULES VIRALES, RETROVIRALES, ET D'ANTIGENES VIRAUX SOLUBLES

(71) **INSTITUTE FOR VACCINE DEVELOPMENT** [-/US]; 61 Moulton Street, Cambridge, MA 02138 (US). **AVANT IMMUNOTHERAPEUTICS, INC.** [-/US]; 119 Fourth Avenue, Needham, MA 02494-2725 (US).

(72) **LU, Yichen**; 15 South Woodside Avenue, Wellesley, MA 02181 (US).

(74) **RESNICK, David, S.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19346** (13) A1

(21) PCT/EP98/05943

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) de (26) de

(31) 197 45 151.9 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 5/065, 5/078, A61K 38/05**

(54) ● DIPEPTIDES FOR THE TREATMENT OF DISEASES RELATED TO THE BIOLOGICAL EFFECT OF ENDOTHELIN

● DIPEPTIDES POUR LE TRAITEMENT DE MALADIES LIEES A L'EFFET BIOLOGIQUE DE L'ENDOTHELIN

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE).
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(72, 75) **PUHL, Michael** [DE/DE]; Lilienthalstrasse 10, D-65760 Eschborn (DE). **AMBERG, Wilhelm** [DE/DE]; Schälzigweg 79, D-68723 Schwetzingen (DE). **HILLEN, Heinz** [DE/DE]; Max-Planck-Strasse 17, D-67454 Haßloch (DE). **KLING, Andreas** [DE/DE]; Riegeler Weg 14, D-68239 Mannheim (DE). **HERGENRÖDER, Stefan** [DE/DE]; Hans-Böckler-Strasse 108, D-55128 Mainz (DE). **MARKERT, Claus, Otto** [DE/DE]; Mannheimer Strasse 54, D-67105 Schifferstadt (DE).

(74) **BASF AKTIENGESELLSCHAFT**; D-67056 Ludwigshafen (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MK MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19347** (13) A1

(21) PCT/SE98/01801

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/949,024 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 7/06, A61K 38/08**

(54) ● SYNTHETIC GENES WITH IMMUNOMODULATORY EFFECTS

● GENES SYNTHETIQUES A ACTION IMMUNOREGULATRICE

(71) **ASTRA AKTIEBOLAG** [SE/SE]; S-151 85 Södertälje (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BERGSTRAND, Håkan** [SE/SE]; Astra Draco AB, P.O. Box 34, S-221 00 Lund (SE). **ERIKSSON, Tomas** [SE/SE]; Astra Draco AB, P.O. Box 34, S-221 00 Lund (SE). **LINDVALL, Magnus** [SE/SE]; Astra Draco AB, P.O. Box 34, S-221 00 Lund (SE). **SÄRNSTRAND, Bengt** [SE/SE]; Astra Draco AB, P.O. Box 34, S-221 00 Lund (SE).

(74) **ASTRA AKTIEBOLAG**; Patent Dept., S-151 85 Södertälje (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19348** (13) A1
 (21) PCT/US98/21391
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 60/061,609 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/00**
 (54) ● LAMININS AND USES THEREOF
 ● LAMININES ET LEUR UTILISATION
 (71) **THE GENERAL HOSPITAL CORPORATION** [US/US]; 55 Fruit Street, Boston, MA 02110 (US).
 (72) **BURGESON, Robert, E.**; 84 Naugus Avenue, Marblehead, MA 01945 (US). **CHAMPLAUD, Marie-France**; 23 Sheafe Street #3F, Boston, MA 02113 (US). **OLSON, Pamela**; 127 Wallis Road #3F, Brookline, MA 02167 (US). **KOCH, Manuel**; 64 Garfield Street, Cambridge, MA 02138 (US). **BRUNKEN, William**; Dept. of Neurobiology, 140 Commonwealth Avenue, Chestnut Hill, MA 02167 (US).
 (74) **MYERS, Paul, Louis** et al. / etc.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110 (US).
 (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19349** (13) A1
 (21) PCT/US98/09652
 (22) **11 May/mai 1998 (11.05.1998)**
 (25) en (26) en
 (31) 08/950,064 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 09/021,298 (32) **10 Feb/fév 1998 (10.02.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/045, C12N 15/86, A61K 39/00, G01N 33/569**
 (54) ● IMMUNO-REACTIVE PEPTIDE CTL EPITOPES OF HUMAN CYTOMEGALOVIRUS
 ● EPITOPES A LYMPHOCYTES T CYTOTOXIQUES PEPTIDIQUES IMMUNO-REACTIFS DE CYTOMEGALOVIRUS HUMAIN
 (71) **CITY OF HOPE** [US/US]; 1500 East Duarte Road, Duarte, CA 91010-0269 (US).
 (72) **DIAMOND, Don, Jeffrey**; 415 N. Elwood Avenue, Glendora, CA 91741 (US). **YORK, Joanne**; 40587 174th Street East, Lancaster, CA 93535 (US).
 (74) **NEWLAND, Bart, G.** et al. / etc.; Rothwell, Figg, Ernst & Kurz, Suite 701 East, Columbia Square, 555 13th Street N.W., Washington, DC 20004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/19350** (13) A1
 (21) PCT/FR98/02203
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) fr (26) fr
 (31) 97/12876 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/37, A61K 38/16, A23J 1/00**
 (54) ● USE OF ELICITINS AS LIPID CARRIERS
 ● UTILISATION D'ELICITINES POUR LE TRANSPORT DE LIPIDES
 (71) **INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA)** [FR/FR]; 147, rue de l'Université, F-75338 Paris Cedex 07 (FR). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **MIKES, Vladimir** [CZ/CZ]; Pekarenska 8, 602 00 Bno (CZ). **BLEIN, Jean-Pierre** [FR/FR]; 8, rue du 19 Mai 1964, F-21490 Varois et Chaignot (FR). **MILAT, Marie-Louise** [FR/FR]; 4, rue des Bleuets, F-21600 Longvic (FR). **PONCHET, Michel** [FR/FR]; 28, Corniche Valmare, F-06600 Antibes (FR). **RICCI, Pierre** [FR/FR]; Terrasses d'Antibes, T n°1, 357, chemin de Fontmerle, F-06600 Antibes (FR).
 (74) **VIALLE-PRESLES, Marie-José** et al. / etc.; Cabinet Orès, 6, avenue de Messine, F-75008 Paris (FR).
 (81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19351** (13) A1
 (21) PCT/AU98/00864
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) PO 9813 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/47, C12N 15/12, 15/11, A61K 38/17**
 (54) ● NOVEL NPY FAMILY MEMBER
 ● NOUVEAU MEMBRE DE LA FAMILLE DES GENES DE NPY (NEUROPEPTIDES Y)
 (71) **GARVAN INSTITUTE OF MEDICAL RESEARCH** [AU/AU]; St. Vincent's Hospital, 384 Victoria Street, Darlinghurst, NSW 2010 (AU). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **HERZOG, Herbert** [AT/AU]; 17-318 Bondi Road, Bondi, NSW 2026 (AU).

(74) **F.B. RICE & CO.**; 605 Darling Street, Balmain, NSW 2041 (AU).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19352** (13) A2
 (21) PCT/US98/20535
 (22) **1 Oct/oct 1998 (01.10.1998)**
 (25) en (26) en
 (31) 08/949,246 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/47, C12N 15/52, 15/10, 15/64, A01K 67/027, A61K 48/00, 31/66**
 (54) ● METHODS AND COMPOSITIONS TO ALTER THE CELL SURFACE EXPRESSION OF PHOSPHATIDYL SERINE AND OTHER CLOT-PROMOTING PLASMA MEMBRANE PHOSPHOLIPIDS
 ● METHODES ET COMPOSITIONS PERMETTANT DE MODIFIER L'EXPRESSION DE LA SURFACE CELLULAIRE DE LA PHOSPHATIDYL SERINE ET D'AUTRES PHOSPHOLIPIDES DE MEMBRANE PLASMIQUE FAVORISANT LA FORMATION DE CAILLOTS
 (71) **BLOOD CENTER RESEARCH FOUNDATION** [US/US]; 638 North 18th Street, Milwaukee, WI 53233 (US).
 (72) **WIEDMER, Therese**; 6815 West Mendota Court, Mequon, WI 53092 (US). **SIMS, Peter, J.**; 6815 West Mendota Court, Mequon, WI 53092 (US).
 (74) **BAKER, Jean, C.**; Quarles & Brady, 411 East Wisconsin Avenue, Milwaukee, WI 53202-4497 (US).
 (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19353** (13) A1
 (21) PCT/AU98/00851
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) PO 9820 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C07K 14/595, 16/26, A61K 38/22, 39/395, G01N 33/53**
 (54) ● HUMAN PROGASTRIN FOR THE DIAGNOSIS AND TREATMENT OF PATHOLOGICAL CONDITIONS OF THE GASTROINTESTINAL TRACT
 ● PROGASTRINE HUMAINE AUX FINS DU DIAGNOSTIQUE ET DU TRAITEMENT D'ETATS PATHOLOGIQUES DU TRACTUS GASTRO-INTÉSTINAL
 (71) **THE UNIVERSITY OF MELBOURNE** [AU/AU]; Grattan Street, Parkville, VIC 3052 (AU). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BALDWIN, Graham, Sherard** [AU/AU]; 53 Rainer Street, Pascoe Vale South, VIC 3044 (AU). **KARELINA, Yulia, Vladimirovna** [AU/AU]; 43 Townsend Street, Glen Waverley, VIC 3150 (AU). **PATERSON, Adrienne, Claire** [AU/AU]; 42 Alma Street, Lower Plenty, VIC 3093 (AU). **SHULKES, Arthur, Aaron** [AU/AU]; 2 Bayview Terrace, Ascot Vale, VIC 3032 (AU). **YANG, Zhiyu** [AU/AU]; 58 Quinn Street, Heidelberg, VIC 3084 (AU).

(74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19354** (13) A1

(21) PCT/SE98/01548

(22) **31 Aug/août 1998 (31.08.1998)**

(25) en (26) en

(31) 9703745-1 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE

(31) 9801148-9 (32) **31 Mar/mar 1998 (31.03.1998)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 14/72, C12N 15/10, A61K 38/17**

(54) ● NOVEL VITAMIN D RECEPTOR RELATED POLYPEPTIDES, NUCLEIC ACID SEQUENCE ENCODING THE SAME AND USES THEREOF

● NOUVEAUX POLYPEPTIDES APPARENTES AU RECEPTEUR DE VITAMINE D, SEQUENCE D'ACIDE NUCLEIQUE CODANT CES POLYPEPTIDES ET UTILISATION DE CES DERNIERS

(71) **PHARMACIA & UPJOHN AB** [SE/SE]; S-112 87 Stockholm (SE).
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(72, 75) **BERKENSTAM, Anders** [SE/SE]; Långholmsgatan 11, S-117 33 Stockholm (SE). **DAHLBERG, Mats** [SE/SE]; Sankt Göransgatan 64, S-112 87 Stockholm (SE).

(74) **TANNERFELDT, Agneta** et al. / etc.; Pharmacia & Upjohn AB, S-112 87 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19355** (13) A1

(21) PCT/US98/20823

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 08/947,584 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 14/745, G01N 33/579**

(54) ● FACTOR G REDUCED AMEBOCYTE LY-SATES FOR DETECTION OF BACTERIAL ENDOTOXINS

● PROCEDES ET COMPOSITIONS UTILISES POUR DETECTER DES ENDOTOXINES BACTERIENNES

(71) **CHARLES RIVER LABORATORIES** [US/US]; 251 Ballardvale Street, Wilmington, MA 01887 (US).

(72) **JORDAN, Foster, T.**; 4766 Marshwood Drive, Hollywood, SC 29449 (US). **CHIANG, Hui-Ti**; Apartment 6M, 2235 Ashly Crossing Drive, Charleston, SC 29407 (US). **COOPER, James, F.**; 1056 Ft. Sumter Drive, Charleston, SC 29412 (US). **WAINWRIGHT, Norman, R.**; 152 Two Ponds Road, Falmouth, MA 02540 (US).

(74) **GREENHALGH, Duncan, A.**; Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19356** (13) A1

(21) PCT/CA97/00745

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 14/815, A61K 38/58**

(54) ● TRIVALENT THROMBIN INHIBITOR
● INHIBITEUR DE THROMBINE TRIVALENT

(71) **NATIONAL RESEARCH COUNCIL OF CANADA** [CA/CA]; Building M-58, Rm EG-12, 1200 Montreal Road, Ottawa, Ontario K1A 0R6 (CA).
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(72, 75) **KONISHI, Yasuo** [CA/CA]; 17130 Brunswick Boulevard, Kirkland, Quebec H9J 1K8 (CA). **SLON, Jacek** [CA/CA]; 8405 Bougainville Avenue #301, Montreal, Quebec H4P 2G6 (CA).

(74) **COTE, France**; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Quebec H3A 2Y3 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19357** (13) A2

(21) PCT/US98/21992

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 60/062,076 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(31) 60/087,216 (32) **29 May/mai 1998 (29.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 14/82, C12N 15/12, 15/00, 15/64, C12Q 1/68, C07K 16/18, G01N 33/53**

(54) ● CELL REGULATORY GENES, ENCODED PRODUCTS, AND USES RELATED THERETO

● GENES DE REGULATION DES CELLULES, PRODUITS CODES, ET UTILISATIONS Y RELATIVES

(71) **PRESIDENT AND FELLOWS OF HARVARD COLLEGE** [US/US]; 17 Quincy Street, Cambridge, MA 02138 (US).
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(72, 75) **YANG, Annie** [-/US]; Boston, MA (US). **MCKEON, Frank** [-/US]; Boston, MA (US).

(74) **VINCENT, Matthew, P.** et al. / etc.; Foley, Hoag & Eliot, LLP, One Post Office Square, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19358** (13) A2

(21) PCT/DE98/03036

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) de (26) de

(31) 197 44 655.8 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/00**

(54) ● ANTIBODY AGAINST BACULOVIRUSES
● ANTICORPS AGISSANT A L'ENCONTRE DE BACULOVIRUS

(71) **DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS** [DE/DE]; Im Neuenheimer Feld 280, D-69120 Heidelberg (DE).
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(72, 75) **MARIANI, Sara** [IT/DE]; Bergheimer Strasse 88, D-69120 Heidelberg (DE). **KRAMMER, Peter** [DE/DE]; Werderstrasse 11, D-69120 Heidelberg (DE).

(74) **HUBER, Bernard**; Huber & Schüssler, Truderinger Strasse 246, D-81825 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19359** (13) A1

(21) PCT/US98/21432

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,202 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/00, C07H 21/04, C12N 15/00, C12P 21/06, C12Q 1/68, A01N 43/04, A61K 39/21, 39/395, G01N 38/48**

(54) ● CELLULAR RECEPTOR FOR HIV-1 VPR ESSENTIAL FOR G2/M PHASE TRANSITION OF THE CELL CYCLE

● RECEPTEUR CELLULAIRE DE LA PROTEINE VIRALE (VPR) DU VIH-1 ESSENTIELLE POUR LA TRANSITION DE PHASE G2/M DU CYCLE CELLULAIRE

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- (74) **ELDERKIN, Dianne, B.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19360** (13) A1

(21) PCT/US98/21704

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,271 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/00, C12N 5/00, C12P 21/08, C12Q 1/70, G01N 33/53**

- (54) ● METHODS FOR DETECTION OF PRION PROTEIN AS AN INDICATION OF TRANSMISSIBLE SPONGIFORM ENCEPHALOPATHIES
● PROCEDE DE DETECTION DE PROTEINES PRIONS INDICATRICES DES ENCEPHALOPATHIES SPONGIFORMES TRANSMISSIBLES

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(74) **PENDORF, Stephan, A.** et al. / etc.; Pendorf & Cutliff, P.O. Box 20445, Tampa, FL 33622-0445 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19361** (13) A1

(21) PCT/EP98/06386

(22) **8 Oct/oct 1998 (08.10.1998)**

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(31) 197 44 531.4 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/18, C12P 21/08 // C07K 16/28**

- (54) ● BONDING MOLECULES AGAINST RECEPTOR-LIGAND-COMPLEXES
● MOLECULES DE FIXATION CONTRE DES COMPLEXES RECEPTEUR-LIGAND

(71, 72) **BOSSLET, Klaus** [DE/US]; 20515 Addenbrook Way, Gaithersburg, MD 20879 (US).

(72, 75) **PETRUL, Heike** [DE/CA]; 11025-82 Avenue, Edmonton, Alberta T6G 0T1 (CA).

(74) **ALLGEIER, Kurt**; Schillerstrasse 8-10, D-79618 Rheinfelden (DE).

(81) AU BR CA CN CZ EE GE HU ID IL IS JP KR LC LK LT LV MD MG MK MX NO NZ PL RO RU SG SI SK TR UA US YU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19362** (13) A1

(21) PCT/US97/18428

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/28, 16/30, 16/46, C12N 5/08, A61K 39/395**

- (54) ● BISPECIFIC MOLECULES DIRECTED TO TUMOR ASSOCIATED GLYCOPROTEIN-72 AND Fc RECEPTOR
● MOLECULES BISPECIFIQUES DIRIGÉES CONTRE LES RECEPTEURS DE Fc ET LA GLYCOPROTEINE 72 ASSOCIÉE AUX TUMEURS

(71) **MEDAREX, INC.** [US/US]; 1545 Route 22 East, P.O. Box 953, Annandale, NJ 08801-0953 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEO, Yashwant, M.** [US/US]; 3009 Peacock Drive, Audubon, PA 19403 (US). **KELER, Tibor** [US/US]; 30 Park Road, Ottsville, PA 18942 (US).

(74) **REMILLARD, Jane, E.** et al. / etc.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19363** (13) A1

(21) PCT/US98/21900

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,462 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C07K 16/38, C12N 5/20, C07K 17/00, G01N 33/577, 33/579, C07K 1/22**

- (54) ● MONOCLONAL ANTIBODY TO ALPHA2-MACROGLOBULIN AND ITS USE FOR DETECTING GLUCAN

● ANTICORPS MONOCLONAL DE L'ALPHA2-MACROGLOBULINE ET SON UTILISATION POUR DETECTER LE GLUCANE

(71) **BIOWHITAKER TECHNOLOGIES** [US/US]; 8830 Biggs Ford Road, Walkersville, MD 21793-0127 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HERBSTTRITT, Christopher, J.** [US/US]; Apartment 9B, 501 Prospect Boulevard, Frederick, MD 21701 (US). **PEPE, Michael, G.** [US/US]; 228 Carroll Parkway, Frederick, MD 21701 (US).

(74) **SKERPON, Joseph, M.** et al. / etc.; Banner & Witcoff, Ltd., 11th floor, 1001 G Street, N.W., Washington, DC 20001-4597 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19364** (13) A1

(21) PCT/JP98/04541

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ja (26) ja

(31) 9/277787 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(31) 10/179096 (32) **25 Jun/juin 1998 (25.06.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08B 37/02**

- (54) ● DEXTRAN REDUCED IN BORON CONTENT, PROCESS FOR PRODUCING THE SAME, AND DEXTRAN PACKED IN CONTAINER IN SOLUTION STATE
● DEXTRANE A TENEUR REDUITE EN BORE, PROCEDE DE PRODUCTION ASSOCIE, ET DEXTRANE EMBALLE DANS UN CONTENANT A L'ETAT DE SOLUTION

(71) **MEITO SANGYO CO., LTD.** [JP/JP]; 2-41, Sasazuka-cho, Nishi-ku, Nagoya-shi, Aichi 451-0077 (JP). **OTSUKA PHARMACEUTICAL FACTORY, INC.** [JP/JP]; 115, Aza-Kuguhara, Tateiwa, Muya-cho, Naruto-shi, Tokushima 772-8601 (JP). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MACHIDA, Haruo** [JP/JP]; 24-4, Asahigaoka 2-chome, Hino-shi, Tokyo 191-0065 (JP). **KATO, Sigeaki** [JP/JP]; 39-2, Kuboyama-cho 1-chome, Hachioji-shi, Tokyo 192-0023 (JP). **HIRATA, Yuuki** [JP/JP]; 4-10, Aza-Suberiwahama, Ohkuwajima, Muya-cho, Naruto-shi, Tokushima 772-0011 (JP). **AOKI, Mitsuo** [JP/JP]; 356, Aza-Nakashima, Takashima, Naruto-cho, Naruto-shi, Tokushima 772-0051 (JP). **KOBATAKE, Hideki** [JP/JP]; 208-16, Aza-Shimohonjo, Akino-kami, Seto-cho, Naruto-shi, Tokushima 771-0360 (JP).

(74) **KAMEI, Hirokatsu**; AI Association of Patent and Trademark Attorneys, 12F, Jyutakukinyukoko-Sumitomosemei Building, 5-20, Minamihommachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 (JP).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19365** (13) A1
 (21) PCT/KR98/00310
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 1997/51930 (32) **10 Oct/oct 1997 (10.10.1997)** (33) KR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08B 37/06, A61K 31/725**

- (54) ● NOVEL PECTIC POLYSACCHARIDES PURIFIED FROM *ANGELICA GIGAS* NAKAI AND PURIFICATION METHOD AND USE AS IMMUNO-STIMULATING AGENT THEREOF
 ● NOUVEAUX POLYSACCHARIDES PECTIQUES PURIFIES ISSUS D'*ANGELICA GIGAS* NAKAI, PROCEDE DE PURIFICATION ET UTILISATION DE CEUX-CI COMME AGENT IMMUNOSTIMULANT

- (71) **KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY** [KR/KR]; 39-1, Hahwolgok-dong, Seong-ku, Seoul 136-130 (KR). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **KIM, Hwan, Mook** [KR/KR]; 133-1301, Hanbit Apt., Eun-dong, Yusong-ku, Taejon 305-333 (KR). **KIM, Ik, Hwan** [KR/KR]; 110-1402, Hanwool Apt., Shinsung-dong, Yusong-ku, Taejon 305-345 (KR). **HAN, Sang, Bae** [KR/KR]; 16/1, 204-8, Sajik-dong, Heungduck-ku, Cheongju-city, Choongcheongbuk-do 361-100 (KR). **AHN, Kyung, Seop** [KR/KR]; 119-202, Hanbit Apt., Eun-dong, Yusong-ku, Taejon 305-333 (KR). **HONG, Nam, Doo** [KR/KR]; 200-205, Seongsan-dong, Mapo-ku, Seoul 121-251 (KR).

- (74) **LEE, Duck, Rog**; Yorksam Building, 2nd floor, 700-19, Yorksam-dong, Kangnam-ku, Seoul 135-080 (KR).

- (81) BR CA CN JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19366** (13) A2
 (21) PCT/EP98/06321
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) MI97A002298 (32) **10 Oct/oct 1997 (10.10.1997)** (33) IT
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08B 37/08, A61L 25/00, A61K 31/73**

- (54) ● CHELATES OF CHITOSANS AND ALKALINE-EARTH METAL INSOLUBLE SALTS AND THE USE THEREOF AS MEDICAMENTS USEFUL IN OSTEOGENESIS
 ● CHELATES DE CHITOSANS ET SELS INSOLUBLES DE METAUX ALCALINO-TERRÉUX ET LEUR UTILISATION COMME MEDICAMENTS FAVORISANT L'OSTEOGENESE

- (71) **ABIOGEN PHARMA S.R.L.** [IT/IT]; Via G. Fabbri, 6, I-00191 Roma (IT). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **MUZZARELLI, Riccardo** [IT/IT]; Via Mazzini, 112, I-56125 Pisa (IT). **ROSINI, Sergio** [IT/IT]; Via Mazzini, 112, I-56125 Pisa (IT). **TRACCIATTI, Silvia** [IT/IT]; Via Mazzini, 112, I-56125 Pisa (IT).

- (74) **MINOJA, Fabrizio**; Bianchetti Bracco Minoja S.r.l., Via Rossini, 8, I-20122 Milano (IT).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19367** (13) A1
 (21) PCT/EP98/06126
 (22) **26 Sep/sep 1998 (26.09.1998)**
 (25) de (26) de
 (31) 197 44 709.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08C 4/00, C08F 6/00**

- (54) ● PROCESS FOR DEGASSING RUBBER FROM GASEOUS PHASE POLYMERISATION
 ● PROCEDE DE DEGAZAGE DE CAOUT-CHOUX OBTENU PAR POLYMERISATION EN PHASE GAZEUSE

- (71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE). (for all designated States except / pour tous les États désignés sauf US)

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- (74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19368** (13) A2
 (21) PCT/EP98/06538
 (22) **15 Oct/oct 1998 (15.10.1998)**
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 (31) 197 45 566.2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08F**

- (54) ● VINYL POLYMER FOR DELUSTERING THE SURFACES OF THERMOPLASTIC MASSES
 ● POLYMERE VINYLIQUE POUR LE MATAGE DES SURFACES DE MATIERES THERMOPLASTIQUES

- (71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **LOTH, Wolfgang** [DE/DE]; Weinstrasse Süd 58, D-67098 Bad Dürkheim (DE). **WÜNSCH, Josef, Richard** [DE/DE]; Gartenstrasse 31c,

- D-67105 Schifferstadt (DE). **MCKEE, Graham, Edmund** [GB/DE]; Heinrich-Strieffler-Strasse 68, D-67433 Neustadt (DE).

- (74) **ISENBRUCK, Günter**; Bardehle, Papenberg, Dost, Altenburg, Geissler, Isenbruck, Theodor-Hauss-Anlage 12, D-68165 Mannheim (DE).

- (81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19369** (13) A2
 (21) PCT/US98/22035
 (22) **16 Oct/oct 1998 (16.10.1998)**
 (25) en (26) en
 (31) 60/062,185 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08F**

- (54) ● PHOTONEUTRALIZATION OF pH SENSITIVE AQUEOUS POLYMERIC DISPERSIONS AND METHODS FOR USING SAME
 ● PHOTONEUTRALISATION DE DISPERSIONS POLYMERES AQUEUSES SENSIBLES AU pH ET PROCEDES D'UTILISATION DE CES DISPERSIONS

- (71) **SUN CHEMICAL CORPORATION** [US/US]; 222 Bridge Plaza South, Fort Lee, NJ 07024 (US). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **ROONEY, John** [US/US]; 32 Berkeley Circle, Basking Ridge, NJ 07020 (US). **CHATTERJEE, Subhankar** [US/US]; 60 Norma Road, Hampton, NJ 08827 (US). **LAKSIN, Mikhail** [US/US]; 2278 Redwood Road, Scotch Plains, NJ 07076 (US). **TURGIS, Jean-Dominique** [FR/FR]; 214 Feronia Way, Rutherford, NJ 07070 (US).

- (74) **PERSLEY, Sidney**; 222 Bridge Plaza South, Fort Lee, NJ 07024 (US).

- (81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19370** (13) A1
 (21) PCT/JP98/04665
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) ja (26) ja
 (31) 9/282307 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C08F 2/22, B01J 20/26, G01N 30/48**

- (54) ● PROCESS FOR PRODUCING POLYMER PARTICLES WITH UNIFORM PARTICLE SIZE
 ● PROCEDE DE FABRICATION DE PARTICULES POLYMERES A TAILLE UNIFORME DE PARTICULES

- (71) **AMERSHAM PHARMACIA BIOTECH K.K.** [JP/JP]; Sanken Building, 25-1, Hyakunin-cho 3-chome, Shinjuku-ku, Tokyo 169-0073 (JP). (for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **HOSOYA, Ken** [JP/JP]; 142, Momoyama Godosyukusha, Kanyuuchi, Bugyomae-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8108 (JP). **YOSHIZAKO, Kimihiro** [JP/JP]; 1-18-9-203, Minowa, Taito-ku, Tokyo 110-0011 (JP).

(74) **SHAMOTO, Ichio** et al. / etc.; Yuasa and Hara, Section 206, New Ohtemachi Building, 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19371** (13) A1

(21) PCT/US98/18806

(22) **10 Sep/sep 1998 (10.09.1998)**

(25) en (26) en

(31) 08/948,208 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08F 2/48, 2/50, C08J 7/18, C08L 83/07**

(54) ● RELEASE COATING COMPOSITIONS COMPRISING AN ACRYLATE-FUNCTIONAL SILICONE RESIN AND A VINYLETHER

● COMPOSITIONS POUR REVETEMENT ANTIAHERENTS COMPRENANT UNE RESINE SILICONIQUE ACRYLATE-FONCTIONNELLE ET UN VINYLETHER

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(72) **DOUGHERTY, James, A.**; 48 Forestdale Road, Kinnelon, NJ 07405 (US). **MCKITTRICK, John**; 156 Fulton Avenue, Jersey City, NJ 07305 (US).

(74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, Legal Dept., Building 10, 1361 Alps Road, Wayne, NJ 07470 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19372** (13) A1

(21) PCT/JP98/04069

(22) **10 Sep/sep 1998 (10.09.1998)**

(25) ja (26) ja

(31) 9/278855 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08F 6/00, 26/02, 126/02, C09D 11/00, C07C 211/13, 209/68, 209/82**

(54) ● PROCESS FOR PRODUCING LOW-MOLECULAR-WEIGHT ALLYLAMINE POLYMERS OR ADDITION SALTS THEREOF

● PROCEDE DE PRODUCTION DE POLYMERES ALLYLAMINES DE FAIBLE POIDS MOLEAIRE OU SELS D'ADDITION DE CEUX-CI

(71) **NITTO BOSEKI CO., LTD.** [JP/JP]; 1, Aza Higashi, Gonome, Fukushima-shi, Fukushima-ken 960-8161 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KATO, Tadashi** [JP/JP]; 32-13, Aza Atago, Kubota, Fukuyama-machi, Koriyama-shi, Fukushima-ken 963-8071 (JP). **ENDO, Tadao** [JP/JP]; 31-9, Aza Shimokawara, Kubota, Fukuyama-machi, Koriyama-shi, Fukushima-ken 963-8071 (JP). **TAKEUCHI, Minoru** [JP/JP]; 1, Aza Shiojima, Fukuhara, Fukuyama-machi,

Koriyama-shi, Fukushima-ken 963-8061 (JP). **HASHIMOTO, Mitsumasa** [JP/JP]; 416-16, Kanairo, Nihonmatsu-shi, Fukushima-ken 964-0915 (JP). **FUJITA, Yasuhiro** [JP/JP]; 198, Aza Ohara, Kubota, Fukuyama-machi, Koriyama-shi, Fukushima-ken 963-8071 (JP). **HAYASHI, Ikuo** [JP/JP]; 55-10, Aza Atago, Kubota, Fukuyama-machi, Koriyama-shi, Fukushima-ken 963-8071 (JP).

(74) **NAKAMURA, Shizuo**; ST Building, 3rd floor, 24-10, Taito 2-chome, Taito-ku, Tokyo 110-0016 (JP).

(81) AU CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19373** (13) A2

(21) PCT/EP98/06231

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) de (26) de

(31) 197 44 708.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08F 10/00**

(54) ● METHOD AND DEVICE FOR EXTRACTING RUBBER FROM GASEOUS PHASE POLYMERIZATION

● PROCEDE ET DISPOSITIF POUR TRANSFERER VERS L'EXTERIEUR DU CAOUTCHOUC PROVENANT DE LA POLYMERISATION EN PHASE GAZEUSE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAENDELER, Friedrich** [DE/US]; 1294 Hogogans Aley, Mt. Pleasant, SC 29464 (US). **HEROLD, Heiko** [DE/DE]; Feuerdornweg 3, D-41470 Neuss (DE). **MERSMANN, Franz-Josef** [DE/DE]; Am Katterbach 14A, D-51427 Bergisch Gladbach (DE). **SCHEBESTA, Klaus** [DE/DE]; Lohrstrasse 10C, D-51371 Leverkusen (DE). **SCHNEIDER, Jürgen** [DE/DE]; Cleversstrasse 29, D-50668 Köln (DE). **SCHWEIGLER, Norbert** [DE/DE]; Walter-Flex-Strasse 18, D-51373 Leverkusen (DE).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19374** (13) A1

(21) PCT/EP98/06061

(22) **23 Sep/sep 1998 (23.09.1998)**

(25) en (26) en

(31) 08/950,447 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08F 216/14, 226/00**

(54) ● RESINS FROM N-ALKENYL AMIDES AND ALLYLIC MONOMERS

● RESINES D'AMIDES DE N-ALCENYLE ET DE MONOMERES D'ALLYLE

(71) **ARCO CHEMICAL TECHNOLOGY, L.P.** [US/US]; Two Greenville Crossing, Suite 238, 4001 Kennett Pike, Greenville, DE 19807 (US).
(for all designated States except / pour tous les États désignés sauf MN)

(71) **ARCO CHEMIE TECHNOLOGIE NEDERLAND B.V.** [NL/NL]; Theemsweg 14, P.O. Box 7195, NL-3000 HD Rotterdam (NL).
(only for / seulement pour MN)

(72) **GUO, Shau-Hua**; 1109 Greenhill Road, West Goshen, PA 19380 (US). **ADAMCHUK, Mark, R.**; 932 Oakbourne Road, West Chester, PA 19382 (US). **KESLING, Haven, S., Jr.**; 248 Friendship Road, Drexel Hill, PA 19026 (US). **BRAUNSTEIN, David, M.**; 540 Greenhill Lane, Berwyn, PA 19314 (US).

(74) **SMAGGASGALE, Gillian, Helen**; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19375** (13) A1

(21) PCT/GB98/02985

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 9721603.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(31) 09/072,859 (32) **5 May/mai 1998 (05.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08F 257/02, 12/08**

(54) ● METHOD OF PRODUCTION OF PARTICULATE POLYMERS
● PROCEDE DE FABRICATION DE POLYMERES EN PARTICULES

(71) **DYNO INDUSTRIER ASA** [NO/NO]; Svelleireien, N-2001 Lillestrøm (NO).

(71) **COCKBAIN, Julian** [GB/GB]; 102 Cranbrook Road, London W4 2LJ (GB).
(only for / seulement pour GB)

(72) **MØRK, Preben, Cato**; Selsbakk Øvre 42, N-7027 Trondheim (NO). **TØGERSEN, Svein**; Støttumveien 1B, N-1170 Oslo (NO).

(74) **COCKBAIN, Julian** et al. / etc.; Frank B. Dehn & Co., 179 Queen Victoria Street, London EC4V 4EL (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19376** (13) A1

(21) PCT/US98/21329

(22) **9 Oct/oct 1998 (09.10.1998)**

- (25) en (26) en
- (31) 08/949,834 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 18/28, C08K 5/21**
- (54) ● CONTINUOUS PROCESS FOR PRODUCING RHEOLOGY MODIFIERS
● PROCEDE DE PRODUCTION EN CONTINU DE MODIFICATEURS RHEOLOGIQUES
- (71) **PPG INDUSTRIES, INC.** [US/US]; One PPG Place, Pittsburgh, PA 15272 (US).
- (72) **SUTTON, Robert, A.**; 5767 Franklin Drive, Gibsonsia, PA 15044 (US). **BARANCYK, Steven, V.**; 385 Wagon Wheel Trail, Wexford, PA 15090 (US). **SYPUT, Timothy, B.**; 405 Plum Avenue, New Kensington, PA 15068 (US). **BRALSKI, Frederick, A.**; 1250 9th Avenue, Natrona Heights, PA 15065 (US).
- (74) **UHL, William, J.**; PPG Industries, Inc., One PPG Place, Pittsburgh, PA 15272 (US) et al. / etc.
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19377** (13) A1
- (21) PCT/US98/21077
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
- (31) 08/949,239 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 18/42, C08J 9/14**
- (54) ● POLYOL BLENDS FOR PRODUCING HYDROCARBON-BLOWN POLYURETHANE AND POLYISOCYANURATE FOAMS
● MELANGES DE POLYOLS POUR LA PRODUCTION DE MOUSSES DE POLYURETHANNE ET DE POLYISOCYANURATE A GONFLANT A BASE D'HYDROCARBURE
- (71) **STEPAN COMPANY** [US/US]; 22 West Frontage Road, Northfield, IL 60093 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HICKEY, F., Leo** [US/US]; 215 S. Chestnut Avenue, Arlington Heights, IL 60005 (US).
- (74) **SARUSSI, Steven, J.**; McDonnell Boehnen Hulbert & Berghoff, 300 South Wacker Drive, Chicago, IL 60606 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19378** (13) A1
- (21) PCT/JP98/04618
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) ja (26) ja
- (31) 9/296333 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP
- (31) 9/311234 (32) **28 Oct/oct 1997 (28.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 63/06, 63/80, 63/88, C07D 319/12**
- (54) ● PROCESSES FOR PRODUCING POLYHYDROXY CARBOXYLIC ACID AND GLYCOLIDE
● PROCEDES DE PRODUCTION D'ACIDE POLYHYDROXY CARBOXYLIQUE ET DE GLYCOLIDE
- (71) **KUREHA KAGAKU KOGYO K.K.** [JP/JP]; 9-11, Nihonbashi Horidomecho 1-chome, Chuo-ku, Tokyo 103-8552 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HOSHINO, Mitsuru** [JP/JP]; 3-5-9, Chuo, Nishiki-machi, Iwaki-shi, Fukushima 974-8233 (JP). **YAMANE, Kazuyuki** [JP/JP]; 16-5, Nishi-kimigatuka-machi, Onahama, Iwaki-shi, Fukushima 971-8167 (JP). **KAWAKAMI, Yukichika** [JP/JP]; 25-13, Negoya, Ueda-machi, Iwaki-shi, Fukushima 974-8261 (JP). **OKADA, Yasushi** [JP/JP]; 154-3, Harada, Nishiki-machi, Iwaki-shi, Fukushima 974-8232 (JP).
- (74) **NISHIKAWA, Shigeaki**; Visual City 401, 43-8, Higashi-Nippori 3-chome, Arakawa-ku, Tokyo 116-0014 (JP).
- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19379** (13) A1
- (21) PCT/JP98/04674
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) ja (26) ja
- (31) 9/297869 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
- (31) 9/297870 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 63/85, 63/84, 63/64, 63/08, 64/30, 64/02**
- (54) ● PROCESSES FOR THE PREPARATION OF MONODISPERSE POLYMERS, PROCESSES FOR THE CONTINUOUS POLYMERIZATION OF CYCLIC MONOMERS, AND POLYMERS PREPARED THEREBY
● PROCEDES DE PREPARATION DE POLYMERES MONODISPERSÉS, PROCEDES DE POLYMERISATION EN CONTINU DE MONOMERES CYCLIQUES ET POLYMERES OBTENUS PAR CES PROCEDES
- (71) **DAICEL CHEMICAL INDUSTRIES, LTD.** [JP/JP]; 1, Teppochō, Sakai-shi, Osaka 590-0905 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **AIDA, Takuzo** [JP/JP]; 10-5, Kashiwanoha 2-chome, Kashiwa-shi, Chiba 277-0882 (JP). **WATANABE, Jun** [JP/JP]; 4-2, Kuba 4-chome, Ohtake-shi, Hiroshima 739-0651 (JP).
- (74) **MIURA, Yoshikazu**; Sakae Building, 5-12, Iwamoto-cho 2-chome, Chiyoda-ku, Tokyo 101-0032 (JP).
- (81) JP US; EP (BE DE FR GB).
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- (11) **WO 99/19380** (13) A1
- (21) PCT/EP98/06212
- (22) **30 Sep/sep 1998 (30.09.1998)**
- (25) de (26) de
- (31) 197 44 693.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 64/30, 64/06**
- (54) ● PREPARATION OF DIHYDROXYDIPHENYL-COPOLYCARBONATES BY MELT RE-ESTERIFICATION
● PREPARATION DE DIHYDROXYDIPHENYLE-COPOLYCARBONATES PAR REESTERIFICATION PAR FUSION
- (71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KÖNIG, Annett** [DE/DE]; Scheiblerstrasse 83, D-47800 Krefeld (DE). **WEHRMANN, Rolf** [DE/DE]; Scheiblerstrasse 101, D-47800 Krefeld (DE).
- (74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19381** (13) A1
- (21) PCT/JP98/04553
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) ja (26) ja
- (31) 9/277020 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
- (31) 10/65497 (32) **16 Mar/mar 1998 (16.03.1998)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C08G 65/38, 75/23, A61M 1/16, A61L 33/00**
- (54) ● MEDICAL MATERIAL CONTAINING FLUORINATED POLYSULFONE HAVING EXCELLENT ANTITHROMBOTIC ACTIVITY
● MATERIAU MEDICAL CONTENANT UN POLYSULFONE FLUORE PRESENTANT UNE EXCELLENTE ACTIVITE ANTITHROMBOTIQUE
- (71) **TEIJIN LIMITED** [JP/JP]; 6-7, Minamihomomachi 1-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KUWAHARA, Hiroaki** [JP/JP]; Teijin Limited, Iwakuni Research Center, 2-1, Hinodecho, Iwakuni-shi, Yamaguchi 740-0014 (JP). **OHMORI, Satoru** [JP/JP]; Teijin Limited, Iwakuni Research Center, 2-1, Hinodecho, Iwakuni-shi, Yamaguchi 740-0014 (JP). **KAWAGUCHI, Takeyuki** [JP/JP]; Teijin Limited, Iwakuni Research Center, 2-1, Hinodecho, Iwakuni-shi, Yamaguchi 740-0014 (JP).
- (74) **MAEDA, Sumihiro**; Teijin Limited, Intellectual Property Dept., 1-1, Uchisaiwaicho 2-chome, Chiyoda-ku, Tokyo 100-0011 (JP).

(81) CA JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19382** (13) A1

(21) PCT/US98/21399

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,101 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08G 69/26, 69/48, 69/50**

- (54) ● SUBSTITUTED POLYAMIDES AND PROCESS FOR PREPARING THE SAME
- POLYAMIDES SUBSTITUES ET LEUR PROCEDE DE PREPARATION

(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

(72) **ZHAR, George, Elias**; 210 Sunset View Drive, Glen Mill, PA 19342 (US).

(74) **SIEGELL, Barbara, C.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19383** (13) A1

(21) PCT/JP98/02974

(22) **2 Jul/juil 1998 (02.07.1998)**

(25) ja (26) ja

(31) 9/281679 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(31) 10/32770 (32) **16 Feb/fév 1998 (16.02.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08G 79/02, C08L 85/02, 101/00, C08K 5/5399, C09K 21/14**

- (54) ● CROSSLINKED PHENOXYPHOSHAZENE COMPOUNDS, FLAME RETARDANT, FLAME-RETARDANT RESIN COMPOSITIONS, AND MOLDINGS OF FLAME-RETARDANT RESINS
- COMPOSES PHENOXYPHOSHAZENE RETICULES, AGENT IGNIFUGEANT, COMPOSITIONS DE RESINE IGNIFUGEANTE ET MOULAGES A BASE DE RESINES IGNIFUGEANTE

(71) **OTSUKA CHEMICAL CO., LTD.** [JP/JP]; 2-27, Otedori 3-chome, Chuo-ku, Osaka-shi, Osaka 540-0021 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NAKACHO, Yoshifumi** [JP/ES]; Calle Eduardo Conde, 5-bis, 6^a-2^a, E-08034 Barcelona (ES). **YABUHARA, Tadao** [JP/JP]; 166, Nishi-cho, Ichinomiyama-cho, Tokushima-shi, Tokushima 779-3132 (JP). **TADA, Yuji** [JP/JP]; 614-14, Okinoshima, Kawauchi-cho, Tokushima-shi, Tokushima 771-0142 (JP). **NISHIOKA, Yoichi** [JP/JP]; Otsuka Pharmaceutical Co., Ltd., Imagireryo, 463-30, Kagasuno, Kawauchi-cho, Tokushima-shi, Tokushima 771-0130 (JP).

(74) **SAEGUSA, Eiji** et al. / etc.; Kitahama TNK Building, 1-7-1, Dosho-machi, Chuo-ku, Osaka-shi, Osaka 541-0045 (JP).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE GW HR HU ID IL IS KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19384** (13) A1

(21) PCT/US98/21360

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,824 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/164,541 (32) **30 Sep/sep 1998 (30.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08J 3/02, 3/00, C08F 16/12**

- (54) ● AQUEOUS, FLOWABLE SUSPENSION CONCENTRATE OF AN AGRICULTURALLY ACTIVE CHEMICAL, AND SPRAYABLE USE FORMULATION THEREOF
- SUSPENSION CONCENTREE AQUEUSE FLUIDE DE PRODUIT CHIMIQUE A ACTIVITE AGRICOLE ET COMPOSITION D'UTILISATION PULVERISABLE DE LADITE SUSPENSION

(71) **ISP INVESTMENTS INC.** [US/US]; 818 Washington Street, Wilmington, DE 19801 (US).

(72) **CURRY, James, F.**; 51 Oakwood Drive, Wayne, NJ 07470 (US). **GOEHNER, Ronald, H., Jr.**; 63 Castles Drive, Wayne, NJ 07470 (US). **NARAYANAN, Kolazi, S.**; 33 Carol Place, Wayne, NJ 07470 (US). **JON, Domingo**; Apartment 28, 41-51 Kenmare Street, New York, NY 10012 (US).

(74) **MAUE, Marilyn, J.** et al. / etc.; International Specialty Products, 1361 Alps Road, Wayne, NJ 07470 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19385** (13) A1

(21) PCT/EP98/06230

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) de (26) de

(31) 197 44 707.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08J 3/12**

- (54) ● METHOD FOR PREVENTING THE AGGLOMERATION OF RUBBER IN THE GASEOUS PHASE
- PROCEDE PERMETTANT D'EMPECHER L'AGGLOMERATION DU CAOUTCHOUC EN PHASE GAZEUSE

(71) **BAYER AKTIENGESELLSCHAFT** [DE/DE]; D-51368 Leverkusen (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HEROLD, Heiko** [DE/DE]; Feuerdornweg 3, D-41470 Neuss (DE). **MLECZKO, Leslaw** [PL/DE]; Hustadtring 63, D-44801 Bochum (DE). **MERSMANN, Franz-Josef** [DE/DE]; Am Katterbach 14A, D-51427 Bergisch Gladbach (DE). **SCHNEIDER, Jürgen** [DE/DE]; Cleverstraße 29, D-50668 Köln (DE). **HAENDELER, Friedrich** [DE/US]; Hogogans Aley 1294, Mt. Pleasant, SC 29464 (US).

(74) **BAYER AKTIENGESELLSCHAFT**; D-51368 Leverkusen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19386** (13) A1

(21) PCT/US98/20102

(22) **24 Sep/sep 1998 (24.09.1998)**

(25) en (26) en

(31) 9/277332 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08J 3/14 // C08L 75:04**

- (54) ● METHOD OF MANUFACTURING MONODISPERSE POLYURETHANE PARTICLES
- PROCEDE DE FABRICATION DE PARTICULES DE POLYURETHANE MONODISPERSE

(71) **NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION** [US/US]; P.O. Box 7663, Wilmington, DE 19803-7663 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YUYAMA, Hajime** [JP/JP]; 2-8-21-403, Tanako-cho, Higashinada-ku, Kobe-shi, Hyogo Prefecture 658-0081 (JP). **OMI, Shinzo** [JP/JP]; 3-32-14, Asagaya-Kita, Suginami-Ku, Tokyo 166-0001 (JP).

(74) **DEC, Ellen, T.**; National Starch and Chemical Company, 10 FINDERNE AVENUE, BRIDGEWATER, NJ 08807 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19387** (13) A1

(21) PCT/US98/20283

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 60/061,602 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/121,654 (32) **23 Jul/juil 1998 (23.07.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08J 5/04, C08K 7/04, C08L 67/02, 101/00**

(54) ● FIBER REINFORCED RESINS WITH IMPROVED PHYSICAL PROPERTIES AND PROCESS FOR PRODUCING SAME

● RESINE RENFORCEE DE FIBRES AUX CARACTERISTIQUES PHYSIQUES AMELIOREES ET PROCEDE DE PRODUCTION DE CETTE RESINE

(71) **EASTMAN CHEMICAL COMPANY** [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US).(72) **WILSON, Bruce, Edwin**; 188 Southwood Drive, Kingsport, TN 37664 (US). **CHERRY, Clinton** (deceased / décédé).(74) **BOSHEARS, Betty, Joy**; P.O. Box 511, Kingsport, TN 37662-5075 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19388** (13) A1

(21) PCT/US97/18416

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08J 5/18, B32B 27/32 // C08L 25:10, 23:02, 23:10**(54) ● ANISOTROPIC ELASTIC FILMS AND WEBS
● FILMS ET BANDES ELASTIQUES ANISOTROPES(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).(72) **JAEGER, Jobst, T.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **SIPINEN, Alan, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).(74) **BOND, William, J.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AU BR CA CN JP KR MX; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19389** (13) A1

(21) PCT/US98/21748

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061.920 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 3/04, 11/00, 5/00, H01M 4/00, C08G 59/00**

(54) ● CONDUCTIVE THERMOSET MOLDING COMPOSITION AND METHOD FOR PRODUCING SAME

● COMPOSITE THERMODURCISSABLE MOULABLE ET SON PROCEDE D'OBTENTION

(63) US 60/061.920 (CIP)
14 Oct/oct 1997 (14.10.1997)(71) **CYTEC TECHNOLOGY CORP.** [US/US]; Suite 1300, 1005 North Market Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **CHOATE, Martin** [US/US]; 1500 Rambler Court, Onalaska, WI 54650 (US). **PETERSON, Robert** [US/US]; R.R. 2, Box 272M, Winona, MN 55987 (US). **HALBRITTER, Allen** [US/US]; 415 West Broadway, Winona, MN 55987 (US). **WEISPFENNING, Jon** [US/US]; 216 Birch Echo Road, Minnesota City, MN 55959 (US). **ALMEN, Gregory** [US/US]; 651 North Standage Road, Mesa, AZ 85201 (US).(74) **SCHAEFFER, David, L.**; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Plaza, New York, NY 10112-3801 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19390** (13) A1

(21) PCT/FR98/02194

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/12807 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 3/22, C08G 8/28**(54) ● COMPOSITE BMC MATERIAL AND METHOD FOR MAKING SAME
● MATERIAU COMPOSITE BMC ET PROCEDE DE FABRICATION DU MATERIAU(71) **CYTEC TECHNOLOGY CORP.** [US/US]; 1105 North Market Street, Wilmington, DE 19801 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **LANDRU, Lionel** [FR/FR]; 22, rue Dr. Strossner, F-62300 Eleu dit Leauwette (FR).(74) **BLOCH & ASSOCIES**; 2, square de l'Avenue du Bois, F-75116 Paris (FR).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE GH HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19391** (13) A1

(21) PCT/EP98/06140

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(31) 08/950.574 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 5/00, 5/435, H01B 1/12, C08L 101/00 // (C08L 101/00, 101:00, 101:00)**

(54) ● INTRINSICALLY CONDUCTIVE POLYMER/PLASTICIZER BLENDS WITH ENHANCED CONDUCTIVITY

● MELANGES DE POLYMERES/PLASTIFIANT CONDUCTEURS INTRINSEQUES POSSEDANT UNE CONDUCTIVITE AMELIOREE

(71) **ZIPPERLING KESSLER & CO. (GMBH & CO.)** [DE/DE]; Ferdinand-Harten-Strasse 7, D-22949 Ammersbek (DE).(72) **KINLEN, Patrick, J.**; 1348 Remington Oak Terrace, Fenton, MO 63026 (US). **MENON, Vinod, P.**; 11567 Tivoli Lane, St. Louis, MO 63146 (US). **DING, Yiwei**; 7574 Buckingham Drive 6, St. Louis, MO 63105 (US).(74) **GROSS, Ulrich-Maria** et al. / etc.; Uexküll & Stolberg, Beselerstrasse 4, D-22607 Hamburg (DE).

(81) CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19392** (13) A1

(21) PCT/US98/19242

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) en (26) en

(31) 08/947.999 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 5/00, C08L 23/16 // (C08K 5/00, 5:01, 5:10, 5:521)**

(54) ● DEPRESSION OF THE GLASS TRANSITION TEMPERATURE OF POLYOLEFINS CONTAINING CYCLIC MONOMERS

● ABAISSEMENT DE LA TEMPERATURE DE TRANSITION VITREUSE DE POLYOLEFINES CONTENANT DES MONOMERES CYCLIQUES

(71) **EXXON CHEMICAL PATENTS INC.** [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US).(72) **DATTA, Sudhin**; 2203 Driscoll Street, Houston, TX 77019 (US). **HARRINGTON, Bruce, A.**; 14239 Oak Chase Drive, Houston, TX 77062 (US).(74) **SCHNEIDER, John, E.** et al. / etc.; Exxon Chemical Company, P.O. Box 2149, Baytown, TX 77522-2149 (US).

(81) BR JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19393** (13) A1

(21) PCT/US98/18335

(22) **4 Sep/sep 1998 (04.09.1998)**

(25) en (26) en

(31) 08/949.551 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 5/09, 5/10, C08L 27/08**

(54) ● EXTRUDABLE VINYLIDENE CHLORIDE POLYMER COMPOSITIONS

● COMPOSITIONS EXTRUDABLES D'UN POLYMER DE CHLORURE DE VINYLIDENE

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).(72) **LEE, Eric, K.**; 1100 Wildwood Street, Midland, MI 48642 (US). **VANSUMEREN, Mark, W.**; 609 Gerald Court, Midland, MI 48642 (US). **MOUNTS, Michael, L.**; 3052 Lois Avenue, Midland, MI 48640 (US).(74) **DAMOCLES, Nemia, C.**; Patent Dept., P.O. Box 1967, Midland, MI 48641-1967 (US).

(81) AU BR CA CN CZ JP KR MX NZ RU; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19394** (13) A1

(21) PCT/US98/21673

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/951,405 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 5/41, 5/42, C08L 23/02**

(54) ● THERMOPLASTIC ELASTOMER COMPOSITIONS HAVING IMPROVED PROCESSING PROPERTIES

● COMPOSITIONS ELASTOMERES THERMOPLASTIQUES AVEC APTITUDE AU TRAITEMENT AMELIOREE

(71) **ADVANCED ELASTOMER SYSTEMS, L.P.** [US/US]; 388 South Main Street, Akron, OH 44311-1059 (US). **EXXON CHEMICAL PATENTS, INC.** [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US).

(72) **PEIFFER, Dennis, G.**; 33 John Drive, Annandale, NJ 08801 (US). **ELLUL, Maria, D.**; 2904 Kent Road, Silver Lake, OH 44224-3710 (US). **ERDERLY, Thomas, C.**; 4114 Mohawk, Baytown, TX 77521 (US). **CHLUDZINSKI, James, J.**; 31 Casper Berger Road, White House Station, NJ 08889 (US). **DEKMEZIAN, Armen**; 2806 Evergreen Cliff Terrace, Kingwood, TX 77345 (US). **HAZELTON, Donald, R.**; 6531 Hammon-tree Drive, Hudson, OH 44236 (US). **MONTAGNA, Angelo, A.**; 3854 Chevy Chase Drive, Houston, TX 77019 (US). **ROSENBAUM, Barry, M.**; 19001 Shelburne Road, Shaker Heights, OH 44118 (US).

(74) **HARRIS, Gerald, L.**; Exxon Chemical Company, P.O. Box 2149, Baytown, TX 77522-2149 (US) et al. / etc.

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19395** (13) A1

(21) PCT/US98/21898

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/062,435 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 09/172,578 (32) **13 Oct/oct 1998 (13.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 5/521, 5/5398**

(54) ● POLYVINYL CHLORIDE BASED PLENUM CABLE COMPOSITIONS

● COMPOSITIONS A BASE DE CHLORURE DE POLYVINYLE POUR CABLES DE VIDES TECHNIQUES

(71) **FMC CORPORATION** [US/US]; 1735 Market Street, Philadelphia, PA 19103 (US).

(72) **ARVIND, Rao, M.**; 1209 North Umlerland Way, Monmouth Junction, NJ 08852 (US). **KOTAK, Vijay**; 35 Hamilton Lane South, Plainsboro, NJ 08536 (US). **PLACEK, Douglas, G.**; 1508 Pownal Drive, Yardley, PA 19067 (US).

(74) **CALDWELL, John, W.**; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, One Liberty Place, 46th floor, Philadelphia, PA 19103 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19396** (13) A1

(21) PCT/DK98/00440

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 97610046.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 7/04, 9/04**

(54) ● REINFORCING MINERAL FIBRES

● RENFORCEMENT AVEC FIBRES MINERALES

(71) **ROCKWOOL INTERNATIONAL A/S** [DK/DK]; Hovedgaden 584, DK-2640 Hede-husene (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HENNISSEN, Bernardus, G., M.** [NL/NL]; Molenveg 12, NL-6019 BS Wessem (NL). **GHIJZEN, Cor, J., M.** [NL/NL]; Chris Plitscherlaan 20, NL-6114 MZ Susteren (NL).

(74) **PLOUGMANN, VINGTOFT & PARTNERS A/S**; Sankt Annæ Plads 11, P.O. Box 3007, DK-1021 Copenhagen K (DK).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19397** (13) A1

(21) PCT/NL98/00572

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en

(31) 197 45 064.4 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08K 13/02, C08L 23/02 // (C08K 13/02, 3:30, 5:20, 5:25)**

(54) ● STABILIZED POLYOLEFIN

● POLYOLEFINE STABILISEE

(71) **DSM N.V.** [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BILDA, Dieter** [DE/DE]; Franz Liszt Strasse 34, D-46282 Dorsten (DE). **HAMMEL, Reinhart** [AT/DE]; Hohenzollernstrasse 35, D-45659 Recklinghausen (DE). **WARSCHEWSKI, Wolfgang** [DE/DE]; Heidbrink 16, D-45659 Recklinghausen (DE).

(74) **NIEUWKAMP, Johannes, Gerardus, Maria**; Octrooibureau DSM, P.O. Box 9, NL-6160 MA Geleen (NL).

(81) AL AU BA BB BG BR CA CN CU CZ EE GD GE HR HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19398** (13) A1

(21) PCT/US98/21843

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/950,983 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08L 23/02, 25/02, 27/02, C08J 5/18 // (C08L 23/02, 27/02) (C08L 25/02, 27/02) (C08L 27/02, 23:02) (C08L 27/02, 25:02)**

(54) ● THERMOPLASTIC COMPOSITIONS OF INTERPOLYMERS OF α -OLEFIN MONOMERS WITH ONE OR MORE VINYL OR VINYLIDENE AROMATIC MONOMERS AND/OR ONE OR MORE HINDERED ALIPHATIC OR CYCLOALIPHATIC VINYL OR VINYLIDENE MONOMERS BLENDED WITH VINYL HALIDE HOMOPOLYMERS AND COPOLYMERS

● COMPOSITIONS THERMOPLASTIQUES D'INTERPOLYMERES DE MONOMERES D' α -OLEFINES AVEC UN OU PLUSIEURS MONOMERES VINyliques OU VINYLIDENE AROMATIQUES ET/OU UN OU PLUSIEURS MONOMERES VINyliques OU VINYLIDENE ALIPHATIQUES OU CYCLOALIPHATIQUES ENTRAVERS MELANGES A DES HOMOPOLYMERES ET DES COPOLYMERES D'HALOGENURE DE VINYLE

(71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHEUNG, Yunwa, W.** [US/US]; Apartment 810, 510 That Way, Lake Jackson, TX 77566 (US). **GUEST, Martin, J.** [GB/US]; 106 Greenbriar, Lake Jackson, TX 77566 (US).

(74) **SPENCER, Lee**; Patent Dept., B-1211, 2301 Brazosport Boulevard, Freeport, TX 77541 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19399** (13) A1

(21) PCT/US98/21400

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,598 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C08L 23/10, 23/16, 23/08**

- (54) ● THERMOPLASTIC POLYMER ALLOY COMPOSITION
● COMPOSITION A BASE D'ALLIAGE DE POLYMERES THERMOPLASTIQUE
- (71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

- (72) **DAWSON, Robert, Louis**; 1220 Elderon Drive, Wilmington, DE 19808 (US).
- (74) **EVANS, Craig, H.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
- (81) AU BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19400** (13) A1
(21) PCT/EP98/05942
(22) **18 Sep/sep 1998 (18.09.1998)**
(25) de (26) de
(31) 197 45 047.4 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 23/16, 23/06, 23/04**
(54) ● POLYMER MIXTURE WITH GOOD WORKABILITY
● MELANGE POLYMERE PRESENTANT UNE BONNE APTITUDE A LA MISE EN OEUVRE
- (71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **BAUER, Peter** [DE/DE]; Erich-Kästner-Strasse 13, D-67071 Ludwigshafen (DE). **LUX, Martin** [DE/DE]; Mainstrasse 4, D-67125 Dannstadt-Schauernheim (DE). **LILGE, Dieter** [DE/DE]; Max-Planck-Strasse 7, D-67117 Limburgerhof (DE). **FALLER, Uwe** [DE/DE]; Deichstrasse 33, D-67277 Frankenthal (DE).

- (74) **BASF AKTIENGESELLSCHAFT**; D-67056 Ludwigshafen (DE).
- (81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19401** (13) A1
(21) PCT/US98/21220
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 08/948,882 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 59/00**

- (54) ● POLYACETAL COMPOSITION WITH IMPROVED TOUGHNESS
● COMPOSITION DE POLYACETAL PRESENTANT UNE DURETE AMELIOREE
- (71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

- (72) **SHINOHARA, Kenichi**; 2-32-5, Toyosotodai Utsunomiya-shi, Tochigi 320 (JP). **FLEXMAN, Edmund, Arthur**; 10 Crestfield Road, Wilmington, DE 19810 (US).

- (74) **PHAM, Hanh, P.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
- (81) CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19402** (13) A1
(21) PCT/US98/20284
(22) **28 Sep/sep 1998 (28.09.1998)**
(25) en (26) en
(31) 60/062,016 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(31) 09/121,652 (32) **23 Jul/juil 1998 (23.07.1998)** (33) US

- (43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 67/00, C08J 3/00, 5/18, D01F 6/92**
(54) ● THERMOTROPIC LIQUID CRYSTALLINE POLYMERS AS STABILIZERS IN THERMOPLASTIC POLYESTERS
● POLYMERES A CRISTAUX LIQUIDES THERMOTROPIQUES UTILISES COMME STABILISANTS DANS LES POLYESTERS THERMOPLASTIQUES
- (71) **EASTMAN CHEMICAL COMPANY** [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US).

- (72) **WILSON, Bruce, Edwin**; 188 Southwood Drive, Kingsport, TN 37664 (US). **CHERRY, Clinton** (deceased / décédé).

- (74) **BOSHEARS, Betty, Joy**; P.O. Box 511, Kingsport, TN 37662-5075 (US).

- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19403** (13) A1
(21) PCT/EP98/06630
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/062,852 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(31) 60/062,112 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **C08L 67/06, B32B 27/36**
(54) ● WATER RESISTANT UNSATURATED POLYESTER RESIN COMPOSITIONS
● COMPOSITIONS DE RESINE A RESISTANCE AUX AGENTS CHIMIQUES ET/OU A IMPERMEABILITE A L'EAU AMELIOREES

- (71) **COOK COMPOSITES AND POLYMERS COMPANY** [US/US]; 919 East 14th Avenue, North Kansas City, MO 64116 (US).
(for all designated States except / pour tous les États désignés sauf PL)

- (71) **CRAY VALLEY S.A.** [FR/FR]; Tour Total, 24, cours Michelet, F-92800 Puteaux (FR).
(only for / seulement pour PL)

- (72) **HSU, Chih-Pin**; 6722 N.W. Monticello Drive, Kansas City, MO 64152 (US). **ZHAO, Ming-Yang**; 6410 North Fisk Court, Kansas City, MO 64151 (US). **BERGSTROM, Linda**; 4420 N.W. Indian Lane, Kansas City, MO 64150 (US).

- (74) **CHAILLLOT, Geneviève**; Cabinet Chaillot, 16-20, avenue de l'Agent Sarre, Boîte postale n° 74, F-92703 Colombes Cedex (FR).
- (81) CA MX PL; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19404** (13) A1
(21) PCT/FR98/02193
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) fr (26) fr
(31) 97/12806 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

- (43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 67/06, 63/10 // (C08L 67/06, 67:02)**
(54) ● THERMOSETTING BMC COMPOSITION AND METHOD FOR MAKING SAME
● COMPOSITION THERMODURCISSABLE DE TYPE BMC ET PROCEDE DE FABRICATION DE LA COMPOSITION

- (71) **BULK MOLDING COMPOUNDS INC.** [US/US]; 1600 Powis Court, West Chicago, IL 60185 (US).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **LANDRU, Lionel** [FR/FR]; 22, rue Dr. Strossner, F-62300 Eleu dit Leauwette (FR).

- (74) **BLOCH & ASSOCIES**; 2, square de l'Avenue du Bois, F-75116 Paris (FR).

- (81) AL AU BA BB BG BR CA CN CU CZ EE GE GH HR HU ID IL IS JP KP KR LC LK LR LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19405** (13) A1
(21) PCT/JP98/04533
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) ja (26) ja
(31) 9/293504 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 71/02, 43/04, C08K 5/17, 5/09**

- (54) ● CURABLE COMPOSITION
● COMPOSITION DURCISSABLE
- (71) **KANEKA CORPORATION** [JP/JP]; 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 530-8288 (JP).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **YAMAGUCHI, Izumi** [JP/JP]; 202, Piauesuto-Nishiakashi, 1336-2, Toba, Akashi-shi, Hyogo 673-0003 (JP). **FUJITA, Masayuki** [JP/JP]; 651-6, Syo, Shikitocho, Himeji-shi, Hyogo 671-0218 (JP). **IWAKIRI, Hiroshi** [JP/JP]; 9-4, Mikatadai 2-chome, Nishi-ku, Kobe-shi, Hyogo 651-2277 (JP).

- (74) **YASUTOMI, Yasuo** et al. / etc.; Recruit Shin Osaka Building 4F, 14-22, Nishinakajima 5-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0011 (JP).

- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19406** (13) A1
(21) PCT/US98/11368
(22) **3 Jun/juin 1998 (03.06.1998)**
(25) en (26) en
(31) 08/951,013 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 75/04, 77/00, 67/02**
(54) ● COMPATIBILIZED BLENDS OF A THERMOPLASTIC ELASTOMER AND A POLYOLEFIN
● MELANGES COMPATIBILISES D'UN ELASTOMERE THERMOPLASTIQUE ET D'UNE POLYOLEFINE
(71) **THE B.F. GOODRICH COMPANY** [US/US]; 4020 Kinross Lakes Parkway, Richfield, OH 44286-9368 (US).
(72) **FARKAS, Julius**; 36200 Behm Drive, North Ridgeville, OH 44039 (US). **JACOBS, Charles, Patrick**; 706 Bowling Green Circle, Elyria, OH 44035 (US). **LAWSON, Dennis, Lee**; 1720 Substation Road, Brunswick, OH 44212 (US). **WILSON, Gary, Franklin**; 38490 River Ridge Court, Grafton, OH 44044 (US).
(74) **TUCKER, Mary, Ann** et al. / etc.; The B.F. Goodrich Company, 9921 Brecksville Road, Brecksville, OH 44141-3289 (US).
(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GE HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19407** (13) A1
(21) PCT/JP98/04650
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/280351 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(31) 9/339731 (32) **10 Dec/déc 1997 (10.12.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C08L 101/00, C08K 5/20, 5/43, 5/36, 5/5399, C08L 63/00, 67/06, C08F 290/06, C08J 5/24**
(54) ● EPOXY RESIN COMPOSITION FOR FIBER-REINFORCED COMPOSITE MATERIAL, PREPREG, AND FIBER-REINFORCED COMPOSITE MATERIAL
● COMPOSITION DE RESINE EPOXYDE POUR MATERIAU COMPOSITE A FIBRES, PREIMPREGNE, ET MATERIAU COMPOSITE A FIBRES
(71) **TORAY INDUSTRIES, INC.** [JP/JP]; 2-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **OOSEDO, Hiroki** [JP/JP]; Seto-ryo, 1456, Oaza Tsutsui, Masaki-cho, Iyo-gun, Ehime 791-3120 (JP). **SAWAOKA, Ryuji** [JP/JP]; Seto-ryo, 1456, Oaza Tsutsui, Masaki-cho, Iyo-gun, Ehime 791-3120 (JP). **NODA, Shunsaku** [JP/JP]; 1415, Oaza Tsutsui, Masaki-cho, Iyo-gun, Ehime 791-3120 (JP). **MIYOSHI, Naomi** [JP/JP]; 1451, Oaza Tsutsui, Masaki-cho, Iyo-gun, Ehime 791-3120 (JP).
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- (11) **WO 99/19408** (13) A1
(21) PCT/FR98/02170
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) fr (26) fr
(31) 97/12769 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C09C 1/02, C08K 3/00, C09D 7/12, C04B 33/14, D21H 17/67, C09D 11/00, A61K 7/00, C14C 11/00, C01G 33/00, 35/00, C01B 21/082**
(54) ● OXINITRIDED COMPOSITION BASED ON AN ALKALINE EARTH AND TANTALUM OR ON AN ALKALINE EARTH AND NIOBIUM, PREPARATION METHODS AND USE AS DYEING PIGMENT
● COMPOSITION OXYNITRUREE A BASE D'UN ALCALINO-TERREUX ET DE TANTALE OU D'UN ALCALINO-TERREUX ET DE NIOBIUM, PROCÉDES DE PRÉPARATION ET UTILISATION COMME PIGMENT COLORANT
(71) **RHODIA CHIMIE** [FR/FR]; 25, quai Paul Doumer, F-92408 Courbevoie (FR).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **DIOT, Nadège** [FR/FR]; 3, rue de Bellefont, F-35100 Rennes (FR). **LE GENDRE, Laurent** [FR/FR]; 93, rue Ange Blaize, F-35100 Rennes (FR). **MARCHAND, Roger** [FR/FR]; 38, rue de la Coulée, F-35510 Cesson-Sévigny (FR).
(74) **DUBRUC, Philippe**; Rhodia Services, 25, quai Paul Doumer, F-92408 Courbevoie (FR).
(81) AU CA CN JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19409** (13) A1
(21) PCT/HU97/00063
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C09D 11/00, B41M 3/14**
(54) ● MEANS AND PROCESS FOR UV-DETECTABLE LABELING OF OBJECTS
● ORGANE ET PROCÉDE D'ÉTIQUETAGE D'OBJETS DETECTABLE AUX ULTRAVIOLETS
(71, 72) **FORGÓ, Ferenc** [HU/HU]; Kossuth út 62, H-3598 Nagycsés (HU).
(74) **S.B.G. AND K. PATENT AND LAW OFFICE**; Andrassy út 113, H-1062 Budapest (HU).
(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US UZ VN; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19410** (13) A1
(21) PCT/US98/04145
(22) **4 Mar/mar 1998 (04.03.1998)**
(25) en (26) en
(31) 08/949,903 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C09D 11/10 // A61L 15/00**
(54) ● ABRASION-RESISTANT INK COMPOSITIONS AND METHODS OF USE
● COMPOSITIONS D'ENCRE RESISTANT A L'ABRASION ET LEURS PROCÉDES D'UTILISATION
(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(72) **DUNSHEE, Wayne, K.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **BROWN, Mary, Lynn**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(74) **SPRAGUE, Robert, W.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19411** (13) A1
(21) PCT/US98/21523
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 60/062,118 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C09D 143/04, B05D 7/26 // (C09D 143/04, 151:00, 161:24)**
(54) ● COATING COMPOSITIONS CONTAINING NON-AQUEOUS DISPERSED POLYMER, A SILANE FUNCTIONAL ACRYLIC POLYMER AND A TRIAZINE
● COMPOSITIONS DE REVETEMENT CONTENANT UN POLYMERE DISPERSE NON AQUEUX, UN POLYMERE ACRYLIQUE A FONCTION SILANE ET UNE TRIAZINE
(71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **JOHNSON, Jeffrey, W.** [US/US]; 1253 Harvard Drive, Rochester Hills, MI 48307 (US). **FOX, Michael, D.** [US/US]; Apartment 206, 45601 Fox Lane, Utica, MI 48317 (US).
(74) **FRICKE, Hilmar, L.**; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
(81) AU BR CA CN JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19412** (13) A1
(21) PCT/US98/21333
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en

- (31) 08/948,916 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09J 5/02**
- (54) ● TECHNIQUES FOR LABELING OF PLASTIC, GLASS OR METAL CONTAINERS OR SURFACES WITH POLYMERIC LABELS
- TECHNIQUES PERMETTANT D'APPOSER DES ETIQUETTES POLYMERES SUR DES RECIPIENTS OU SURFACES EN PLASTIQUE, EN VERRE OU EN METAL
- (71) **PROCESS RESOURCES CORPORATION** [US/US]; 6 Po Road, Thronwood, NY 10594 (US).
- (72) **DRONZEK, Peter, J.**; 6 Poe Road, Thronwood, NY 10594 (US).
- (74) **COSTIGAN, James, V.**; Hedman, Gibson & Costigan, P.C., 1185 Avenue of the Americas, New York, NY 10036 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (31) 08/949,367 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09J 7/02, B32B 27/08**
- (54) ● PROTECTIVE FILMS AND COATINGS
- FILMS ET REVETEMENTS PROTECTEURS
- (71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) **BARRERA, Denise, A.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (74) **PETERS, Carolyn, V.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)

- (11) **WO 99/19413** (13) A1
- (21) PCT/EP98/06416
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) de (26) de
- (31) 297 18 169.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09J 7/02, 7/04, B65H 37/00, B42C 9/00**
- (54) ● ADHESIVE TAPE PACKAGE FOR SUBSEQUENT PROCESSING, FOR EXAMPLE IN BOOK OR PAD BINDING TECHNOLOGY
- CONDITIONNEMENT PAR BANDE ADHESIVE POUR TRAITEMENT ULTERIEUR, PAR EXEMPLE DANS LA TECHNIQUE DE MISE EN TABLETTE OU DE RELIURE
- (71) **PLANATOL KLEBETECHNIK GMBH** [DE/DE]; Fabrikstrasse 30, D-83101 Rohrdorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SCHÜTZ, Ernst** [DE/DE]; Oberdorfstrasse 9, D-83253 Rimsting am Chiemsee (DE).
- (74) **ERNICKE, Hans-Dieter** et al. / etc.; Schwibbogenplatz 2b, D-86153 Augsburg (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19415** (13) A2
- (21) PCT/US98/21174
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 08/947,930 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09J 133/08, 151/00, 151/00, 7/02, B32B 7/12**
- (54) ● REPULPABLE, PRESSURE-SENSITIVE ADHESIVE COMPOSITION AND METHOD FOR IMPROVING THE REPULPABILITY OF ACRYLIC ADHESIVE
- COMPOSITION ADHESIVE AUTOCOLLANTE FAITE POUR LA RETRITURATION ET PROCEDE D'AMELIORATION DE LA RETRITURATION D'UN ADHESIF ACRYLIQUE
- (71) **AVERY DENNISON CORPORATION** [US/US]; 150 North Orange Grove Boulevard, Pasadena, CA 91103 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SU, Shiao-nung** [US/US]; 8537 Locust Drive, Buena Park, CA 90620 (US). **KELLER, Paul** [CH/CH]; Weiherstrasse 5, CH-8274 Gottlieben (CH). **ZEADON, Graham** [GB/CH]; Trubagass, CH-9437 Marbach (CH).
- (74) **CARPENTER, John, D.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19417** (13) A1
- (21) PCT/US98/21322
- (22) **10 Oct/oct 1998 (10.10.1998)**
- (25) en (26) en
- (31) 08/948,563 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09J 153/02, 153/00**
- (54) ● IMPROVED PRESSURE SENSITIVE ADHESIVE COMPRISING SATURATED BACKBONE HAVING SIDE CHAINS
- ADHESIF AUTOCOLLANT PERFECTIONNE A OSSATURE SATUREE A CHAINES LATERALES
- (71) **H.B. FULLER LICENSING & FINANCING, INC.** [US/US]; 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101 (US).
- (72) **KROLL, Mark, S.**; 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101 (US). **FISHER, Carolyn, A.**; 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101 (US).
- (74) **QUAN, Nancy, N.** et al. / etc.; 1200 Willow Lake Boulevard, St. Paul, MN 55110-5101 (US).
- (81) AU CA CN JP KR MX NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)

- (11) **WO 99/19418** (13) A1
- (21) PCT/EP98/06367
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) de (26) de
- (31) 197 45 461.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C09K 5/00, C23F 11/12, 11/14, 11/167**
- (54) ● COOLING LIQUID FOR UTILIZING IN COMPONENTS MADE OF MAGNESIUM
- (11) **WO 99/19416** (13) A1
- (21) PCT/US98/20066

● LIQUIDE DE REFROIDISSEMENT S'UTILISANT DANS DES PIECES EN MAGNESIUM

(71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BRINCK, Carmen** [DE/DE]; Rudolf-Breitscheid-Weg 3 A, D-39291 Möser (DE). **DÜHRING, Egon** [DE/DE]; Helmstedter Strasse 1 C, D-39167 Irxleben (DE).

(81) CA CZ US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19419** (13) A1

(21) PCT/EP98/05686

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) de (26) de

(31) 197 44 792.9 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C09K 11/06, H05B 33/14**

(54) ● TRYPTICENE DERIVATIVES AND THEIR USE IN OPTOELECTRONIC DEVICES, IN PARTICULAR AS ELECTROLUMINESCENT MATERIALS

● DERIVES DE TRIPTYCENE ET LEUR UTILISATION DANS DES DISPOSITIFS OPTOELECTRONIQUES, EN PARTICULIER COMME MATERIAUX ELECTROLUMINESCENTS

(71) **AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG** [DE/DE]; D-65926 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SALBECK, Josef** [DE/DE]; Am Flachsland 56, D-65779 Kelkheim (DE). **BECKER, Heinrich** [DE/DE]; Zum Talblick 30, D-61479 Glashütten (DE). **KREUDER, Willi** [DE/DE]; Sertoriusring 13, D-55126 Mainz (DE). **WEINFURTNER, Karl, Heinz** [DE/DE]; Sauerstrasse 20, D-65934 Frankfurt am Main (DE).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19420** (13) A2

(21) PCT/EP98/06415

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 97117536.9 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(31) 198 40 447.6 (32) **4 Sep/sep 1998 (04.09.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C09K 19/34, 19/42**

(54) ● 5-ARYLINDANE DERIVATIVES AND FERROELECTRIC LIQUID CRYSTAL MIXTURE CONTAINING SAME

● DERIVES 5-ARYLINDANE ET MELANGE DE CRISTAUX LIQUIDES FERROELECTRIQUES CONTENANT CES DERNIERS

(71) **AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG** [DE/DE]; D-65926 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHMIDT, Wolfgang** [DE/DE]; Leimkaul 14, D-51143 Köln (DE). **MANERO, Javier** [ES/DE]; Platanenweg 26, D-65835 Liederbach (DE). **HORNUNG, Barbara** [DE/DE]; Schulstrasse 21a, D-63594 Hasselroth (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19421** (13) A1

(21) PCT/BE98/00146

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 9721812.7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C09K 21/02, B32B 17/06**

(54) ● TRANSPARENT HEAT-SWELLABLE MATERIAL

● MATIERE TRANSPARENTE SUSCEPTIBLE DE GONFLER A LA CHALEUR

(71) **GLAVERBEL** [BE/BE]; Chaussée de la Hulpe 166, B-1170 Brussels (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOELFF, Pierre** [BE/BE]; Rue Grand Douze Bois 31, B-6120 Nalines (BE). **DEGAND, Etienne** [BE/BE]; Bosweg 31, B-1970 Wezembeek-Oppem (BE).

(74) **VANDENBERGHEN, Lucienne**; Glaverbel, Dept. Industrial Property, Centre R. & D., Rue de l'Aurore 2, B-6040 Jumet (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19422** (13) A1

(21) PCT/BE98/00148

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721813.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C09K 21/04, B32B 17/06**

(54) ● HEAT-SWELLABLE MATERIAL

● MATIERE SUSCEPTIBLE DE GONFLER A LA CHALEUR

(71) **GLAVERBEL** [BE/BE]; Chaussée de la Hulpe 166, B-1170 Bruxelles (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GOELFF, Pierre** [BE/BE]; Rue Grand Douze Bois 31, B-6120 Nalines (BE). **MOUSSIAUX, Pierre** [BE/BE]; Route de Hannut 47-B12, B-5004 Bouge (BE). **MICHEL, Bruno** [BE/BE]; J.B. Dekeyserstraat 25, B-3090 Overijse (BE). **DALLENOGARE, Xavier** [BE/BE]; Rue Vanderkindere 80-B1, B-1180 Bruxelles (BE). **ALAOU, Naïma** [BE/BE]; Avenue de l'Université 90, B-1050 Bruxelles (BE).

(74) **VANDENBERGHEN, Lucienne**; Glaverbel, Dept. Industrial Property, Centre R. & D., Rue de l'Aurore 2, B-6040 Jumet (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19423** (13) A1

(21) PCT/IB98/01560

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 60/061,461 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 60/061,496 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 60/064,101 (32) **3 Nov/nov 1997 (03.11.1997)** (33) US

(31) 60/064,124 (32) **3 Nov/nov 1997 (03.11.1997)** (33) US

(31) 60/075,876 (32) **25 Feb/fév 1998 (25.02.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C10C 3/02, 3/14, C08L 95/00, C08K 3/36, 3/34**

(54) ● METHOD FOR RUBBERIZING AND/OR PELLETIZING TRINIDAD LAKE ASPHALT

● TRAITEMENT PERMETTANT LE CAOUTCHOUTAGE ET LA GRANULATION DE L'ASPHALTE DU LAC DE TRINITE

(71, 72) **NICHOLAS, Dolly** [TT/TT]; 15 Hillcrest Drive, Battoo Lands, Marabella (TT).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19424** (13) A1

(21) PCT/US98/21727

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/951,041 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C10G 9/14, 69/06, 55/04**

(54) ● METHOD OF PRODUCING OLEFINS FROM PETROLEUM RESIDUA

● PROCEDE DE PRODUCTION D'OLEFINES A PARTIR DE RESIDUS DE PETROLE

(71) **EQUISTAR CHEMICALS, LP** [US/US]; Suite 1600, 1221 McKinney, Houston, TX 77002 (US).

(72) **BRIDGES, Robert, S.**; 303 W. Spreading Oaks, Friendswood, TX 77546 (US). **HALSEY, Richard, B.**; Apartment 1202, 13000 Woodforest, Houston, TX 77015 (US). **POWERS, Don, H.**; 4900 Basil Drive, McKinney, TX 75070 (US).

(74) **JONES, John, Wilson** et al. / etc.; Liddell, Sapp, Zivley, Hill & LaBoon, L.L.P., Suite 3400, 600 Travis, Houston, TX 77002-3095 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19425** (13) A1

(21) PCT/US98/21263

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/950,482 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C10G 33/04, 21/00, 53/04**

(54) ● PROCESS FOR UPGRADING HEAVY CRUDE OIL PRODUCTION
● PROCEDE PERMETTANT D'AMELIORER LA PRODUCTION DE PETROLE BRUT LOURD

(71) **UNIPURE CORPORATION** [US/US]; Suite 1380, 12 Greenway Plaza, Houston, TX 77046 (US).

(72) **OHSOL, Ernest, O.**; 711 Hyannis Port North, Crosby, TX 77532 (US). **PINKERTON, John, W.**; 1724 Milford Street, Houston, TX 77098 (US). **GILLESPIE, Thomas, E.**; 1909 Nantucket Drive, Houston, TX 77057 (US). **LAITTY, Thomas, H.**; 18506 Point Lookout Drive, Nassau Bay, TX 77058 (US).

(74) **STREIT, Richard, J.**; Ladas & Parry, 224 S. Michigan Avenue, Chicago, IL 60604 (US).

(81) AU CA CN MX TT; EA (AM AZ BY KG KZ MD RU TJ TM).

(11) **WO 99/19426** (13) A1

(21) PCT/GB98/03066

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721584.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C10L 1/14, 10/02**

(54) ● FUEL ADDITIVES
● ADDITIFS POUR CARBURANT

(71, 72) **AHMED, Syed, Habib** [GB/GB]; 2 Morecombe Terrace, London N18 1LA (GB).

(74) **ELLIS-JONES, Patrick, George, Armine** et al. / etc.; J.A. KEMP & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19427** (13) A1

(21) PCT/GB98/03044

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721735.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C10M 159/22, 135/30, C07C 321/30**

(54) ● SULPHUR-CONTAINING CALIXARENES, METAL SALTS THEREOF, AND ADDITIVE AND LUBRICATING OIL COMPOSITIONS CONTAINING THEM
● CALIXARENES A BASE DE SOUFRE, LEURS SELS METALLIQUES, ET COMPOSITIONS LES RENFERMANT UTILISEES COMME ADDITIFS ET LUBRIFIANTS

(71) **LUBRIZOL ADIBIS HOLDINGS (UK) LIMITED** [GB/GB]; Dock Road South, Bromborough, Wirral, Merseyside L62 4SH (GB).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CRAWFORD, John** [GB/GB]; 13 Loxford Road, Caterham, Surrey CR3 6BH (GB).

(74) **CRISP, David, Norman**; D. Young & Co., 21 New Fetter Lane, London EC4A 1AY (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19428** (13) A1

(21) PCT/US97/18570

(22) **10 Oct/oct 1997 (10.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/00, 1/14, 1/37, 1/65, 1/83, 1/86, 1/94**

(54) ● A DETERGENT COMPOSITION
● COMPOSITION DETERGENTE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KVIETOK, Frank, Andrej** [US/US]; 1103 Richwood Avenue, Cincinnati, OH 45208 (US). **HELTOVICS, Gabor** [HU/GB]; 38 Bellingham Court, Kenton, Newcastle-upon-Tyne NE3 RT (GB). **FIGUEROA, Francisco, Ramon** [VE/GB]; 35 Preston Wood, North Shields, Tyne & Wear NE30 3LT (GB). **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US). **MOSS, Michael, Alan, John** [GB/GB]; 13 Painsfield Road, Stocksfield, Northumberland NE43 7DZ (GB). **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Minatojima Nakamachi, Chuo-ku, Kobe, Hyogo 650 (JP).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19429** (13) A1

(21) PCT/US97/18842

(22) **10 Oct/oct 1997 (10.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/00, 1/14, 3/39**

(54) ● A DETERGENT COMPOSITION
● COMPOSITION DE DETERGENT

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KVIETOK, Frank, Andrej** [US/US]; 1103 Richwood Avenue, Cincinnati, OH 45208 (US). **HELTOVICS, Gabor** [HU/GB]; 38 Bellingham Court, Kenton, Newcastle-upon-Tyne NE3 RT (GB). **FIGUEROA, Francisco, Ramon** [VE/GB]; 35 Preston Wood, North Shields, Tyne & Wear NE30 3LT (GB). **MOSS, Michael, Alan, John** [GB/GB]; 13 Painsfield Road, Stocksfield, Northumberland NE43 7DZ (GB). **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Minatojima Nakamachi, Chuo-ku, Kobe 650, Hyogo (JP).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19430** (13) A1

(21) PCT/US98/21359

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,879 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/37, 7/10**

(54) ● DETERGENT COMPOSITION CONTAINING MID-CHAIN BRANCHED SURFACTANTS AND AN ELECTROLYTE FOR IMPROVED PERFORMANCE
● COMPOSITION DETERGENTE CONTENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE ET UN ELECTROLYTE POUR UNE MEILLEURE PERFORMANCE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KVIETOK, Frank, Andrej** [US/US]; 1103 Richwood Avenue, Cincinnati, OH 45208 (US). **HELTOVICS, Gabor** [HU/GB]; 38 Bellingham Court, Kenton, Newcastle-upon-Tyne NE3 RT (GB). **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Chuo-ku, Kobe 650 (JP). **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **GODFROID, Robert, Allen** [US/US]; 5309 Whispering Woods, West Chester, OH 45069 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721691.5 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/44, 1/65, 3/39**

(54) ● ALKOXYLATED AMINES AND THEIR USE IN CLEANING COMPOSITIONS

● AMINES ALCOXYLEES ET LEUR UTILISATION DANS DES COMPOSITIONS NETTOYANTES

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).

(only for / seulement pour AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).

(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG US ZW)

(72, 75) **BARTOLETTI, Marcella, Margherita, Leda** [IT/IT]; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **BOLZONI, Giuseppe, Vincenzo** [IT/IT]; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **FERRO, Emanuela** [IT/IT]; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **GALLI, Marco** [IT/IT]; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **MORRIS, Ronald, Meredith** [GB/HU]; Unilever Magyarorszag KFT, Devai u. 26-28, H-1134 Budapest XIII (HU).

(74) **DEKKER, Enno, Ernst, Jan**; Unilever plc, Patent Dept., Colworth House, Sharnbrook, Bedford MK44 1LQ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19432** (13) A1

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(31) 9721690.7 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/44, 3/00, 3/02, 3/39, 1/835, 7/08, A01N 59/02, 33/08**

(54) ● ACID CLEANING COMPOSITIONS CONTAINING ALKOXYLATED AMINES AND THEIR USE

● COMPOSITIONS NETTOYANTES ACIDES RENFERMANT DES AMINES ALCOXYLEES ET LEURS APPLICATIONS

(71) **UNILEVER PLC** [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).

(only for / seulement pour AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)

(71) **UNILEVER N.V.** [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).

(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)

(72) **BARTOLETTI, Marcella, Margherita, Leda**; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **BOLZONI, Giuseppe, Vincenzo**; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **FERRO, Emanuela**; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **GALLI, Marco**; Unilever Italia S.p.A., Divisione Lever Industriale, Via Lever Gibbs, 3, I-20071 Casalpusterlengo (IT). **JONES, Carolyn, Elizabeth**; Lever Brothers Ltd., P.O. Box 69, Port Sunlight, Wirral, Merseyside L62 4ZD (GB). **MORRIS, Ronald, Meredith**; Unilever Magyarorszag KFT, Devai u. 26-28, H-1134 Budapest XIII (HU).

(74) **DEKKER, Enno, Ernst, Jan**; Unilever PLC, Patent Dept., Colworth House, Sharnbrook, Bedford, MK44 1LQ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19433** (13) A1

(21) PCT/US98/21221

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,218 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/62, 7/50, 17/00**

(54) ● SHOWER AND SHAVE BODY WASH

● SAVON POUR LA DOUCHE ET LE RASAGE

(71) **AVON PRODUCTS, INC.** [US/US]; 1251 Avenue of the Americas, New York, NY 10020 (US).

(72) **CORMIER, Pam, A.**; 133 Gardnertown Road, Newburgh, NY 12550 (US). **SCHICK, Laura, A.**; 326 Sunrise Drive, Newburgh, NY 12550 (US). **POSTEN, Mary, L.**; 418 Sterling Place, Ridgewood, NJ 07450 (US).

(74) **RUGGIERO, Charles, N., J.**; Ohlandt, Greeley, Ruggiero & Perle, L.L.P., 9th floor, 1 Landmark Square, Stamford, CT 06901-2682 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19434** (13) A1

(21) PCT/IB98/01584

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 60/061,971 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/65, 1/835, 17/06, 3/39**

(54) ● GRANULAR DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DETERGENTES GRANULEUSES COMPRENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US). **CRIFE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedham** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David et al.** / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/IB98/01604

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/062,086 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/65, 1/835, 17/06, 3/39**

(54) ● GRANULAR DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DETERGENTES GRANULEUSES COMPRENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
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(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIFE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 60/061,883 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/65**

(54) ● MIXED SURFACTANT SYSTEM

● MELANGES DE TENSIOACTIFS

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19437** (13) A1

(21) PCT/US98/21495

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,880 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/65, 1/37**

(54) ● DETERGENT COMPOSITION WITH A SELECTED SURFACTANT SYSTEM CONTAINING A MID-CHAIN BRANCHED SURFACTANT

● COMPOSITION DETERGENTE AVEC SYSTEME DE TENSIO-ACTIF SELECTIONNE CONTENANT UN TENSIO-ACTIF RAMIFIE EN MILIEU DE CHAINE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KVIETOK, Frank, Andrez** [US/US]; 1103 Richwood Avenue, Cincinnati, OH 45208 (US). **HELTOVIC, Gabor** [HU/GB]; 38 Bellingham Court, Kenton, Newcastle-upon-Tyne NE3 3RT (GB). **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Chuo-ku, Kobe 650 (JP). **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **15 Oct/oct 1998 (15.10.1998)**

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(31) 08/943,675 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/825, 1/94, 1/835, A61K 7/50**

(54) ● HIGH FOAMING DETERGENT COMPOSITION HAVING NON-IONIC SURFACTANT BASE

● COMPOSITION DE DETERGENT A FORT MOUSSAGE PRESENTANT UNE BASE DE TENSIOACTIFS NON IONIQUES

(63) US 08/943,675 (CIP)
15 Oct/oct 1997 (15.10.1997)

(71) **STEPAN COMPANY** [US/US]; 22 West Frontage Road, Northfield, IL 60093 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KNOX, Steven, J.** [US/US]; Apartment #502, 555 West Arlington Place, Chicago, IL 60614 (US). **MALIK, Arshad** [US/US]; 3172 Riviera Way, San Ramon, CA 94583 (US).

(74) **NOONAN, Kevin, E.**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19439** (13) A1

(21) PCT/IB98/01538

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 60/061,917 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/83, 3/37, 3/30**

(54) ● LIGHT-DUTY LIQUID OR GEL DISHWASHING DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DETERGENTES LEGERES LIQUIDES OU EN GEL POUR LAVER LA VAISSELLE COMPRENANT DES TENSIO-ACTIFS RAMIFIES A CHAINE MEDIANE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIFE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **SCHEPER, William, Michael** [US/US]; 2393 Picnic Woods Drive, Lawrenceburg, IN 47025 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) CN CZ CZ (Utility model / modèle d'utilité) JP MX PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/IB98/01542

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 60/063,997 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 1/83, 3/37, 3/30, 1/00, 3/386**

(54) ● LIGHT-DUTY LIQUID OR GEL DISHWASHING DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DE DETERGENT POUR LAVER LA VAISSELLE, SOUS FORME DE GEL OU DE LIQUIDE, COMPRENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE

- (71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIFE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **SCHÉPER, William, Michael** [US/US]; 2393 Picnic Woods Drive, Lawrenceburg, IN 47025 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19441** (13) A1
(21) PCT/IB98/01583
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) en (26) en
(31) 97870155.5 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 1/83, 3/00**
(54) ● CLEANING AND DISINFECTING COMPOSITIONS
● COMPOSITIONS DE NETTOYAGE ET DE DESINFECTATION
(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
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- (72, 75) **TRANI, Marina** [IT/GB]; Flat 6, Chiswick Plaza, 31/33 Sutton Court Road, Chiswick, London W4 (GB). **RASO, Floriana** [IT/IT]; Via Gregorio XI, 57/8, I-00166 Rome (IT). **SEVERINI, Antonella** [IT/IT]; Via Ruggero Leoncavallo, 5, I-00199 Rome (IT).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) CA MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19442** (13) A1
(21) PCT/US98/21504
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/949,313 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 3/18, 3/20, 3/30, 3/37**
- (54) ● STRIPPING COMPOSITION FOR URETHANE CONFORMAL COATINGS
● COMPOSITION DE DECAPAGE POUR REVETEMENTS CONFORMES A BASE D'URETHANE
(71, 72) **MARTIN, Richard, P., II** [US/US]; c/o R. & E. Martin, 2817-21 Helen Street, Philadelphia, PA 19134 (US). **MARTIN, Rosemary** [US/US]; c/o R. & E. Martin, 2817-21 Helen Street, Philadelphia, PA 19134 (US).
- (74) **McCONNON, James, C.** et al. / etc.; Paul and Paul, 2900 Two Thousand Market Street, Philadelphia, PA 19103 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19443** (13) A1
(21) PCT/US97/18690
(22) **10 Oct/oct 1997 (10.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 3/22, 1/00, 1/14**
(54) ● MID-CHAIN BRANCHED SURFACTANTS WITH POTASSIUM IONS
● TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE AVEC IONS POTASSIUM
(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Minatojima Nakamachi, Chuo-ku, Kobe 650 (JP).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19444** (13) A1
(21) PCT/US97/18697
(22) **10 Oct/oct 1997 (10.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 3/22, 1/00, 1/14, 17/06, 3/10**
(54) ● A DETERGENT COMPOSITION
● COMPOSITION DETERGENTE
(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KVIETOK, Frank, Andrej** [US/US]; 1103 Richwood Avenue, Cincinnati, OH 45208 (US). **HELTOVICS, Gabor** [HU/GB]; 38 Bellingham Court, Kenton, Newcastle-upon-Tyne NE3 RT (GB). **FIGUEROA, Francisco, Ramon** [VE/GB]; 35 Preston Wood, North Shields, Tyne & Wear NE30 3LT (GB). **WILLMAN, Kenneth, William** [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US). **MOSS, Michael, Alan, John** [GB/GB]; 13 Painshawfield Road, Stocksfield, Northumberland NE43 7DZ (GB). **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Minatojima Nakamachi, Chuo-ku, Hyogo, Kobe 650 (JP).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19445** (13) A1
(21) PCT/US97/18841
(22) **10 Oct/oct 1997 (10.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 3/22, 1/00, 1/14**
(54) ● MID-CHAIN BRANCHED SURFACTANTS WITH CELLULOSE DERIVATIVES
● TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE AVEC DERIVES CELLULOSIQUES
(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KATSUDA, Rinko** [JP/JP]; Kobe Park City C507, 6-2-1, Minatojima Nakamachi, Chuo-ku, Kobe 650 (JP). **KAWASAKI, Eriko** [JP/JP]; Kuroda 235, Hirano-cho, Nishi-ku, Kobe 651-22 (JP). **MURATA, Susumu** [JP/JP]; A-3, 6-5 Yuba-cho, Nishinomiya, Hyogo 662 (JP).
- (74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19446** (13) A1
(21) PCT/JP98/04549
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) ja (26) ja
(31) 08/948,577 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C11D 3/28, 3/30, 3/20, 3/34**
(54) ● DETERGENT AND METHOD OF CLEANING WITH THE SAME
● DETERGENT ET PROCEDE DE NETTOYAGE A L'AIDE DE CELUI-CI
(71) **TAIHO INDUSTRIES CO., LTD.** [JP/JP]; 21-44, Takanawa 2-chome, Minato-ku, Tokyo 108-0074 (JP).

(72) **USHIJIMA, Takashi**; 4365, Izumi-cho, Izumi-ku, Yokohama-shi, Kanagawa-ken 245-0016 (JP). **IKEDA, Atsushi**; 942-1-202, Endo, Fujisawa-shi, Kanagawa-ken 252-0816 (JP). **SHINOHARA, Seigo**; 1-1-7-302, Tsutsumi, Chigasaki-shi, Kanagawa-ken 253-0006 (JP). **KIJIMA, Tetsuo**; 2445, Koyama-cho, Machida-shi, Tokyo 194-0212 (JP).

(74) **FUKUMURA, Naoki**; 401, Chuo-Dainana Nishi-Shinjuku Building, 18-5 Nishi-Shinjuku 7-chome, Shinjuku-ku, Tokyo 160-0023 (JP).

(81) AU CA CN ID JP KR NZ SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19447** (13) A1

(21) PCT/US98/21807

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,856 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/30, 3/43, G03C 11/12, H01L 21/304, 21/3065**

(54) ● AMMONIUM BORATE CONTAINING COMPOSITIONS FOR STRIPPING RESIDUES FROM SEMICONDUCTOR SUBSTRATES

● COMPOSITIONS CONTENANT DU BORATE D'AMMONIUM DESTINEES A L'ELIMINATION DES RESIDUS DE SUBSTRATS A SEMI-CONDUCTEUR

(71) **ADVANCED CHEMICAL SYSTEMS INTERNATIONAL, INC.** [US/US]; 510 Alder Drive, Milpitas, CA 95035 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WOJTCZAK, William, A.** [US/US]; 350 Elan Village Lane #1, San Jose, CA 95134 (US). **GUAN, George** [US/US]; 3900 Moorpark Avenue #58, San Jose, CA 95117 (US).

(74) **GUILLOT, Robert, O.** et al. / etc.; Oppenheimer Wolff & Donnelly LLP, Suite 400, 101 Park Center Plaza, San Jose, CA 95113 (US).

(81) CA ID IL JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19448** (13) A1

(21) PCT/US98/21615

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061,970 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/37, 3/00, 17/04, 1/83, 1/94**

(54) ● HARD SURFACE CLEANING COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DE NETTOYAGE DE SURFACES DURES, COMPRENANT DES TENSIOACTIFS RAMIFIES A CHAINE MOYENNE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
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(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIBE,**

Thomas, Anthony [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **MORELLI, Joseph, Paul** [US/US]; 541 Howell Street, Cincinnati, OH 45220 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) CA CN CZ CZ (Utility model / modèle d'utilité) JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19449** (13) A1

(21) PCT/US98/21617

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,407 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/37, 3/00, 17/04, 1/83, 3/20**

(54) ● HARD SURFACE CLEANING COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DE NETTOYAGE DE SURFACES DURES, COMPRENANT DES TENSIOACTIFS RAMIFIES A CHAINE MOYENNE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
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(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIBE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140-7345 (US). **MORELLI, Joseph, Paul** [US/US]; 541 Howell Street, Cincinnati, OH 45220 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedman** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) BR JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19450** (13) A1

(21) PCT/US98/21678

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/061,924 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/39, 3/43, 1/65, 1/835**

(54) ● AQUEOUS AND NON-AQUEOUS HEAVY DUTY LIQUID DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DETERGENTES LIQUIDES AQUEUSES ET NON AQUEUSES RENFERMANT DES TENSIOACTIFS RAMIFIES A CHAINE MOYENNE POUR TRAVAUX LOURDS

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

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(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIBE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140 (US). **SCHEPER, William, Michael** [US/US]; 2393 Picnic Woods Drive, Lawrenceburg, IN 47025 (US). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedham** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) BR CA CN CZ CZ (Utility model / modèle d'utilité) JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19451** (13) A1

(21) PCT/US98/21679

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,087 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/39, 3/43, 1/65, 1/835, 1/83, 1/86, 1/72**

(54) ● NON-AQUEOUS LIQUID DETERGENT COMPOSITIONS COMPRISING MID-CHAIN BRANCHED SURFACTANTS

● COMPOSITIONS DETERGENTES LIQUIDES NON AQUEUSES RENFERMANT DES TENSIOACTIFS RAMIFIES A CHAINE MOYENNE

(71) **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VINSON, Phillip, Kyle** [US/US]; 5803 Windermere Lane, Fairfield, OH 45014 (US). **CRIBE, Thomas, Anthony** [US/US]; 599 Three Chimneys Lane, Loveland, OH 45140 (US). **LABEQUE, Regine** [FR/BE]; Rue de Lombartzyde 27, B-1120 Brussels (BE). **STIDHAM, Robert, Emerson** [US/US]; 20377 Georgetown Road, Lawrenceburg, IN 47025 (US). **CONNOR, Daniel, Stedham** [US/US]; 9217 Sagemeadow Drive, Cincinnati, OH 45251 (US).

(74) **REED, T., David** et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).

(81) BR CA CN CZ CZ (Utility model / modèle d'utilité) JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19452** (13) A1

(21) PCT/GB98/03053

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721586.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C11D 3/50, 17/00**

(54) ● LAUNDRY TREATMENT PRODUCTS FOR SPANDEX® CONTAINING FABRICS

- PRODUITS DE TRAITEMENT POUR LE LAVAGE DU LINGE DESTINES A DES TISSUS A BASE DE SPANDEX®
- (71) UNILEVER PLC [GB/GB]; Unilever House, Blackfriars, London EC4 4BQ (GB).
(only for / seulement pour AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)
- (71) UNILEVER N.V. [NL/NL]; Weena 455, NL-3013 AL Rotterdam (NL).
(for all designated States except / pour tous les États désignés sauf AU BB CA CY GB GD GH GM IE IL KE LC LK LS MN MW NZ SD SG SL SZ TT UG ZW)
- (72, 75) PERRING, Keith, Douglas [GB/GB]; 14 Malvern Road, Ashford, Kent TN24 8HS (GB).
CLEMMENTS, Christopher, Francis [GB/GB]; Inveresk, Lookers Lane, Saltwood, Hythe, Kent CT21 5HW (GB).
MACMASTER, Angus, Peter [GB/GB]; The Barn, Robus Ceramics, Evington Park, Hastingsleigh, Nr. Ashford, Kent TN25 5JH (GB).
LAROUCHE, Charles [BE/FR]; 240, rue de Mezu, F-78450 Chavenay (FR).
- (74) HARRISON, David, C. et al. / etc.; Mewburn Ellis, York House, 23 Kingsway, London WC2B 6HP (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) WO 99/19453 (13) A1
(21) PCT/US98/21420
(22) 9 Oct/oct 1998 (09.10.1998)
(25) en (26) en
(31) 60/061,878 (32) 10 Oct/oct 1997 (10.10.1997) (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ C11D 17/06, 1/00, 1/83, 11/00
- (54) ● PROCESS FOR MAKING A HIGH DENSITY GRANULAR DETERGENT COMPOSITION CONTAINING MID-CHAIN BRANCHED SURFACTANTS
● PROCEDE DE PRODUCTION D'UNE COMPOSITION DETERGENTE GRANULAIRE CONTENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE
- (71) THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) KAZUTA, Takashi [JP/JP]; 16-1-305, Furabitsuji-cho, Chuoh-ku, Kobe, Hyogo 650 (JP).
JENSEN, Michael, Chris [US/US]; 3811 Drakewood Drive, Cincinnati, OH 45209 (US).
EBIHARA, Fukuji [JP/JP]; 6-3-8, Sakuragaoka Higashimachi, Kobe, Hyogo 651-22 (JP).
TATSUNO, Teruaki [JP/JP]; 8-18-207, Higashi Terauchi-cho, Toyonaka, Osaka 650 (JP).
SHIBUYA, Yasuhiko [JP/JP]; 4-12-203, Niarihira-cho, Ashiya, Hyogo 659 (JP).
- (74) REED, T., David et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) BR CA CN CZ CZ (Utility model / modèle d'utilité) HU JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- Published / Publiée : (c)
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- (11) WO 99/19454 (13) A1
(21) PCT/US98/21421
(22) 9 Oct/oct 1998 (09.10.1998)
(25) en (26) en
(31) 60/061,876 (32) 10 Oct/oct 1997 (10.10.1997) (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ C11D 17/06, 1/00, 1/14, 1/29, 11/00
- (54) ● PROCESSES FOR MAKING A GRANULAR DETERGENT COMPOSITION CONTAINING MID-CHAIN BRANCHED SURFACTANTS
● PROCEDE DE PRODUCTION D'UNE COMPOSITION DETERGENTE GRANULAIRE CONTENANT DES TENSIOACTIFS RAMIFIES EN MILIEU DE CHAINE
- (71) THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) DODD, Malcolm, McClaren [GB/GB]; 256 Durham Road, Gateshead, Tyne & Wear NE8 4JR (GB).
ROBERTS, Nigel, Patrick, Somerville [GB/GB]; 10 Beaumont Terrace, South Gosforth NE3 1AS (GB).
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- (74) REED, T., David et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) BR CA CN CZ CZ (Utility model / modèle d'utilité) HU JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- Published / Publiée : (c)
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- (11) WO 99/19455 (13) A1
(21) PCT/US98/21476
(22) 9 Oct/oct 1998 (09.10.1998)
(25) en (26) en
(31) 60/061,877 (32) 10 Oct/oct 1997 (10.10.1997) (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ C11D 17/06, 1/00, 1/14, 1/29, 11/00
- (54) ● DETERGENT-MAKING PROCESS USING A HIGH ACTIVE SURFACTANT PASTE CONTAINING MID-CHAIN BRANCHED SURFACTANTS
● PROCEDE DE PRODUCTION DE DETERGENTS UTILISANT UNE PATE DE TENSIO-ACTIFS HAUTEMENT ACTIVE CONTENANT DES TENSIO-ACTIFS RAMIFIES EN MILIEU DE CHAINE
- (71) THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) JENSEN, Michael, Chris [US/US]; 3811 Drakewood Drive, Cincinnati, OH 45209 (US).
CULVER, Gayle, Elizabeth [US/US]; 3989 Hedgewood Drive, Lawrenceburg, IN 47025 (US).
- (74) REED, T., David et al. / etc.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).
- (81) BR CA CN CZ CZ (Utility model / modèle d'utilité) HU JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- Published / Publiée : (c)
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- (11) WO 99/19456 (13) A1
(21) PCT/US98/21670
(22) 14 Oct/oct 1998 (14.10.1998)
(25) en (26) en
(31) 08/951,091 (32) 15 Oct/oct 1997 (15.10.1997) (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ C12F 5/00, C10J 3/68, C10L 3/00, B01J 8/02, 8/08, C10B 3/12
- (54) ● STEAM REFORMER WITH INTERNAL HYDROGEN PURIFICATION
● DISPOSITIF DE REFORMAGE A LA VAPEUR AVEC PURIFICATION INTERNE DE L'HYDROGENE
- (71) NORTHWEST POWER SYSTEMS, LLC [US/US]; Suite F, 924 S.E. Wilson Avenue, Bend, OR 97702 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) EDLUND, David, J. [US/US]; 6575 N.W. Atkinson Avenue, Redmond, OR 97756 (US).
PLEDGER, William, A. [US/US]; P.O. Box 1334, Sisters, OR 97759 (US).
- (74) D'ASCENZO, David, S.; Kolisch, Hartwell, Dickinson, McCormack & Heuser, 200 Pacific Building, 520 S.W. Yamhill Street, Portland, OR 97204 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) WO 99/19457 (13) A1
(21) PCT/US98/21443
(22) 9 Oct/oct 1998 (09.10.1998)
(25) en (26) en
(31) 08/948,277 (32) 9 Oct/oct 1997 (09.10.1997) (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ C12N 1/00, 5/10, 15/11, 15/12, 15/63, C12Q 1/02, 1/68
- (54) ● REGULATORS OF UCP3 GENE EXPRESSION
● REGULATEURS DE L'EXPRESSION DU GENE UCP3
- (71) TULARIK INC. [US/US]; Two Corporate Drive, South San Francisco, CA 94080 (US).
- (72) AMARAL, M., Catherine; Tularik Inc., Two Corporate Drive, South San Francisco, CA 94080 (US).
ZHANG, Ning; Tularik Inc., Two Corporate Drive, South San Francisco, CA 94080 (US).
CHEN, Jin-Long; Tularik Inc., Two Corporate Drive, South San Francisco, CA 94080 (US).
- (74) OSMAN, Richard, Aron; Science & Technology Law Group, 75 Denise Drive, Hillsborough, CA 94010 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)

- (11) **WO 99/19458** (13) A1
 (21) PCT/SK98/00014
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) en (26) en
 (31) PV 1395-97 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SK
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 1/14, C12P 7/42, 7/62, 17/06 // (C12P 17/06, C12R 1:66) (C12P 7/42, C12R 1:66) (C12P 7/62, C12R 1:66)**
 (54) ● A METHOD OF FERMENTATION PREPARATION OF LOVASTATIN BY AN *ASPERGILLUS TERREUS* STRAIN AND THE STRAIN FOR PERFORMING THE METHOD
 ● PROCEDE DE PREPARATION PAR FERMENTATION DE LOVASTINE A L'AIDE D'UNE SOUCHE D'*ASPERGILLUS TERREUS* ET SOUCHE UTILISEE POUR METTRE EN OEUVRE LE PROCEDE
 (71) **BIOTIKA A.S.** [SK/SK]; 976 13 Slovenská Lupča (SK).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BOROŠOVÁ, Gabriela** [SK/SK]; Bernolákova 3, 974 01 Banská Bystrica (SK). **GAJDOŠÍKOVÁ, Jana** [SK/SK]; Radvanská 2, 974 01 Banská Bystrica (SK). **VAJCIKOVÁ, Adela** [SK/SK]; Podháj 47, 974 05 Banská Bystrica (SK). **VOLLEK, Valter** [SK/SK]; Kuklovská 3, 841 04 Bratislava (SK).
 (74) **DOLANSKÁ, Elena**; Radlinského 9, 812 37 Bratislava (SK).
 (81) BR CA CZ JP KR TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19459** (13) A1
 (21) PCT/US98/21703
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/949,348 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 1/20**
 (54) ● COMPETITIVE EXCLUSION CULTURE FOR SWINE
 ● CULTURE D'EXCLUSION COMPETITIVE POUR LE PORC
 (71) **THE UNITED STATES OF AMERICA, as represented by THE SECRETARY OF AGRICULTURE** [US/US]; 1400 Independence Avenue S.W., Washington, DC 20250-0302 (US).
 (72) **NISBET, David, J.**; 9467 Grassbur Road, Bryan, TX 77808 (US). **CORRIER, Donald, E.**; 4569 Sandpiper Cove, College Station, TX 77845 (US). **STANKER, Larry, H.**; 8410 Wildewood Circle, College Station, TX 77845 (US).
 (74) **PENDORF, Stephan, A.** et al. / etc.; Pendorf & Cutliff, P.O. Box 20445, Tampa, FL 33622-0445 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19460** (13) A1
 (21) PCT/US98/21772
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 08/951,924 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 1/21, 5/14, 5/16, 9/10, 15/29, 15/63, C12P 21/00**
 (54) ● GERANYL DIPHOSPHATE SYNTHASE FROM MINT (*MENTHA PIPERITA*)
 ● GERANYLE DIPHOSPHATE SYNTHASE DE MENTHE (*MENTHA PIPERITA*)
 (63) US 08/951,924 (CIP)
 16 Oct/oct 1997 (16.10.1997)
 (71) **WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION** [US/US]; 1615 N.E. Eastgate Boulevard, Pullman, WA 99164-1802 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **CROTEAU, Rodney, B.** [US/US]; 1835 N.E. Valley Road, Pullman, WA 99163 (US). **WILDUNG, Mark, R.** [US/US]; 2252 Benedict Road, Colfax, WA 99111 (US). **BURKE, Charles, C.** [US/US]; 628 N. Hayes Street, Moscow, ID 83843 (US). **GERSHENZON, Jonathan** [US/DE]; Eberstrasse 1, D-07743 Jena (DE).
 (74) **MCGURL, Barry, F.**; Christensen, O'Connor, Johnson & Kindness PLLC, Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19461** (13) A1
 (21) PCT/US98/21573
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/949,067 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 5/00, 5/06, A01N 61/00**
 (54) ● LIVER REGENERATION USING PANCREAS CELLS
 ● REGENERATION DU FOIE AU MOYEN DE CELLULES PANCREATIQUES
 (63) US 08/949,067 (CIP)
 10 Oct/oct 1997 (10.10.1997)
 (71) **OREGON HEALTH SCIENCES UNIVERSITY** [US/US]; 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **GROMPE, Markus** [DE/US]; 6545 S.W. 34th Avenue, Portland, OR 97201 (US).
 (74) **BUFFINGER, Nicholas** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19462** (13) A1
 (21) PCT/US98/21318
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 60/061,662 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 5/08, A61K 35/14, 39/00**
 (54) ● ENHANCED IMMUNOGENIC CELL POPULATIONS PREPARED USING H2 RECEPTOR ANTAGONISTS
 ● POPULATIONS RENFORCEES DE CELLULES IMMUNOGENES PREPAREES AVEC UTILISATION D'ANTAGONISTES DU RECEPTEUR H2
 (71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 12th floor, 1111 Franklin Street, Oakland, CA 94607 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **THOMPSON, James, A.** [US/US]; 6 Flinstone, Aliso Viejo, CA 92656 (US).
 (74) **SCHIFF, J., Michael** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19463** (13) A1
 (21) PCT/US98/21596
 (22) **13 Oct/oct 1998 (13.10.1998)**
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 (31) 60/061,839 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 9806037,9 (32) **20 Mar/mar 1998 (20.03.1998)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 5/12, C07K 16/00, G01N 33/53**
 (54) ● ANTICOAGULANT TEST
 ● TEST ANTICOAGULANT
 (71) **MERCK & CO., INC.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BEDNAR, Bohumil** [CZ/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **BOLLAG, Daniel, M.** [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US). **GOULD,**

- Robert, J.** [CA/US]; 126 East Lincoln Avenue, Rahway, NJ 07065 (US).
- (74) **MERCK & CO., INC.;** 126 East Lincoln Avenue, Rahway, NJ 07065 (US).
- (81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19464** (13) A1
- (21) PCT/US98/21102
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) en (26) en
- (31) 60/061,625 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 60/065,554 (32) **14 Nov/nov 1997 (14.11.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 7/02, 7/00**
- (54) ● CHROMATOGRAPHICALLY CONCENTRATED BACULOVIRUS AND METHODS
● BACULOVIRUS CONCENTRE PAR CHROMATOGRAPHIE ET PROCEDES
- (71) **BIOGEN, INC.** [US/US]; 14 Cambridge Center, Cambridge, MA 02142 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BARSOUM, James, G.** [US/US]; 6 Moreland Avenue, Lexington, MA 02173 (US).
- (74) **KAPLAN, Warren, A.;** Biogen, Inc., 14 Cambridge Center, Cambridge, MA 02142 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19465** (13) A1
- (21) PCT/US98/21550
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- (25) en (26) en
- (31) 60/061,845 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 9/02, G06F 17/50**
- (54) ● TRIHYDROXYPHTHALENE REDUCTASE: METHODS FOR THREE-DIMENSIONAL STRUCTURE DETERMINATIONS AND RATIONAL INHIBITOR DESIGN
● TRIHYDROXYPHTHALENE REDUCTASE: PROCEDES PERMETTANT LA DETERMINATION DE SA STRUCTURE TRIDIMENSIONNELLE ET LA MISE AU POINT RATIONNELLE DE SES INHIBITEURS
- (71) **E.I. DU PONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ANDERSSON, Arnold, Verner** [SE/SE]; Geijersgatan 25C, S-752 26 Uppsala (SE). **BASARAB, Gregory, Steven** [US/US]; 24 Tall Oaks Drive, Hockessin, DE 19707 (US). **JORDAN, Douglas, Brian** [US/US]; 2715 North Harrison Street, Wilmington, DE 19802 (US). **LIAO, Der-ling** [-/US]; 169 East Green Valley Circle, Newark, DE 19711 (US). **LINDQVIST, Ylva** [SE/SE]; Flotiljvaegen 8, S-175 63 Jaerfaella (SE). **SCHNEIDER, Gunter** [DE/SE]; Flotiljvaegen 8, S-175 63 Jaerfaella (SE).
- (74) **MAJARIAN, William, R.;** E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
- (81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IS JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MW MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
- (11) **WO 99/19466** (13) A2
- (21) PCT/US98/21672
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 60/061,812 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 9/12, 9/52, 15/00, 15/10, 15/62, 15/86, 5/10, A61K 48/00**
- (54) ● THYMIDINE KINASE MUTANTS AND FUSION PROTEINS HAVING THYMIDINE KINASE AND GUANYLATE KINASE ACTIVITIES
● MUTANTS ET PROTEINES DE FUSION DE THYMIDINE KINASE PRESENTANT DES ACTIVITES DE THYMIDINE KINASE ET DE GUANYLATE KINASE
- (71) **DARWIN MOLECULAR CORPORATION** [US/US]; 1621 220th Street Southeast, Bothell, WA 98021 (US).
- (72) **BLACK, Margaret, E.;** 23816 Second Avenue Southwest, Bothell, WA 98021 (US).
- (74) **McMASTERS, David, D.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19467** (13) A1
- (21) PCT/DK98/00444
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 1172/97 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DK
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 9/28, C11D 3/386**
- (54) ● α-AMYLASE MUTANTS
● MUTANTS D'α-AMYLASE
- (71) **NOVO NORDISK A/S** [DK/DK]; Novo Allé, DK-2880 Bagsvaerd (DK).
- (72) **SVENDSEN, Allan;** Novo Nordisk a/s, Novo Allé, DK-2880 Bagsvaerd (DK). **BORCHERT, Torben, Vedel;** Novo Nordisk a/s, Novo Allé, DK-2880 Bagsvaerd (DK). **BISGARD-FRANTZEN, Henrik;** Novo Nordisk a/s, Novo Allé, DK-2880 Bagsvaerd (DK).
- (74) **NOVO NORDISK A/S;** Corporate Patents, Novo Allé, DK-2880 Bagsvaerd (DK).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19468** (13) A1
- (21) PCT/US98/19852
- (22) **23 Sep/sep 1998 (23.09.1998)**
- (25) en (26) en
- (31) 08/943,687 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00, C07K 14/705**
- (54) ● MAMMALS LACKING EXPRESSION OF OSTEOCALCIN
● MAMMIFERES A CARENCE D'EXPRESSION EN OSTEOCALCINE
- (71) **AMGEN INC.** [US/US]; One Amgen Center Drive, Thousand Oaks, CA 91320-1799 (US).
- (72) **SIMONET, Scott;** 2293 Watertown Court, Thousand Oaks, CA 91360 (US). **DUNSTAN, Colin;** 887 Tupelo Wood Court, Newbury Park, CA 91320 (US). **SAROSI, Ildiko;** 587F N. Ventu Park Road #139, Newbury Park, CA 91320 (US).
- (74) **ODRE, Steven, M.** et al. / etc.; Amgen, Inc., One Amgen Center Drive, Thousand Oaks, CA 91320-1799 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19469** (13) A1
- (21) PCT/US98/21289
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,113 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00, A01K 67/027, C12N 5/06, 5/10, C07K 14/47**
- (54) ● PORCINE STEM CELLS COMPRISING A MARKER UNDER AN OCT-4 PROMOTER

- CELLULES SOUCHES PORCINES COMPRENANT UN MARQUEUR SOUS UN PROMOTEUR OCT-4
- (71) **BIOTRANSPLANT, INC.** [US/US]; Building 75, Third Avenue, Charlestown Navy Yard, Charlestown, MA 02129 (US).
- (72) **BAETSCHER, Manfred, W.**; 6900 Southeast 35th Avenue, Portland, OR 97202 (US). **AKIYOSHI, Donna, E.**; 17 Hickory Lane, Upton, MA 01568 (US). **KAPLAN, Ruth, A.**; 10 Dunvegan Road, Tewsbury, MA 01876 (US).
- (74) **MULLINS, J., G.** et al. / etc.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19470** (13) A2
- (21) PCT/US98/21444
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,276 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00**
- (54) ● GFP-ANNEXIN FUSION PROTEINS
● PROTEINES DE FUSION DE LA GFP ET DE L'ANNEXINE
- (71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 5th floor, 1111 Franklin Street, Oakland, CA 94607-5200 (US).
- (72) **ERNST, Joel, D.**; University of California, San Francisco, P.O. Box 0868, San Francisco, CA 94143-0868 (US).
- (74) **OSMAN, Richard, Aron**; Science & Technology Law Group, 75 Denise Drive, Hillsborough, CA 94010 (US).
- (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19471** (13) A1
- (21) PCT/US98/21845
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,864 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (31) 60/065,178 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US
- (31) 60/081,853 (32) **15 Apr/avr 1998 (15.04.1998)** (33) US
- (31) 09/061,417 (32) **16 Apr/avr 1998 (16.04.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00, A01K 67/027, A61K 48/00, 31/435, C07K 14/58, A61K 49/00**

- (54) ● MODELS AND TREATMENTS FOR CARDIAC HYPERTROPHY IN RELATION WITH NF-AT3 FUNCTION
● MODELES ET TRAITEMENT DE L'HYPERTROPHIE CARDIAQUE EN LIAISON AVEC LA FONCTION NF-AT3
- (63) US 60/062,864 (CON)
16 Oct/oct 1997 (16.10.1997)
US 60/065,178 (CON)
10 Nov/nov 1997 (10.11.1997)
US 60/081,853 (CON)
15 Apr/avr 1998 (15.04.1998)
US 09/061,417 (CON)
16 Apr/avr 1998 (16.04.1998)
- (71) **BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM** [US/US]; 201 West Seventh Street, Austin, Texas 78701 (US). **UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER** [US/US]; 3500 Camp Bowie Boulevard, Fort Worth, TX 76107 (US).
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- (72, 75) **OLSON, Eric, N.** [US/US]; 3700 Southwestern Boulevard, Dallas, TX 75225 (US). **GRANT, Stephen, R.** [US/US]; 7136 Quail Ridge Road, Ft. Worth, TX 76132 (US). **MOLKENTIN, Jeffrey, D.** [-/US]; 1037 Thunderbird Drive, Cincinnati, OH 45231 (US).
- (74) **MCMILLIAN, Nabeela, R.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19472** (13) A1
- (21) PCT/US98/21975
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,172 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00, A01K 67/027, C12N 15/90**
- (54) ● VECTORS COMPRISING A MAGNUM-SPECIFIC PROMOTER FOR AVIAN TRANSGENESIS
● VECTEURS COMPRENANT UN PROMOTEUR SPECIFIQUE DU TUBE ALBUMINIPARE, POUR LA TRANSGENESE AVIAIRE
- (71) **UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.** [US/US]; Boyd Graduate Studies Research Center, Athens, GA 30602-7411 (US). **AVIGENICS** [US/US]; 845 Oak Grove Avenue #220, Menlo Park, CA 92045 (US).
- (72) **IVARIE, Robert, D.**; 54 Jackson Street, Watkinsonville, GA 30677 (US). **HARVEY, Alex, J.**; 195 Freeman Drive, Athens, GA 30601 (US). **MORRIS, Julie, A.**; 54 Jackson Street, Watkinsonville, GA 30677 (US). **LIU, Guodong**; 802-3085 Queen Frederica Drive, Mississauga, Ontario L4Y 3A4 (CA).
- (74) **CHOW, Y., Ping** et al. / etc.; Heller Ehrman White & McAuliffe, 525 University Avenue, Palo Alto, CA 94301-1900 (US).

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- (11) **WO 99/19474** (13) A1
- (21) PCT/JP98/04625
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) ja (26) ja
- (31) 9/280210 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (31) 9/286414 (32) **20 Oct/oct 1997 (20.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/11, A61K 31/70, 48/00, C07H 21/04**

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19473** (13) A1
- (21) PCT/US98/21988
- (22) **16 Oct/oct 1998 (16.10.1998)**
- (25) en (26) en
- (31) 60/062,864 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (31) 60/065,178 (32) **10 Nov/nov 1997 (10.11.1997)** (33) US
- (31) 60/081,853 (32) **15 Apr/avr 1998 (15.04.1998)** (33) US
- (31) 09/061,417 (32) **16 Apr/avr 1998 (16.04.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/00, A01K 67/027, A61K 48/00, 31/435, C07K 14/58, A61K 49/00**
- (54) ● TRANSGENIC ANIMAL MODELS FOR CARDIAC HYPERTROPHY AND USES THEREOF
● MODELES D'ANIMAUX TRANSGENIQUES POUR L'HYPERTROPHIE CARDIAQUE ET UTILISATIONS DE CES MODELES
- (71) **MANTEX BIOTECH INC.** [CA/CA]; 83 Scurfield Boulevard, P.O. Box 41023-Markham, Winnipeg, Manitoba R3T 5T1 (CA).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GRANT, Stephen, R.** [US/US]; 7136 Quail Ridge Road, Ft. Worth, TX 76132 (US). **OLSON, Eric, N.** [US/US]; 3700 Southwestern, Dallas, TX 75225 (US). **MOLKENTIN, Jeffrey, D.** [US/US]; 1037 Thunderbird Drive, Cincinnati, OH 45231 (US).
- (74) **LEHNHARDT, Susan, K.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19474** (13) A1
- (21) PCT/JP98/04625
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- (31) 9/280210 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (31) 9/286414 (32) **20 Oct/oct 1997 (20.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12N 15/11, A61K 31/70, 48/00, C07H 21/04**

- (54) ● MODIFIED OLIGODEOXYRIBONUCLEOTIDES HAVING TGGG SEQUENCE
● OLIGODEOXYRIBONUCLEOTIDES MODIFIES COMPORTANT LA SEQUENCE TGGG
- (71) **SANKYO COMPANY, LIMITED** [JP/JP]; 5-1, Nihonbashi Honcho 3-chome, Chuo-ku, Tokyo 103-8426 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KOIZUMI, Makoto** [JP/JP]; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP). **KANEKO, Masakatsu** [JP/JP]; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP). **OHMINE, Toshinori** [JP/JP]; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP). **FURUKAWA, Hidehiko** [JP/JP]; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP). **NISHIGAKI, Takashi** [JP/JP]; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP).
- (74) **OHNO, Akio** et al. / etc.; Sankyo Company, Limited, 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP).
- (81) AU BR CA CN CZ HU ID IL KR MX NO NZ PL RU TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19475** (13) A2
(21) PCT/CA98/00951
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 2,212,985 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CA
(31) 2,229,440 (32) **21 Apr/avr 1998 (21.04.1998)** (33) CA
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, 15/62, 15/73, 15/86, 5/10, C07K 14/47, 16/18, C12Q 1/68, G01N 33/567, A61K 38/17**
(54) ● MAMMALIAN MESODERM INDUCTION EARLY RESPONSE (M-MIER) GENE FAMILY
● FAMILLE DE GENES DE REPONSE PRECOCE D'INDUCTION MESODERMIQUE (M-MIER) MAMMALIENS
- (71, 72) **GILLESPIE, Laura, Lee** [CA/CA]; Box 51110, S.S. #3, St. John's, Newfoundland A1B 4M2 (CA). **PATERNNO, Gary, David** [CA/CA]; Box 51110, S.S. #3, St. John's, Newfoundland A1B 4M2 (CA).
- (74) **MBM & CO.**; Station B, P.O. Box 809, Ottawa, Ontario K1P 5P9 (CA).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19476** (13) A2
(21) PCT/CA98/00958
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 2,212,991 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CA
- (31) 2,225,180 (32) **6 Mar/mar 1998 (06.03.1998)** (33) CA
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, C07K 14/47, 14/46, C12Q 1/68, C12N 15/11, C07K 16/18, A61K 38/18, G01N 33/566**
(54) ● NON-MAMMALIAN MESODERM INDUCTION EARLY RESPONSE (nm-MIER) GENE FAMILY
● FAMILLE DE GENES NON MAMMIFERES A REACTION PRECOCE IMMEDIATE A L'INDUCTION MESODERMIQUE (NM-MIER)
- (71, 72) **GILLESPIE, Laura, Lee** [CA/CA]; Box 51110, S.S. #3, St. John's, Newfoundland A1B 4M2 (CA). **PATERNNO, Gary, David** [CA/CA]; Box 51110, S.S. #3, St. John's, Newfoundland A1B 4M2 (CA).
- (74) **MBM & CO.**; P.O. Box 809, Station B, Ottawa, Ontario K1P 5P9 (CA).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19477** (13) A1
(21) PCT/EP98/06547
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) de (26) de
(31) 197 45 284.1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(31) 198 13 088.0 (32) **25 Mar/mar 1998 (25.03.1998)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, C07K 14/475, 16/22**
(54) ● CADHERIN DERIVED GROWTH FACTOR AND THE APPLICATION THEREOF
● FACTEUR DE CROISSANCE DERIVE DE LA CADHERINE ET SON UTILISATION
- (71, 72) **FORSSMANN, Wolf-Georg** [DE/DE]; Feodor-Lynen-Strasse 31, D-30625 Hannover (DE).
- (72, 75) **STÄNDKER, Ludger** [DE/DE]; Dohmeyers Weg 25, D-30625 Hannover (DE). **MEYER, Markus** [DE/DE]; Heidering 38 a, D-30625 Hannover (DE). **MOSTAFAVI, Hossein** [-/DE]; Fraunhoferstrasse 8, D-30163 Hannover (DE). **OPITZ, Hans-Georg** [DE/DE]; Netzal 46, D-69469 Weinheim (DE). **KLING, Lothar** [DE/DE]; Neckarpromenade 34, D-68167 Mannheim (DE).
- (74) **MEYERS, Hans-Wilhelm** et al. / etc.; Postfach 10 22 41, D-50462 Köln (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19478** (13) A1
(21) PCT/US98/19794
(22) **22 Sep/sep 1998 (22.09.1998)**
(25) en (26) en
(31) 60/061,589 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, C07K 14/705, A61K 38/17, 47/00, 35/14, 48/00**
(54) ● AGONIST AND ANTAGONIST PEPTIDES OF CARCINOEMBRYONIC ANTIGEN (CEA)
● PEPTIDES AGONISTES ET ANTAGONISTES DE L'ANTIGENE CARCINOEMBRYONNAIRE (CEA)
- (63) US 60/061,589 (CON)
10 Oct/oct 1997 (10.10.1997)
- (71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; Office of Technology Transfer, National Institutes of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SCHLOM, Jeffrey** [US/US]; 10301 Sorrel Avenue, Potomac, MD 20854 (US). **BARZAGA, Elene** [US/US]; 512 Rutgers Street, Rockville, MD 20850 (US). **ZAREMBA, Sam** [US/US]; 243 Rollins Avenue #102, Rockville, MD 20852 (US).
- (74) **FEILER, William, S.** et al. / etc.; Morgan & Finnegan, L.L.P., 345 Park Avenue, New York, NY 10154 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/19479** (13) A1
(21) PCT/US98/20119
(22) **25 Sep/sep 1998 (25.09.1998)**
(25) en (26) en
(31) 08/939,026 (32) **26 Sep/sep 1997 (26.09.1997)** (33) US
(31) 09/078,207 (32) **13 May/mai 1998 (13.05.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, 5/08, A01K 67/027, C07K 16/30, A61K 39/395, 48/00**
(54) ● MURINE MODEL FOR HUMAN CARCINOMA
● MODELE MURIN ASSOCIE A UN CARCINOME HUMAIN
- (71) **CORIXA CORPORATION** [US/US]; Suite 200, 1124 Columbia Street, Seattle, WA 98104 (US).
- (72) **SUBJECT, Elizabeth, Repasky**; 66 Frankhauser Road, Williamsville, NY 14221 (US). **BUMPERS, Harvey**; 1913 Kanawha Drive, Stone Mountain, GA 30087 (US). **SECRETIST, Heather**; Apartment #3, 2207-12th Avenue West, Seattle, WA 98119 (US).
- (74) **MAKI, David, J.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19480** (13) A2
(21) PCT/US98/20939
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/951,829 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(31) 08/971,635 (32) **17 Nov/nov 1997 (17.11.1997)** (33) US
(31) 60/078,008 (32) **12 Mar/mar 1998 (12.03.1998)** (33) US
(31) 09/040,714 (32) **18 Mar/mar 1998 (18.03.1998)** (33) US
(31) 60/081,883 (32) **15 Apr/avr 1998 (15.04.1998)** (33) US
(31) 60/095,987 (32) **10 Aug/août 1998 (10.08.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, 15/62, 5/10, C07K 14/715, 16/28, C12Q 1/68, A61K 38/17, G01N 33/577, 33/68**
(54) ● HUMAN RECEPTOR PROTEINS; RELATED REAGENTS AND METHODS
● PROTEINES RECEPTRICES HUMAINES ET REACTIFS ET METHODES ASSOCIEES
(63) US Not furnished / non communiqué (CIP)
Not furnished / non communiquée
- (71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).
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- (72, 75) **TIMANS, Jacqueline, C.** [GB/US]; 1538 Canna Court, Mountain View, CA 94043 (US). **DEBETS, Johannes, Eduard, Maria, Antonius** [NL/US]; 842-C North Rengstorff Avenue, Mountain View, CA 94043 (US). **SANA, Theodore, R.** [IR/US]; 1919 Manhattan Avenue #4, East Palo Alto, CA 94303 (US). **BAZAN, J., Fernando** [US/US]; 775 University Drive, Menlo Park, CA 94025 (US). **KASTELEIN, Robert, A.** [NL/US]; 463 Summit Drive, Redwood City, CA 94062 (US).
- (74) **FOULKE, Cynthia, L.** et al. / etc.; Schering-Plough Corporation, Patent Dept., K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).
- (81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL IS JP KE KR KZ LC LK LR LT LV MD MG MK MN MW MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19481** (13) A2
(21) PCT/US98/21276
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 60/062,021 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, 15/11, 15/10, C07K 14/47, C12Q 1/68, G01N 33/50, 33/574**
(54) ● MAMMALIAN GENES INVOLVED IN VIRAL INFECTION AND TUMOR SUPPRESSION
(63) US Not furnished / non communiqué (CIP)
Not furnished / non communiquée
- (71) **GENES MAMMALIENS INTERVENANT DANS L'INFECTION VIRALE ET LA NEUTRALISATION TUMORALE**
(71) **VANDERBILT UNIVERSITY** [US/US]; 305 Kirkland Hall, Nashville, TN 37240 (US).
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- (72, 75) **RUBIN, Donald, H.** [US/US]; 1937 Edenbridge Way, Nashville, TN 37215 (US). **ORGAN, Edward, L.** [US/US]; 2505 Essex Place, Nashville, TN 37202 (US). **DUBOIS, Raymond, N.** [US/US]; 281 St. Andrew Drive, Franklin, TN 37064 (US).
- (74) **KIMPEL, Janice, A.** et al. / etc.; Needle & Rosenberg, P.C., 127 Peachtree Street, N.E., Atlanta, GA 30303 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19482** (13) A2
(21) PCT/US98/21314
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/948,616 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, C07K 14/705, 14/47, A61K 38/17, C12Q 1/68, C07K 16/28, 16/18**
(54) ● VESICLE TRANSPORT ASSOCIATED PROTEINS
● PROTEINES ASSOCIEES AU TRANSPORT DES VESICULES
(63) US 08/948,616 (CIP)
10 Oct/oct 1997 (10.10.1997)
- (71) **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HILLMAN, Jennifer, L.** [US/US]; 230 Monroe Drive #12, Mountain View, CA 94040 (US). **LAL, Preeti** [IN/US]; 2382 Lass Drive, Santa Clara, CA 95054 (US). **SHAH, Purvi** [IN/US]; 1608 Queen Charlotte Drive #5, Sunnyvale, CA 94087 (US). **CORLEY, Neil, C.** [US/US]; 1240 Dale Avenue #30, Mountain View, CA 94040 (US).
- (74) **BILLINGS, Lucy, J.** et al. / etc.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19483** (13) A1
(21) PCT/US98/21402
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/948,197 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, 5/10, 1/21, C07K 14/47, 16/18, C12Q 1/68, G01N 33/50, A61K 38/17**
(54) ● HUMAN PROGESTERONE RECEPTOR COMPLEX P23-LIKE PROTEIN
● PROTEINE DE TYPE P23 DE COMPLEXE DE RECEPTEUR DE PROGESTERONE HUMAIN
(63) US 08/948,197 (CIP)
9 Oct/oct 1997 (09.10.1997)
- (71) **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **YUE, Henry** [US/US]; 826 Lois Avenue, Sunnyvale, CA 94087 (US). **CORLEY, Neil, C.** [US/US]; 1240 Dale Avenue #30, Mountain View, CA 94040 (US). **SHAH, Purvi** [IN/US]; 1608 Queen Charlotte Drive #5, Sunnyvale, CA 94087 (US).
- (74) **BILLINGS, Lucy, J.** et al. / etc.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19484** (13) A1
(21) PCT/US98/21559
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/949,014 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/12, C07K 14/705, G01N 33/53, 33/68, C12Q 1/68, A61K 31/70, C07K 16/28, A01K 67/027**
(54) ● T CELL RECEPTOR-ASSOCIATED MOLECULES (TRAMS) AND METHODS OF USE THEREFOR
● MOLECULES ASSOCIEES AU RECEPTEUR DES LYMPHOCYTES T (TRAM) ET LEUR MODE D'UTILISATION
(63) US 08/949,014 (CIP)
10 Oct/oct 1997 (10.10.1997)
- (71) **BASF AKTIENGESSELLSCHAFT** [US/US]; c/o BASF Bioresearch Corp., 100 Research Drive, Worcester, MA 01605-4314 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (71, 72) **SCHRAVEN, Burkhart** [DE/DE]; Nadlers-trasse 5, D-68526 Ladenburg (DE). **BRUYNS, Eddy** [NL/DE]; Bollgrubenweg 7, D-69198 Schriesheim (DE). **MARIE-CARDINE, Anne** [FR/FR]; 19, boulevard Jean Mermoz, F-22700 Perros-Guirec (FR). **KIRCHGESSNER, Henning** [DE/DE]; Langgasse 14, D-69207 Sandhausen (DE). **SHEVCHENKO, Andrej** [DE/DE]; Has-selnussweg 3, D-69126 Heidelberg (DE). **MANN, Matthias** [DE/DE]; Im Eichwald 2A, D-69126 Heidelberg (DE). **MEUER, Stefan** [DE/DE]; Posseltstrasse 8, D-69120 Heidelberg (DE).

- (74) **KARA, Catherine, J.** et al. / etc.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19485** (13) A1
 (21) PCT/US98/21671
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/062,969 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 15/12, 15/85, A61K 48/00 // C07K 14/575**
 (54) ● THYMOSIN β 15 PROMOTER AND USE THEREOF
 ● PROMOTEUR DE LA THYMOSINE β 15 ET SON UTILISATION
 (71) **CHILDREN'S MEDICAL CENTER CORPORATION** [US/US]; 320 Longwood Avenue, Boston, MA 02115 (US).
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 (72, 75) **ZETTER, Bruce, R.** [US/US]; 120 Eliot Avenue, West Newton, MA 02165 (US). **BAO, Lere** [US/US]; 1878 Beacon Street #3, Brookline, MA 02146 (US).
 (74) **RESNICK, David, S.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109 (US).
 (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19486** (13) A1
 (21) PCT/US98/21728
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/951,148 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 15/12, C07K 14/47, A61K 38/17, C07K 16/18, G01N 33/566, C12Q 1/68**
 (54) ● CELL DIVISION REGULATORS
 ● REGULATEURS DE LA DIVISION CELLULAIRE
 (63) US 08/951,148 (CIP)
 15 Oct/oct 1997 (15.10.1997)
 (71) **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).
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 (72, 75) **HILLMAN, Jennifer, L.** [US/US]; 230 Monroe Drive #12, Mountain View, CA 94040 (US). **BANDMAN, Olga** [US/US]; 366 Anna Avenue, Mountain View, CA 94043 (US). **LAL, Preeti** [IN/US]; 2382 Lass Drive, Santa Clara, CA 95054 (US). **SHAH, Purvi** [IN/US]; 1608 Queen Charlotte Drive #5, Sunnyvale, CA 94087 (US). **CORLEY, Neil, C.** [-/US]; 1240 Dale Avenue #30, Mountain View, CA 94040 (US).

- (74) **BILLINGS, Lucy, J.** et al. / etc.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19487** (13) A1
 (21) PCT/US98/21729
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/951,750 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 15/12, C07K 14/47, A61K 38/17, G01N 33/53, C12Q 1/68, C12N 15/11, A61K 31/70, C07K 16/18, A61K 39/395**
 (54) ● MAMMOGLOBIN HOMOLOG
 ● HOMOLOGUE DE LA MAMMOGLOBINE
 (63) US 08/951,750 (CIP)
 16 Oct/oct 1997 (16.10.1997)
 (71) **INCYTE PHARMACEUTICALS, INC.** [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **HILLMAN, Jennifer, L.** [US/US]; 230 Monroe Drive #12, Mountain View, CA 94040 (US). **SHAH, Purvi** [IN/US]; 1608 Queen Charlotte Drive #5, Sunnyvale, CA 94087 (US). **MURRY, Lynn, E.** [US/US]; 1124 Los Trancos Road, Portola Valley, CA 94028 (US).
 (74) **BILLINGS, Lucy, J.** et al. / etc.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19488** (13) A1
 (21) PCT/US98/21828
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 60/062,373 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 15/12, C07K 14/71, 16/28, C12N 5/10, C12Q 1/68, G01N 33/68, A61K 38/17, 47/48**
 (54) ● NOVEL HUMAN EGF RECEPTORS AND USE THEREOF
 ● NOUVEAUX RECEPTEURS HUMAINS DE L'EGF ET LEUR UTILISATION

- (71) **CHILDREN'S MEDICAL CENTER CORPORATION** [-/US]; 320 Longwood Avenue, Boston, MA 02115 (US).
- (72) **KLASBRUN, Michael**; 22 Berwick Road, Newton, MA (US). **ELENIUS, Klaus**; Apartment B803, 20 Chapel Street, Brookline, MA 02146 (US). **CORFAS, Gabriel**; 52 Thornton Road, Chestnut Hill, MA 02167 (US).
- (74) **RESNICK, David, S.** et al. / etc.; Dike, Bronstein, Roberts & Cushman, LLP, 130 Water Street, Boston, MA 02109 (US).
- (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19489** (13) A1
 (21) PCT/US98/21971
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/062,858 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (31) 60/062,241 (32) **17 Oct/oct 1997 (17.10.1997)** (33) US
 (31) 60/068,953 (32) **30 Dec/déc 1997 (30.12.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C12N 15/12, C07K 14/47, 14/705, C12N 15/62, C07K 16/28, G01N 33/50, C12Q 1/68, A61K 38/17**
 (54) ● MYOSIN IXa AND CYCLIC NUCLEOTIDE GATED CHANNEL-15 (CNGC-15) POLYNUCLEOTIDES, POLYPEPTIDES, COMPOSITIONS, METHODS AND USES THEREOF
 ● POLYNUCLEOTIDES, POLYPEPTIDES ET COMPOSITIONS DE LA PROTEINE MYOSINE IXa ET DE LA PROTEINE DE CANAL 15 A PORTE NUCLEOTIDIQUE CYCLIQUE (CNGC-15), ET PROCÉDES ET UTILISATIONS CORRESPONDANTS
 (71) **CHIRON CORPORATION** [US/US]; Intellectual Property, R440, 4560 Horton Street, P.O. Box 8097, Emeryville, CA 94608-2916 (US).
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 (74) **SPRUIELL, W. Murray** et al. / etc.; Chiron Corporation, Intellectual Property, R440, 4560 Horton Street, P.O. Box 8097, Emeryville, CA 94608-2916 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 60/062,037 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 60/069,862 (32) **17 Dec/déc 1997 (17.12.1997)** (33) US

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(51)⁶ **C12N 15/19, C07K 14/705, C12N 15/62, C07K 16/24, A61K 38/19**

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● LIGAND APO-3

(71) **GENENTECH, INC.** [US/US]; 1 DNA Way, South San Francisco, CA 94080 (US).

(72) **ASHKENAZI, Avi, J.**; 1456 Tarrytown Street, San Mateo, CA 94402 (US). **MARSTERS, Scot, A.**; 990 Cherry Street, San Carlos, CA 94070 (US). **PITTI, Robert**; 1110 Liberty Street, El Cerrito, CA 94530 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/950,238 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

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(51)⁶ **C12N 15/24, 15/19, C07K 14/54, 14/52, C12N 15/62, C07K 16/24, A61K 38/20, 38/19, C12Q 1/68, G01N 33/68, C12N 1/21**

(54) ● HUMAN DNAX INTERLEUKIN-40 (DIL-40)

● INTERLEUKINE-40 ADN X HUMAINE (DIL-40)

(71) **SCHERING CORPORATION** [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).

(72) **BAZAN, J., Fernando**; 775 University Drive, Menlo Park, CA 94025 (US). **KASTELEIN, Robert, A.**; 463 Summit Drive, Redwood City, CA 94062 (US).

(74) **THAMPOE, Immac, J.** et al. / etc.; Scheering-Plough Corporation, Patent Dept., K-6-1, 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CZ EE GD GE HR HU ID IL IS JP KE KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/EP98/06977

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(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12N 15/29, C07K 14/415, C12N 5/04, 5/14, A01H 5/00, C12N 15/10, 15/82**

(54) ● METHODS FOR OBTAINING PLANT VARIETIES
● PROCEDES POUR OBTENIR DES VARIETES DE PLANTES

(71) **RHONE-POULENC AGRO** [FR/FR]; 14/20, rue Pierre Baizet, F-69009 Lyon (FR).
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(74) **GENIN, Patrick**; Rhône-Poulenc Agro, DPI, 14/20, rue Pierre Baizet, F-69009 Lyon (FR).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/948,564 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12N 15/53, 15/82, 9/02, 5/00, A01H 5/00, 5/10**

(54) ● CYTOCHROME P-450 CONSTRUCTS AND METHODS OF PRODUCING HERBICIDE-RESISTANT TRANSGENIC PLANTS

● PRODUITS DE RECOMBINAISON CYTOCHROME P-450 ET PROCEDES DE PRODUCTION DE PLANTES TRANSGENIQUES RESISTANTES AUX HERBICIDES

(71) **NORTH CAROLINA STATE UNIVERSITY** [US/US]; 103 Bynum Hall, CB #7003, Raleigh, NC 27695-7003 (US).

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(74) **BENNETT, Virginia, C.** et al. / etc.; Myers, Bigel, Sibley & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/US98/21545

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(31) 08/950,866 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12N 15/55, 9/22, A61K 38/46**

(54) ● HUMAN RIBONUCLEASE A WITH REDUCED RIBONUCLEASE INHIBITOR AFFINITY

● RIBONUCLEASE A HUMAINE AYANT UNE AFFINITE REDUITE POUR L'INHIBITEUR DE LA RIBONUCLEASE

(71) **WISCONSIN ALUMNI RESEARCH FOUNDATION** [US/US]; 614 Walnut Street, Madison, WI 53705 (US).

(72) **RAINES, Ronald, T.**; 2320 Lakeland Avenue, Madison, WI 53704 (US). **LELAND, Peter, A.**; 4849 Sheboygan Avenue #321, Madison, WI 53705 (US). **SCHULTZ, L., Wayne**; Apartment 1, 2152 Allen Boulevard, Middleton, WI 53562 (US).

(74) **BAKER, Jean, C.**; Quarles & Brady, 411 East Wisconsin Avenue, Milwaukee, WI 53202-4497 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/951,648 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/55, 9/16, 15/11, C07K 16/40, 16/42, G01N 33/68, C12Q 1/68**
(54) ● PHOSPHODIESTERASE 8A
● PHOSPHODIESTERASE 8A
(71) **ICOS CORPORATION** [US/US]; 22021 20th Avenue, S.E., Bothell, WA 98021 (US).
(72) **LOUGHNEY, Kate**; 7301 34th Avenue N.E., Seattle, WA 98115 (US).
(74) **WILLIAMS, Joseph, A., Jr.**; Marshall, O'Toole, Gerstien, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606-6402 (US).
(81) AU BR CA CN CZ HU IL JP MX NO PL RU SK; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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(51)⁶ **C12N 15/82, 5/04, A01H 5/00**
(54) ● TRANSGENIC LEMNACEAE
● LEMNACEAE TRANSGENIQUES
(71) **YEDA RESEARCH AND DEVELOPMENT CO. LTD.** [IL/IL]; Weizmann Institute of Science, P.O. Box 95, 76100 Rehovot (IL).
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(72, 75) **EDELMAN, Meir** [IL/IL]; Pinsker Street 20, 76308 Rehovot (IL). **PERL, Avihai** [IL/IL]; Drubin Street 2, 75231 Rishon Le Zion (IL). **FLAISH-MAN, Moshe** [IL/IL]; Pichman Street 7, Ramat-Aviv, 69027 Tel Aviv (IL). **BLUMENTHAL, Amnon** [IL/IL]; Kovshei Ha'hermon Street 21/3, 76555 Rehovot (IL).
(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
- (25) en (26) en
(31) 08/951,994 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/82, 5/04, A01H 4/00, 5/00, 5/10**
(54) ● TRANSGENIC PLANTS AND METHOD FOR NODE SEGMENT TRANSFORMATION
● PLANTES TRANSGENIQUES ET PROCEDE DE TRANSFORMATION DE SEGMENTS NODAUX
(71) **OMS INVESTMENTS, INC.** [US/US]; Suite 1300, 1105 N. Market Street, Wilmington, DE 19899-8985 (US).
(72) **LEE, Lisa**; 435 Damascus Road, Marysville, OH 43040 (US). **BERG, John, Bradley**; 2176 Sibby Lane, Columbus, OH 43235 (US).
(74) **RADEN, James, B.** et al. / etc.; Jones, Day, Reavis & Pogue, 77 West Wacker Drive, Chicago, IL 60601-1692 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 60/061,984 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/63, 15/85, A61K 48/00**
(54) ● INHIBITION OF HUMAN IMMUNODEFICIENCY VIRUS (HIV-1) REPLICATION
● INHIBITION DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE (VIH-1)
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(74) **MONACO, Daniel, A.**; Seidel, Gonda, Lavorgna & Monaco, P.C., Suite 1800, Two Penn Center Plaza, Philadelphia, PA 19102 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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(51)⁶ **C12N 15/82, 5/04, A01H 5/00**
(54) ● TRANSGENIC LEMNACEAE
● LEMNACEAE TRANSGENIQUE
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(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/86, A61K 48/00**
(54) ● COMPLEX OF BIOTINYLATED VIRAL VECTOR AND LIGAND FOR TARGETED GENE DELIVERY
● COMPLEXE DE VECTEUR VIRAL ET DE LIGAND BIOTINYLES POUR UNE FOURNITURE DE GENES CIBLEE
(63) US 60/061,587 (CIP)
10 Oct/oct 1997 (10.10.1997)
(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; National Institutes of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852-3804 (US).
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(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/86, A61K 48/00**
(54) ● COMPLEX OF BIOTINYLATED VIRAL VECTOR AND LIGAND FOR TARGETED GENE DELIVERY
● COMPLEXE DE VECTEUR VIRAL ET DE LIGAND BIOTINYLES POUR UNE FOURNITURE DE GENES CIBLEE
(63) US 60/061,587 (CIP)
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(71) **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** [US/US]; National Institutes of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852-3804 (US).
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(74) **SPRATT, Gwendolyn, D.** et al. / etc.; Needle & Rosenberg, P.C., 127 Peachtree Street, N.E., Atlanta, GA 30303 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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(31) 08/951,994 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C12N 15/82, 5/04, A01H 5/00**
(54) ● TRANSGENIC LEMNACEAE
● LEMNACEAE TRANSGENIQUES
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(74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19501** (13) A1
 (21) PCT/US98/21739
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/061,894 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12N 15/86, 15/49, C07K 14/155, 14/16, C12N 7/01, A61K 48/00**

- (54) ● NON-INTEGRATING DNA VECTOR OF RETROVIRAL ORIGIN HAVING HIGH-PROTEIN EXPRESSION, AND SECRETED IMMUNOGENIC ANTIGENS
 ● VECTEUR D'ORIGINE RETROVIRALE D'ADN NON INTEGRANT A FORTE EXPRESSION DE PROTEINES ET ANTIGENES IMMUNOGENES SECRETES

(71) **INSTITUTE FOR VACCINE DEVELOPMENT** [US/US]; 61 Moulton Street, Cambridge, MA 02138 (US). **AVANT IMMUNOTHERAPEUTICS, INC.** [US/US]; 119 Fourth Avenue, Needham, MA 02494-2725 (US).
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(72, 75) **LÜ, Yichen** [US/US]; 15 South Woodside Avenue, Wellesley, MA 02181 (US). **TOUZJIAN, Neal** [US/US]; 61 Moulton Street, Cambridge, MA 02138 (US). **AUEWARAKUL, Prasert** [TH/TH]; Mahidol University, Bangkok (TH). **BHARMARA-PRAWATI, Nath** [TH/TH]; Mahidol University, Bangkok (TH).

(74) **EISENSTEIN, Ronald, I.**; Peabody & Brown, 101 Federal Street, Boston, MA 02110 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19502** (13) A1
 (21) PCT/EP98/06273
 (22) **2 Oct/oct 1998 (02.10.1998)**

(25) en (26) en
 (31) 97117574.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP
 (31) 97119050.9 (32) **3 Nov/nov 1997 (03.11.1997)** (33) EP

(31) 98111001.8 (32) **16 Jun/juin 1998 (16.06.1998)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12N 15/87, A61K 48/00, 38/17**

- (54) ● TRANSFECTION SYSTEM FOR THE TRANSFER OF NUCLEIC ACIDS INTO CELLS
 ● SYSTEME DE TRANSFECTION POUR TRANSFERER DES ACIDES NUCLEIQUES DANS DES CELLULES

(71) **HOECHST MARION ROUSSEL DEUTSCHLAND GMBH** [DE/DE]; Brüningstrasse 50, D-65929 Frankfurt am Main (DE).
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(72, 75) **CHANDRA, Prakash** [DE/DE]; Breitlacher Strasse 45a, D-60489 Frankfurt (DE). **CHANDRA, Angelika** [DE/DE]; Breitlacher Strasse 45a, D-60489 Frankfurt (DE). **DEMIRHAN, Ilhan**

[TR/DE]; Bielefelder Strasse 63, D-65931 Frankfurt (DE). **HASSELMAYER, Oliver** [DE/DE]; Kaiser Strasse 55, D-63065 Offenbach (DE).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19503** (13) A1

(21) PCT/US98/21542

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/949,420 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12P 7/56, C12N 1/20**

- (54) ● LOW PH LACTIC ACID FERMENTATION
 ● FERMENTATION DE L'ACIDE LACTIQUE A pH BAS

(63) US 08/949,420 (CON)
 14 Oct/oct 1997 (14.10.1997)

(71) **CARGILL, INCORPORATED** [US/US]; 15407 McGinty Road, P.O. Box 5624, Minneapolis, MN 55391-2399 (US).
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(72, 75) **CARLSON, Ting, Liu** [US/US]; 9764 Country Creek Way, Dayton, OH 45458 (US). **PETERS, Eugene, Max, Jr.** [US/US]; 4262 Amston Drive, Dayton, OH 45424 (US).

(74) **DAIGNAULT, Ronald, A.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Northwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19504** (13) A1

(21) PCT/US98/21525

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,654 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12P 19/04, C07H 3/06 // (C12P 19/04, C12R 1:32)**

- (54) ● METHOD FOR ISOLATING HIGH MOLECULAR WEIGHT ANTINEOPLASTIC GLYCANS
 ● TECHNIQUE PERMETTANT D'ISOLER DES GLYCANES ANTINEOPLASTIQUES DE POIDS MOLECULAIRE ELEVE

(71) **UNIVERSITY OF ILLINOIS** [US/US]; 352 Henry Administration Building, 201 S. Wright Street, Urbana, IL 61801 (US).

(71, 72) **GROVES, Michael** [US/US]; 980C Ivy Lane, Deerfield, IL 60015 (US).

(74) **HUGHES, A., Blair**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19505** (13) A1

(21) PCT/US98/21361

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,681 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 60/098,271 (32) **28 Aug/août 1998 (28.08.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12P 19/14, 19/04, A61K 31/715, C08B 37/00**

- (54) ● PROCESS FOR THE PREPARATION OF IMMUNOMODULATORY POLYSACCHARIDES FROM ALOE
 ● PROCEDE DE PREPARATION DE POLY-SACCHARIDES IMMUNOMODULATEURS A PARTIR D'ALOE

(71) **UNIVERA PHARMACEUTICALS, INC.** [US/US]; Suite 160, 100 Technology Drive, Broomfield, CO 80021 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **QIU, Zhihau** [CN/US]; 5840 West 112th Place, Westminster, CO 80021 (US). **MAHIOU, Belaid** [US/US]; 13493 Quivas Street, Westminster, CO 80234 (US).

(74) **SWANSON, Barry, J.** et al. / etc.; Swanson & Bratschun, L.L.C., Suite 200, 8400 East Prentice Avenue, Englewood, CO 80111 (US).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19506** (13) A2

(21) PCT/US98/21390

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,187 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 60/112,011 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q**

- (54) ● METHOD FOR IDENTIFYING OPTIMAL BINDING LIGANDS TO A RECEPTOR
 ● METHODE D'IDENTIFICATION DE LIGANDS A LAISON OPTIMALE AVEC UN RECEPTEUR

(71) **IXSYS, INCORPORATED** [US/US]; 3520 Dunhill Street, San Diego, CA 92121 (US).

(72) **HUSE, William, D.**; 471 Avenida Primavera, Del Mar, CA 92014 (US). **FREEDMAN, Michael, H.**; 2178 Pinar Place, Del Mar, CA 92014-3348 (US).

- (74) **GAY, David, A.** et al. / etc.; Campbell and Flores LLP, Suite 700, 4370 The Jolla Village Drive, San Diego, CA 92122 (US).
- (81) AU CA JP NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19507** (13) A1

(21) PCT/US98/21815

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/061,982 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/00, G01N 27/30, 27/327**

- (54) ● **BIOSENSOR ELECTRODE MEDIATORS FOR REGENERATION OF COFACTORS**
● **MEDIATEURS D'ELECTRODES DE BIO-CAPTEUR POUR LA REGENERATION DE COFACTEURS**

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FORROW, Nigel, J.** [GB/GB]; 6 Grundy Close, Abingdon, Oxon OX14 3SD (GB). **SANGHERA, Gurdial, S.** [GB/US]; 4A Crosby Drive, Bedford, MA 01730 (US). **WATKIN, Jared, L.** [GB/GB]; 11 Kysbie Place, Abingdon, Oxfordshire OX14 1XZ (GB). **WALTERS, Stephen** [GB/GB]; Flat 4, Stanmore Road, Edgebaston, Birmingham B16 9TB (GB).

(74) **POPE, Lawrence, S.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19508** (13) A1

(21) PCT/MX98/00021

(22) **25 May/mai 1998 (25.05.1998)**

(25) es (26) es

(31) 977954 (32) **13 Oct/oct 1997 (13.10.1997)** (33) MX

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/18**

- (54) ● **SUSCEPTIBILITY TEST FOR MYCOLIC ACID CONTAINING MICROORGANISMS**
● **TEST DE SUSCEPTIBILITE POUR MICRO-ORGANISMES RENFERMANT DES ACIDES MYCOLIQUES**

(71) **UNIVERSIDAD AUTONOMA DE NUEVO LEON** [MX/MX]; Torre de Rectoría 4to. Piso, Depto. Jurídico, Cd. Universitaria, San Nicolas de los Garza, Nuevo León 66451 (MX).
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(72, 75) **VIADER SALVADO, José María** [ES/MX]; Plaza Mariscal No. 30, Colonia Cd. Satélite, Monterrey, Nuevo León 64960 (MX). **GARZA GONZALEZ, Elvira** [MX/MX]; Luis Pinzon

#1505, Colonia Florida, Monterrey, Nuevo León 64810 (MX). **GUERRERO OLAZARAN, Martha** [MX/MX]; Plaza Mariscal No. 30, Colonia Cd. Satélite, Monterrey, Nuevo León 64960 (MX). **TIJERINA MENCHACA, Rolando** [MX/MX]; Poza Rica #700, Colonia Mitras Norte, Monterrey, Nuevo León 64320 (MX).

(74) **CHAPA LEAL, José Guadalupe**; Torre de Rectoría 4º Piso, Depto. Jurídico, Ciudad Universitaria, San Nicolas de los Garza, Nuevo León 66451 (MX).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19509** (13) A2

(21) PCT/CA98/00950

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,717 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/68**

- (54) ● **METHOD AND KIT FOR AMPLIFICATION, SEQUENCING AND TYPING OF CLASSICAL HLA CLASS I GENES**
● **PROCEDE ET TROUSSE D'AMPLIFICATION, DE SEQUENCAGE ET DE TYPAGE DE GENES HLA DE CLASSE I CLASSIQUES**

(63) US 08/948,717 (CIP)
10 Oct/oct 1997 (10.10.1997)

(71) **VISIBLE GENETICS INC.** [CA/CA]; 700 Bay Street, Box 333, Toronto, Ontario M5G 1Z6 (CA).
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(72, 75) **GAREY, Caroline, Elizabeth** [CA/CA]; 97 Grenadier Road, Toronto, Ontario M6R 1R1 (CA). **LEUSHNER, James** [CA/CA]; 84 Sylvan Valley Way, North York, Ontario M5M 4M3 (CA).

(74) **DEETH WILLIAMS WALL**; National Bank Building, Suite 400, 150 York Street, Toronto, Ontario M5H 3S5 (CA).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19510** (13) A1

(21) PCT/US98/16686

(22) **11 Aug/août 1998 (11.08.1998)**

(25) en (26) en

(31) 60/061,604 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/68**

- (54) ● **SURFACE-BOUND, DOUBLE-STRANDED DNA PROTEIN ARRAYS**
● **ENSEMBLES DE PROTEINES D'ADN DOUBLE BRIN LIEES A LA SURFACE**

(71) **PRESIDENT AND FELLOWS OF HARVARD COLLEGE** [US/US]; University Place, 124 Mont Auburn Street, Cambridge, MA 02138 (US).
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(72, 75) **CHURCH, George, M.** [US/US]; 218 Kent Street, Brookline, MA 02146 (US). **BULYK, Martha, L.** [US/US]; 103 Bowne Street #3, Brookline, MA 02146 (US).

(74) **WILLIAMS, Kathleen, M.**; Banner & Witcoff, Ltd., 28th floor, 28 State Street, Boston, MA 02111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19511** (13) A1

(21) PCT/US98/21117

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/949,243 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/68, C07H 21/02, 21/04, C12N 15/00**

- (54) ● **IN SITU AND IN VITRO HYBRIDIZATION METHOD AND BUFFER**
● **PROCEDE ET TAMPON D'HYBRIDATION IN SITU ET IN VITRO**

(71) **BIOSEPARATIONS, INC.** [US/US]; Suite #245, 245 South Plumer Road, Tucson, AZ 85705 (US).

(72) **UTERMOHLEN, Joseph, G.**; 5357 East 19th Street, Tucson, AZ 85711 (US). **SAMMONS, David, W.**; 4635 East Calle Barril, Tucson, AZ 85718 (US).

(74) **ROSENBAUM, David, G.**; Sonnenschein, Nath & Rosenthal, 8000 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606-6404 (US).

(81) DE DK ES FI GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19512** (13) A1

(21) PCT/US98/21227

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,643 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **C12Q 1/68, C07H 21/04**

- (54) ● **β -ADRENERGIC RECEPTOR POLYMORPHISMS**
● **POLYMORPHISMES DU RECEPTEUR β -ADRENERGIQUES**

(63) US 08/948,643 (CIP)
10 Oct/oct 1997 (10.10.1997)

(71) **UNIVERSITY OF CINCINNATI** [US/US]; 2600 Clifton Avenue, Cincinnati, OH 45221 (US).
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(72, 75) **LIGGETT, Stephen, Bryant** [US/US]; 5081 Catalpa Creek Drive, Cincinnati, OH 45242-6144 (US).

(74) **AUERBACH, Jeffrey, I.** et al. / etc.; Howrey & Simon, 1299 Pennsylvania Avenue, N.W., Box 34, Washington, DC 20004-2402 (US).

(81) AU CA IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19513** (13) A2 [AT/US]; 248 Hawthorne Avenue, Palo Alto, CA 94301 (US).
- (21) PCT/US98/21315
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,572 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68, C12N 1/19, 15/12, C07K 14/705**
- (54) ● METHODS FOR DETECTING COMPOUNDS WHICH MODULATE THE ACTIVITY OF AN LPA RECEPTOR
- PROCEDES POUR LA DETECTION DE COMPOSES MODULANT L'ACTIVITE D'UN RECEPTEUR D'ACIDE LYSOPHOSPHATIDIQUE (LPA)
- (71) **LXR BIOTECHNOLOGY, INC.** [US/US]; 1401 Marina Way South, Richmond, CA 94804 (US). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ERIKSON, James** [US/US]; 401 Colusa Avenue, El Cerrito, CA 94530 (US). **GODDARD, J., Graham** [US/US]; 110 Congo Street, San Francisco, CA 94131 (US). **KIEFER, Michael** [US/US]; 401 Wright Court, Clayton, CA 94547 (US).
- (74) **LEHNHARDT, Susan, K.** et al. / etc.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19514** (13) A1
- (21) PCT/US98/21461
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,445 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 60/063,906 (32) **31 Oct/oct 1997 (31.10.1997)** (33) US
- (31) 60/075,720 (32) **24 Feb/fév 1998 (24.02.1998)** (33) US
- (31) 60/103,313 (32) **6 Oct/oct 1998 (06.10.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68, B01D 15/08, C07H 21/00, G01N 21/55, 21/64, 30/02**
- (54) ● MODIFYING DOUBLE STRANDED DNA TO ENHANCE SEPARATIONS BY MATCHED ION POLYNUCLEOTIDE CHROMATOGRAPHY
- MODIFICATION D'ADN DOUBLE BRIN POUR AMELIORER LES SEPARATIONS PAR CHROMATOGRAPHIE DE POLYNUCLEOTIDES A IONS APPARIES
- (71) **TRANSGENOMIC, INC.** [US/US]; Suite D-200, 1620 Oakland Road, San Jose, CA 95131 (US). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GJERDE, Douglas, T.** [US/US]; 12995 Woodside Drive, Saratoga, CA 95070 (US). **TAYLOR, Paul, D.** [GB/US]; 248 Hawthorne Avenue, Palo Alto, CA 94301 (US). **HAEFELE, Robert, M.**
- (74) **WALKER, William, B.** et al. / etc.; Enterprise Law Group, Inc., Suite 280, 4400 Bohannon Drive, Menlo Park, CA 94025 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19515** (13) A1
- (21) PCT/US98/21562
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 60/061,938 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (31) 60/085,584 (32) **15 May/mai 1998 (15.05.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68, D06P 1/90, B32B**
- (54) ● PRECISION FLUORESCENTLY DYED PARTICLES AND METHODS OF MAKING AND USING SAME
- PARTICULES FLUORESCENTES DE PRECISION, ET PROCEDE DE FABRICATION ET MODE D'UTILISATION ASSOCIES
- (71) **LUMINEX CORPORATION** [US/US]; 12212 Technology Boulevard, Austin, TX 78727-6115 (US).
- (72) **CHANDLER, Don**; 7300 Valburn Drive, Austin, TX 78731 (US). **CHANDLER, Van**; 7300 Valburn Drive, Austin, TX 78731 (US). **LAMBERT, Beth**; 2829-A San Gabriel, Austin, TX 78705 (US). **REBER, Janet**; 13601 Elm Ridge Lane #1421, Austin, TX 78727 (US). **PHIPPS, Stacie**; 12445 Alameda Trace Circle #117, Austin, TX 78727 (US).
- (74) **VILLACORTA, Gilberto, M.** et al. / etc.; Pepper Hamilton LLP, 1300 Nineteenth Street, N.W., Washington, DC 20036-1685 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19516** (13) A1
- (21) PCT/US98/21583
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 08/953,005 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68, C12P 19/34, B44C 1/22, A16K 38/00**
- (54) ● APPARATUS AND METHODS FOR SEQUENCING NUCLEIC ACIDS IN MICROFLUIDIC SYSTEMS
- DISPOSITIF ET PROCEDES DE SEQUENCAGE D'ACIDES NUCLEIQUES DANS DES SYSTEMES MICROFLUIDIQUES
- (71) **CALIPER TECHNOLOGIES CORPORATION** [US/US]; 1275 California Avenue, Palo Alto, CA 94304 (US). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **NIKIFOROV, Theo, T.** [BG/US]; 502 Railway Avenue #317, Campbell, CA 95008 (US).
- (74) **QUINE, Jonathan, A.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).
- (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19517** (13) A1
- (21) PCT/US98/21747
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 60/062,413 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (31) 60/062,412 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (31) 09/136,084 (32) **18 Aug/août 1998 (18.08.1998)** (33) US
- (31) 60/103,313 (32) **6 Oct/oct 1998 (06.10.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68**
- (54) ● ANALYSIS OF NICKED DNA BY MATCHED ION POLYNUCLEOTIDE CHROMATOGRAPHY
- ANALYSE D'ADN A COUPURES PAR MIPC
- (71) **TRANSGENOMIC, INC.** [US/US]; Suite D-200, 1620 Oakland Road, San Jose, CA 95131 (US). (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **GJERDE, Douglas, T.** [US/US]; 12995 Woodside Drive, Saratoga, CA 95070 (US). **TAYLOR, Paul, D.** [GB/US]; 248 Hawthorne Avenue, Palo Alto, CA 94301 (US).
- (74) **WALKER, William, B.** et al. / etc.; Transgenomic, Inc., 2032 Concourse Drive, San Jose, CA 95131 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19518** (13) A1
- (21) PCT/US98/21895
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,073 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **C12Q 1/68, G01N 33/53**

- (54) ● SCREENING FOR NOVEL COMPOUNDS WHICH REGULATE BIOLOGICAL INTERACTIONS
● CRIBLAGE DE NOUVEAUX COMPOSES AYANT UNE ACTION DE REGULATION DES INTERACTIONS BIOLOGIQUES
- (63) US 60/062,073 (CIP)
15 Oct/oct 1997 (15.10.1997)
- (71) **DIVERSA, INC.** [US/US]; 10665 Sorrento Valley Road, San Diego, CA 92121 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SHORT, Jay, M.** [US/US]; 320 Delage Drive, Encinitas, CA 92024 (US).
- (74) **HAILE, Lisa, A.**; Fish & Richardson P.C., Suite 1400, 4225 Executive Drive, La Jolla, CA 92037 (US).
- (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19519** (13) A1
(21) PCT/RO98/00017
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 97-01874 (32) **10 Oct/oct 1997 (10.10.1997)** (33) RO
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C21B 9/14**
(54) ● COWPER STOVE BATTERY
● BATTERIE DE COWPERS
(71, 72) **TATAR, Doru** [RO/RO]; Str. Domneasca, Modern, ap. 36, R-6200 Galati (RO).
(74) **ROMINVENT S.A.**; Ermil Pangratti Street 35, R-171128 Bucuresti 1 (RO).
(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19520** (13) A1
(21) PCT/IB97/01457
(22) **10 Oct/oct 1997 (10.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C21B 13/02**
(54) ● METHOD AND APPARATUS FOR CONTROLLING DRI CARBURIZATION
● PROCEDE ET APPAREIL POUR COMMANDER LA CARBURATION DE FER DE REDUCTION DIRECTE
(71) **HYLSA, S.A. DE C.V.** [MX/MX]; Avenida Munich 101, San Nicolas de los Garza, Nuevo León 66452 (MX).
(72) **CELADA GONZALEZ, Juan, III**; Porfirio Diaz Ote. 613, San Pedro Garza Garcia, Nuevo León 66240 (MX). **QUINTERO FLORES, Raul Gerardo**; Lucerna 103, San Patricio, San Pedro Garza Garcia, Nuevo León 66270 (MX). **VIRAMONTES BROWN, Ricardo**; Mirador de la Sierra 347, Lomas del Valle, San Pedro Garza Garcia, Nuevo León 66240 (MX). **FLORES SER-RANO, Octaviano Roberto**; Septima Avenida 728-A, Cumbres 2° Sector, Monterrey, Nuevo León 64610 (MX).
(81) AT AU BR CA CN DE ES GB JP KR MX RO RU SE TT; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19521** (13) A1
(21) PCT/EP98/05732
(22) **9 Sep/sep 1998 (09.09.1998)**
(25) de (26) de
(31) 197 45 445.3 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C21D 8/12**
(54) ● METHOD FOR PRODUCING A MAGNETIC GRAIN ORIENTED STEEL SHEET WITH LOW LEVEL LOSS BY MAGNETIC REVERSAL AND HIGH POLARISATION
● PROCEDE DE PRODUCTION D'UNE TOLE ELECTRIQUE A GRAINS ORIENTES AVEC UNE FAIBLE PERTE PAR INVERSION MAGNETIQUE ET UNE POLARISATION ELEVEE
(71) **THYSSEN KRUPP STAHL AG** [DE/DE]; August-Thyssen-Strasse 1, D-40211 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **PIRCHER, Hans** [DE/DE]; Elsenborner Weg 39, D-45481 Mülheim (DE). **KAWALLA, Rudolf** [DE/DE]; Ottenschlag 56, D-46244 Bottrop (DE). **ESPENHAHN, Manfred** [DE/DE]; Ostpreußenstrasse 65, D-45259 Essen (DE). **BÖTTCHER, Andreas** [DE/DE]; Dauner Strasse 53, D-47259 Duisburg (DE). **GÜNTHER, Klaus** [DE/DE]; Rittersweg 4, D-46562 Voerde (DE). **HUNEUS, Hans** [DE/DE]; Am Holzplatz 38, D-44627 Herne (DE). **WUPPERMANN, Carl-Dieter** [DE/DE]; Deußstrasse 26c, D-47803 Krefeld (DE).
(74) **COHAUSZ & FLORACK**; Kanzlerstrasse 8a, D-40472 Düsseldorf (DE).
(81) AU BR CA CZ HU JP KR MX PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19522** (13) A1
(21) PCT/DE98/02696
(22) **4 Sep/sep 1998 (04.09.1998)**
(25) de (26) de
(31) 197 45 605.7 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C21D 9/08**
(54) ● METHOD FOR PREVENTING QUENCHING CRACKS FROM FORMING ON THE INNER SURFACE OF A CYLINDRICAL HOLLOW BODY
● PROCEDE POUR EVITER DES TAPURES DE TREMPRE A LA SURFACE INTERIEURE D'UN CORPS CREUX CYLINDRIQUE
(71) **MANNESMANN AG** [DE/DE]; Mannesmannufer 2, D-40213 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **KLOSTER, Gerd** [DE/DE]; Folkenbornstrasse 34a, D-45472 Mülheim (DE). **KEGEL, Fritz** [DE/DE]; Rheinstrasse 2, D-41749 Viersen (DE). **PRASSER, Christoph** [DE/DE]; Ruschenstrasse 8, D-45133 Essen (DE). **VON HAGEN, Ingo** [DE/DE]; Schumannstrasse 1, D-47800 Krefeld (DE). **ZINKLER, Peter, Christian** [DE/DE]; Kalkstrasse 42, D-40489 Düsseldorf (DE).
(74) **MEISSNER, P., E.** et al. / etc.; Hohenzollern-damm 89, D-14199 Berlin (DE).
(81) BR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19523** (13) A1
(21) PCT/US98/21655
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/949,576 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C22B 3/22, 3/24, 3/26, 3/42, B01D 39/02, 39/16, 41/00, 11/04, C22B 3/02, C02F 1/62**
(54) ● A FIBROUS SYSTEM INCLUDING WICKING FIBERS IMPREGNATED WITH EXTRACTANT FOR CONTINUOUSLY CAPTURING METALS FROM AN AQUEOUS STREAM
● SYSTEME FIBREUX COMPORTANT DES FIBRES MECHEES IMPREGNEES D'UN AGENT D'EXTRACTION PERMETTANT DE CAPTER EN CONTINU DES METAUX A PARTIR D'UN COURANT AQUEUX
(71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).

- (72) **ROHRBACH, Ronald**; 430 Cherrville Road, Flemington, NJ 08822 (US). **JONES, Gordon**; 2303 Gibley Park, Toledo, OH 43617 (US). **UNGER, Peter**; 36 Terry Drive, Convent Station, NJ 07961 (US). **BAUSE, Daniel**; 150 Cloverhill Drive, Flanders, NJ 07836 (US). **DONDERO, Russell**; Apartment 5, 255 River Road, N. Arlington, NJ 07031 (US).
(74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (A. Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).
(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19524** (13) A1
(21) PCT/JP98/04508
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) 9/296377 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C22C 33/02**
(54) ● SINTERED POWDER METAL BODIES AND PROCESS FOR PRODUCING THE SAME
● CORPS EN POUDRE DE METAL FRITTE ET LEUR PROCEDE DE FABRICATION
(71) **UNISIA JECS CORPORATION** [JP/JP]; 1370, Onna, Atsugi-shi, Kanagawa 243-8510 (JP). **KAWASAKI STEEL CORPORATION** [JP/JP]; 1-28, Kitahonmachidori 1-chome, Chuo-ku, Kobe-shi, Hyogo 651-0075 (JP).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **YOSHIMURA, Takashi** [JP/JP]; Unisia Jeecs Corporation, 1370, Onna, Atsugi-shi, Kanagawa 243-8510 (JP). **AMMA, Hiroyuki** [JP/JP]; Unisia Jeecs Corporation, 1370, Onna, Atsugi-shi, Kanagawa 243-8510 (JP). **FUJINAGA, Masashi** [JP/JP]; Chiba Works of Kawasaki Steel Corporation, 1, Kawasaki-cho, Chuo-ku, Chiba-shi, Chiba 260-0835 (JP).
(74) **SHIGA, Fujiya**; Ekisakai Building, 1-29, Aka-shi-cho, Chuo-ku, Tokyo 104-0044 (JP).
(81) AU CA CN HU ID KR MX PL RU SG TR US VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19525** (13) A1
(21) PCT/AU98/00858
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) PO 9782 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C22C 33/08, 37/10, 38/12, 38/16, F16D 65/12**
(54) ● IRON ALLOY CONTAINING MOLYBDENUM
● ALLIAGE DE FONTE CONTENANT DU MOLYBDENE
(71) **CAMCAST INDUSTRIES PTY. LTD.** [AU/AU]; 144 Gordon Street, Footscray, VIC 3011 (AU); *(for all designated States except / pour tous les États désignés sauf US)*
(72, 75) **COOPER, Selwyn, James** [AU/AU]; 144 Gordon Street, Footscray, VIC 3011 (AU).
(74) **CARTER SMITH & BEADLE**; 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19526** (13) A2
(21) PCT/US98/21622
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 60/061,856 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C**
(54) ● APPARATUS AND METHOD FOR ADJUSTING DENSITY DISTRIBUTION OF A PLASMA
● APPAREIL ET PROCEDE DE REGLAGE DE LA DISTRIBUTION DENSIMETRIQUE D'UN PLASMA
(71) **TOKYO ELECTRON LIMITED** [JP/JP]; 3-6 Akasaka 5-chome, TBS Broadcast Center, Minato-ku, Tokyo 107 (JP); *(for all designated States except / pour tous les États désignés sauf US)*
(72, 75) **JOHNSON, Wayne, L.** [US/US]; 13658 S. 32nd Street, Phoenix, AZ 85044 (US).
(74) **MAIER, Gregory, J.** et al. / etc.; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Suite 400, 1755 Jefferson Davis Highway, Arlington, VA 22202 (US).
(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19527** (13) A2
(21) PCT/US98/21623
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 60/061,857 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 33/08, 37/10, 38/12, 38/16, F16D 65/12**
(54) ● IRON ALLOY CONTAINING MOLYBDENUM
● ALLIAGE DE FONTE CONTENANT DU MOLYBDENE
(71) **CAMCAST INDUSTRIES PTY. LTD.** [AU/AU]; 144 Gordon Street, Footscray, VIC 3011 (AU); *(for all designated States except / pour tous les États désignés sauf US)*
(72, 75) **COOPER, Selwyn, James** [AU/AU]; 144 Gordon Street, Footscray, VIC 3011 (AU).
(74) **CARTER SMITH & BEADLE**; 2 Railway Parade, P.O. Box 557, Camberwell, VIC 3124 (AU).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19528** (13) A1
(21) PCT/DE98/02892
(22) **30 Sep/sep 1998 (30.09.1998)**
(25) de (26) de
(31) 197 45 132.2 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 2/20, G05B 13/04, G05D 5/03**
(54) ● METHOD AND DEVICE FOR COATING A METAL STRIP
● PROCEDE ET DISPOSITIF POUR LE REVETEMENT D'UNE BANDE METALLIQUE
(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE); *(for all designated States except / pour tous les États désignés sauf US)*
(72, 75) **SCHLECHTER, Wilfried** [DE/DE]; Zeisigstrasse 29, D-91315 Höchstadt (DE).
(74) **SIEMENS AG**; Postfach 22 16 34, D-80506 München (DE).
(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19529** (13) A1
(21) PCT/NO98/00301
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) en (26) en
(31) 974716 (32) **10 Oct/oct 1997 (10.10.1997)** (33) NO
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 14/02 // F21V 7/22**
(54) ● ORGANIC COATED MATERIALS FOR REFLECTORS AND DECORATIVE PURPOSES
● MATERIAUX REVETUS POUR REFLECTEURS ET APPLICATIONS DECORATIVES
(71) **NORSK HYDRO ASA** [NO/NO]; N-0240 Oslo (NO). **THE VALSPAR (NORWAY) CORPORATION AS** [NO/NO]; Strandveien 6, N-3051 Mjøndalen (NO); *(for all designated States except / pour tous les États désignés sauf US)*
(72, 75) **STORBAKKEN, Albin, Solem** [NO/NO]; Brudeberget 10A, N-3055 Krokstadelva (NO). **HALLENSTVET, Merete** [NO/NO]; Ramberg Terrasse 50, N-3115 Tønsberg (NO).
(74) **ANDERSON, Elin**; Norsk Hydro ASA, N-0240 Oslo (NO).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19530** (13) A1
(21) PCT/US98/21070
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) 08/950,277 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/00**
(54) ● A VACUUM PROCESSING SYSTEM HAVING IMPROVED SUBSTRATE HEATING AND COOLING
● SYSTEME DE TRAITEMENT SOUS VIDE A FONCTIONS AMELIOREES D'ECHAUFFEMENT ET DE REFRROIDISSEMENT DE SUBSTRAT
(71) **APPLIED KOMATSU TECHNOLOGY, INC.** [JP/JP]; No. 1, 7 ban 2-chome, Nishishinjuku, Tokyo (JP).
(71, 72) **TURNER, Norman, L.** [US/US]; 1207 Christobal Privada, Mountain View, CA 94040 (US). **WHITE, John, M.** [US/US]; 2811 Colony View Place, Hayward, CA 94541-5656 (US). **D'ENTREMONT, Alan** [US/US]; 12257 Foothill Road, Sunol, CA 94586 (US).
(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
(81) JP KR.
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- (11) **WO 99/19531** (13) A1
(21) PCT/US98/17462
(22) **20 Aug/août 1998 (20.08.1998)**
(25) en (26) en
(31) 08/948,890 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/02**
(54) ● METHOD TO IMPROVE ADHESION OF DIELECTRIC ON METAL
● PROCEDE PERMETTANT D'AMELIORER L'ADHERENCE D'UN DIELECTRIQUE SUR UN METAL
(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).
(72) **XI, Ming**; Apartment 87, 679 Garland Avenue, Sunnyvale, CA 94086 (US). **SAHIN, Turgut**; 11110 Chadwick Place, Cupertino, CA 95014 (US). **WANG, Yaxin**; 41569 Joyce Avenue, Fremont, CA 94539 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
(81) JP KR.

(11) **WO 99/19532** (13) A1
(21) PCT/US98/21113
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) en (26) en
(31) 08/948,955 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/18, 16/44**

(54) ● METHOD OF CHEMICAL VAPOR DEPOSITION OF METAL FILMS
● PROCEDE DE DEPOT CHIMIQUE EN PHASE VAPEUR DE COUCHES METALLIQUES

(71) **TOKYO ELECTRON ARIZONA** [US/US]; 2120 W. Guadalupe Road, Gilbert, AZ 85233-8205 (US). **TOKYO ELECTRON LIMITED** [JP/JP]; TBS Broadcast Center, 3-6, Akasaka 5-chome, Minato-ku, Tokyo 107 (JP).

(72) **ARENA, Chantal**; 3847 E. Ivyglenn Road, Mesa, AZ 85205 (US). **BERTRAM, Ronald, T.**; 3141 W. Campbell Road, Phoenix, AZ 85017 (US). **GUIDOTTI, Emmanuel**; Le Reconuier, 25, rue de Buisson-Rond, F-73000 Barberaz (FR). **HILLMAN, Joseph, T.**; 8025 E. McLellan Boulevard, Scottsdale, AZ 85250 (US).

(74) **FREI, Donald, F.** et al. / etc.; Wood, Herron & Evans, L.L.P., 2700 Carew Tower, Cincinnati, OH 45202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19533** (13) A1
(21) PCT/US98/18832
(22) **9 Sep/sep 1998 (09.09.1998)**
(25) en (26) en
(31) 08/948,799 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/26, C08J 7/18**

(54) ● METHOD OF DEPOSITING AN AMORPHOUS FLUOROCARBON FILM USING HDP-CVD
● PROCEDE DE DEPOT D'UN FILM DE FLUOROCARBURES AMORPHES PAR LA METHODE HDP-CVD (DEPOT CHIMIQUE EN PHASE VAPEUR ACTIVE PAR PLASMA HAUTE DENSITE)

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **XI, Ming**; Apartment 87, 679 Garland Avenue, Sunnyvale, CA 94086 (US). **TZOU, Eugene**; 423 Lotus Lane, Mountain View, CA 94043 (US). **CHENG, Lie-Yea**; 211 Colorado Avenue, Palo Alto, CA 94301 (US). **SAHIN, Turgut**; 11110 Chadwick Place, Cupertino, CA 95014 (US). **WANG, Yaxin**; 41569 Joyce Avenue, Fremont, CA 94539 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 17th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
(81) JP.

(11) **WO 99/19534** (13) A1
(21) PCT/US98/21434
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/948,832 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/40**

(54) ● PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION (PECVD) METHOD OF FORMING VANADIUM OXIDE FILMS AND VANADIUM OXIDE THIN-FILMS PREPARED THEREBY
● PROCEDE DE FORMATION DE FILMS D'OXYDE DE VANADIUM PAR DEPOT CHIMIQUE EN PHASE VAPEUR ACTIVE PAR PLASMA (PECVD) ET FILMS MINCES D'OXYDE DE VANADIUM PREPARES PAR CE PROCEDE

(71) **MIDWEST RESEARCH INSTITUTE** [US/US]; 425 Volker Boulevard, Kansas City, MO 64110 (US).

(72) **ZHANG, Ji-Guang**; 14171 West 4th Avenue, Golden, CO 80401 (US). **TRACY, C., Edwin**; 19012 W. 60th Drive, Golden, CO 80401 (US). **BENSON, David, K.**; 124154 West First Drive, Golden, CO 80401 (US). **TURNER, John, A.**; 11244 West Saratoga Place, Littleton, CO 80127-1201 (US). **LIU, Ping**; 10680 West 8th Avenue, Lakewood, CO 80125 (US).

(74) **RICHARDSON, Ken**; National Renewable Energy Laboratory, 1617 Cole Boulevard, Golden, CO 80401 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(74) **AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).**

Published / Publiée : (b)

(11) **WO 99/19535** (13) A1
(21) PCT/US98/17215
(22) **19 Aug/août 1998 (19.08.1998)**
(25) en (26) en
(31) 08/948,895 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/44**

(54) ● METHOD TO IMPROVE ADHESION OF DIELECTRIC ON METAL
● PROCEDE D'AMELIORATION DE L'ADHERENCE D'UN DIELECTRIQUE SUR UN METAL

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **SAHIN, Turgut**; 11110 Chadwick Place, Cupertino, CA 95015 (US). **WANG, Yaxin**; 7201 Bark Lane #4, San Jose, CA 95129 (US). **XI, Ming**; 679 Garland Avenue #87, Sunnyvale, CA 94086 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
(81) JP KR.

(11) **WO 99/19536** (13) A1
(21) PCT/US98/20951
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) en (26) en
(31) 08/948,537 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/44, H01L 21/00, C30B 25/14**

(54) ● INTRODUCING PROCESS FLUID OVER ROTATING SUBSTRATES
● PROCESSUS D'APPLICATION D'UN FLUIDE DE TRAITEMENT SUR DES SUBSTRATS EN ROTATION

(71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).

(72) **HAAS, Brian, L.**; 5363 Joseph Lane, San Jose, CA 95118 (US). **TIETZ, James, V.**; 36712 Reynolds Drive, Fremont, CA 94536 (US). **WILLIAMS, Meredith, J.**; P.O. Box 5654, Santa Clara, CA 95056 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19537** (13) A1
(21) PCT/US98/20996
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) 08/948,279 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **C23C 16/50, H01J 37/32**

(54) ● DUAL FREQUENCY EXCITATION OF PLASMA FOR FILM DEPOSITION
● EXCITATION A DOUBLE FREQUENCE D'UN PLASMA POUR DEPOSITION DE FILM

(71) **APPLIED KOMATSU TECHNOLOGY, INC.** [JP/JP]; 1-7, ban 2-chome, Nishishinjuku, Tokyo (JP).

(71, 72) **LAW, Kam, S.** [US/US]; 461 Riviera Drive, Union City, CA 94587 (US). **ROBERTSON, Robert, M.** [US/US]; 900 Pepper Tree Lane #1422, Santa Clara, CA 95051 (US). **SHANG, Quanyuan** [CN/US]; 1507 Johnson Avenue, San Jose, CA 95129 (US). **OLSEN, Jeff** [US/US]; 140 Las Astas Drive, Los Gatos, CA 95032 (US). **SORENSEN, Carl** [US/US]; 4566 E. Dunne Avenue, Morgan Hill, CA 95037 (US).

(74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) CN JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19538** (13) A1
(21) PCT/JP98/04646

- (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) ja (26) ja
 (31) 9/280433 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C23C 22/00, C25D 9/06, C21D 9/46**
 (54) ● METHOD OF FORMING AN INSULATING FILM ON A MAGNETIC STEEL SHEET
 ● PROCEDE DE FORMATION D'UN REVE-TEMENT ISOLANT SUR UNE FEUILLE D'ACIER MAGNETIQUE
 (71) **NIPPON STEEL CORPORATION** [JP/JP]; 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8071 (JP).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **YAMAZAKI, Shuichi** [JP/JP]; Nippon Steel Corporation, Technical Development Bureau, 20-1, Shintomi, Futsu City, Chiba 293-0011 (JP). **KUROSAKI, Masao** [JP/JP]; Nippon Steel Corporation, Technical Development Bureau, 20-1, Shintomi, Futsu City, Chiba 293-0011 (JP). **MURAKAMI, Kenichi** [JP/JP]; Nippon Steel Corporation Yawata Works, 1-1, Tobihata-cho, Tobata-ku, Kitakyushu City, Fukuoka 804-8501 (JP). **USHIGAMI, Yoshiyuki** [JP/JP]; Nippon Steel Corporation, Technical Development Bureau, 20-1, Shintomi, Futsu City, Chiba 293-0011 (JP).
 (74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).
 (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19539** (13) A2
 (21) PCT/US98/21654
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/950,218 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C23F**
 (54) ● GAS TREATING SOLUTION CORROSION INHIBITOR
 ● INHIBITEUR DE CORROSION DE SOLUTIONS DE TRAITEMENT AU GAZ
 (71) **COASTAL FLUID TECHNOLOGIES, L.L.C.** [US/US]; P.O. Box 81577, Lafayette, LA 70598-1577 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **VELDMAN, Ray, R.** [US/US]; Suite 380, 363 N. Sam Houston Parkway, E., Houston, TX 77060 (US). **TRAHAN, David, O.** [US/US]; P.O. Box 81577, Lafayette, LA 70598-1577 (US).
 (74) **NEHRBASS, Seth, M.**; Garvey, Smith, Nehrbass & Doody, L.L.C., Suite 3290, 3838 N. Causeway Boulevard, Metairie, LA 70002 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19541** (13) A1
 (21) PCT/FR98/02134
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) fr (26) fr
 (31) 97/12621 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C23G 1/20, A47L 15/50, 15/00**
 (54) ● CONTAINER FOR STRIPPING SILVERWARE AND RELATED MEANS
 ● RECIPIENT POUR LA DESOXYDATION DE L'ARGENTERIE ET MOYENS ASSOCIES
 (71) **ORFEVRENERIE CHRISTOFFLE S.A.** [FR/FR]; 9, rue Royale, F-75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **STARY, Didier** [FR/FR]; 15, rue Gabrielle, F-94220 Charenton-le-Pont (FR). **CORDIE, Paul** [FR/FR]; 33, rue Montmartre, F-75002 Paris (FR).
 (74) **PHELIP, Bruno**; Cabinet Harlé & Phélip, 7, rue de Madrid, F-75008 Paris (FR).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19542** (13) A1
 (21) PCT/US98/21150
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 08/950,351 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
-
- (31) 09/137,024 (32) **20 Aug/août 1998 (20.08.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C25D 3/30**
 (54) ● ELECTROLYTIC TIN PLATING PROCESS WITH REDUCED SLUDGE PRODUCTION
 ● PROCEDE D'ETAMAGE ELECTROLYTIQUE A FORMATION REDUITE DE BOUE
 (63) US 08/950,351 (CIP)
 14 Oct/oct 1997 (14.10.1997)
 (71) **USX ENGINEERS AND CONSULTANTS, INC.** [US/US]; 600 Grant Street, Pittsburgh, PA 15219 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **ILGAR, Ersan** [TR/TR]; 11400 Althea Drive, Pittsburgh, PA 15235 (US).
 (74) **RIESMEYER, William, F., III**; USX Corporation, Room 1500, 600 Grant Street, Pittsburgh, PA 15219 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (a)
-
- (11) **WO 99/19543** (13) A1
 (21) PCT/JP98/04437
 (22) **30 Sep/sep 1998 (30.09.1998)**
 (25) ja (26) ja
 (31) 9/293631 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **C25D 7/00, 5/08, 17/22, B22F 1/00**
 (54) ● METHOD FOR PRODUCING VERY SMALL METAL BALL
 ● PROCEDE DE PRODUCTION DE BILLES METALLIQUES TRES PETITES
 (71) **SUMITOMO SPECIAL METALS CO., LTD.** [JP/JP]; 7-19, Kitahama 4-chome, Chuou-ku, Osaka-shi, Osaka 541-0041 (JP).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **NISHIUCHI, Takeshi** [JP/JP]; 10-16, Mitsukayama 1-chome, Ibaraki-shi, Osaka 567-0035 (JP). **YOSHIMURA, Kohshi** [JP/JP]; 9-3-103, Minamitsukaguchi-cho 6-chome, Amagasaki-shi, Hyogo 661-0012 (JP). **KIKUI, Fumiaki** [JP/JP]; 13-15, Satsukinohigashi 1-chome, Mihara-cho, Minamikawachi-gun, Osaka 587-0032 (JP).
 (74) **OSHIDA, Yoshihisa**; Ginza Building, 3-12, Ginza 3-chome, Chuou-ku, Tokyo 104-0061 (JP).
 (81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19544** (13) A1
 (21) PCT/US98/19542
 (22) **22 Sep/sep 1998 (22.09.1998)**
 (25) en (26) en
 (31) 08/948,748 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C25D 21/14, 21/20

(54) ● COPPER METALLIZATION OF SILICON WAFERS USING INSOLUBLE ANODES

● METALLISATION AU CUIVRE DE PLAQUETTES DE SILICIUM, AU MOYEN D'ANODES INSOLUBLES

(71) ENTHONE-OMI, INC. [US/US]; 350 Frontage Road, West Haven, CT 06516 (US).

(72) HAYDU, Juan, B.; 373 Old Silo Road, Orange, CT 06477 (US). TOO, Elena, H.; 125 Turtle Bay Drive, Brandford, CT 06405 (US). HURTUBISE, Richard, W.; 81 Cow Hill Road, Clinton, CT 06413 (US).

(74) DeLIO, Anthony, P. et al. / etc.; DeLio & Peterson, LLC, 121 Whitney Avenue, New Haven, CT 06510 (US).

(81) CA CN IL JP KR MX RU SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19545 (13) A1

(21) PCT/FR98/02171

(22) 9 Oct/oct 1998 (09.10.1998)

(25) fr (26) fr

(31) 97/12680 (32) 10 Oct/oct 1997 (10.10.1997) (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C30B 15/34, 15/00

(54) ● DIE FOR SHAPED CRYSTAL GROWTH FROM A MOLTEN BATH

● FILIERE POUR LE TIRAGE DE CRISTAUX A PARTIR D'UN BAIN FONDU

(71) COMMISSARIAT A L'ENERGIE ATOMIQUE [FR/FR]; 31-33, rue de la Fédération, F-75015 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) THEODORE, Fred [FR/FR]; 6, rue Hippolyte Bouvier, F-38000 Grenoble (FR). DELEPINE, Jean [FR/FR]; 6, rue du Petit Jean, F-38610 Gières (FR). NABOT, Jean-Philippe [FR/FR]; Parc de Rocheplaine, 9, rue du Rif Tronchard, F-38120 Saint-Egrève (FR). KURLOV, Vladimir [RU/RU]; Chernogolovka, Shkolny b., 14-57, Moskovskaya obl., 142432 (RU).

(74) BREVATOME; 25, rue de Ponthieu, F-75008 Paris (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19546 (13) A1

(21) PCT/US98/20484

(22) 6 Oct/oct 1998 (06.10.1998)

(25) en (26) en

(31) 60/061,565 (32) 10 Oct/oct 1997 (10.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ C30B 23/04, 25/04, 25/14, 25/18, 29/40

(54) ● METHODS FOR GROWING DEFECT-FREE HETEROEPITAXIAL LAYERS

● PROCEDES DE CROISSANCE DE COUCHES HETEROEPITAXIALES SANS DEF AUT

(71) CORNELL RESEARCH FOUNDATION, INC. [US/US]; Suite 105, 20 Thornwood Drive, Ithaca, NY 14850 (US).

(72) LO, Yu-Hwa; 146 Lexington Drive, Ithaca, NY 14850 (US).

(74) BLAKE, William, A. et al. / etc.; Jones, Tullar & Cooper, P.C., P.O. Box 2266 Eads Station, Arlington, VA 22202 (US).

(81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19547 (13) A1

(21) PCT/US98/20445

(22) 30 Sep/sep 1998 (30.09.1998)

(25) en (26) en

(31) 60/061,612 (32) 10 Oct/oct 1997 (10.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ D01F 6/30, C08L 23/10, D04H 3/00

(54) ● PROPYLENE POLYMERS FOR FIBERS AND FABRICS

● POLYPROPYLENE POUR FIBRES ET TISSUS

(71) EXXON CHEMICAL PATENTS INC. [US/US]; 5200 Bayway Drive, Baytown, TX 77520-5200 (US).

(72) STAHL, George, A.; 8111 Hurst Forest, Humble, TX 77346 (US). RICHESON, Galen, C.; 20519 Whiteberry Court, Kingwood, TX 77346 (US).

(74) SCHMIDT, C., Paige et al. / etc.; Exxon Chemical Company, P.O. Box 2149, Baytown, TX 77522-2149 (US).

(81) BR CA CN JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) WO 99/19548 (13) A1

(21) PCT/US98/21738

(22) 14 Oct/oct 1998 (14.10.1998)

(25) en (26) en

(31) 08/949,666 (32) 14 Oct/oct 1997 (14.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ D01F 6/84, C08L 67/02

(54) ● MODIFIED POLYESTER WITH HIGH INTRINSIC VISCOSITY AT MODERATE STRENGTH

● POLYMERES MODIFIES A VISCOSITE INTRINSEQUE ELEVÉE POUR DES FORCES MODERÉES

(63) US 08/949,666 (CON)
14 Oct/oct 1997 (14.10.1997)

(71) WELLMAN, INC. [US/US]; 1040 Broad Street #302, Shrewsbury, NJ 07702-4318 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) HUMELSINE, Billy, Mack [US/US]; 200 Charter Oak Court, Mooresville, NC 28115 (US). NICHOLS, Carl, S. [US/US]; 10410 New Town Road, Waxhaw, NC 28173 (US).

(74) SUMMA, Philip; Suite 315, 13777 Ballantyne Corporate Place, Charlotte, NC 28277 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) WO 99/19549 (13) A2

(21) PCT/DE98/02998

(22) 9 Oct/oct 1998 (09.10.1998)

(25) de (26) de

(31) 197 45 182.9 (32) 13 Oct/oct 1997 (13.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ D02J 1/00

(54) ● DEVICE FOR INTERMINGLING YARN

● DISPOSITIF POUR ENTREMELER DES FILS

(71) DEUTSCHE INSTITUT FÜR TEXTIL- UND FASERFORSCHUNG STUTTGART - STIFTUNG DES ÖFFENTLICHEN RECHTS [DE/DE]; Körschtalstrasse 26, D-73770 Denckendorf (DE).

(74) CANZLER & BERGMEIER; Reisacherstrasse 23, D-85055 Ingolstadt (DE).

(81) CN JP KR TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19550 (13) A1

(21) PCT/JP98/04519

(22) 6 Oct/oct 1998 (06.10.1998)

(25) ja (26) ja

(31) 9/278565 (32) 13 Oct/oct 1997 (13.10.1997) (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ D04B 21/00, 21/06, 21/10

(54) ● WARP KNITTING FABRIC EXHIBITING INTERFERENCE COLOR TONE

● TISSU PRODUIT SUR METIER CHAINE A TEINTES PRESENTANT DES INTERFERENCES

(71) TEIJIN LIMITED [JP/JP]; 6-7, Minamihom-machi 1-chome, Chuo-ku, Osaka-shi, Osaka 541-0054 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) TAKAHASHI, Shigeru [JP/JP]; Teijin Limited, Osaka Research Center, 4-1, Minohara 3-chome, Ibaraki-shi, Osaka 567-0006 (JP). HIROTA, Fumio [JP/JP]; Teijin Limited, Osaka Research Center, 4-1, Minohara 3-chome, Ibaraki-shi, Osaka 567-0006 (JP).

(74) ISHIDA, Takashi et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).

(81) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19551** (13) A1
 (21) PCT/DK98/00443
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) da (26) en
 (31) 1166/97 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DK
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D04H 1/54 // 1/46, 1/70**
 (54) ● A PLANT FOR PRODUCING A FIBRE WEB OF PLASTIC AND CELLULOSE FIBRES
 ● INSTALLATION DE PRODUCTION D'UN VOILE EN PLASTIQUE ET EN FIBRES CELLULOSIQUES
 (71) **M & J FIBRETECH A/S** [DK/DK]; Vejlevej 3, DK-8700 Horsens (DK).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **ANDERSEN, Jens, Ole, Bröchner** [DK/DK]; Bytoften 17, DK-8660 Skanderborg (DK).
 (74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrogade 20, DK-1620 Copenhagen V (DK).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (a)

- (11) **WO 99/19552** (13) A1
 (21) PCT/US98/18083
 (22) **1 Sep/sep 1998 (01.09.1998)**
 (25) en (26) en
 (31) 08/950,908 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D05B 11/00**
 (54) ● METHOD AND APPARATUS FOR SEWING FABRIC PANELS
 ● PROCEDE ET APPAREIL DE COUTURE DE PANNEAUX DE TOILE
 (71) **PORTER SEWING MACHINES, INC.** [US/US]; 97 Rantoul Street, Beverly, MA 01915 (US).
 (72) **PORTER, Michael, R.**; 2 Proctor Drive, Topsfield, MA 01983 (US). **MARCANGELO, Steven**; P.O. Box 79, Derry, NH 03038 (US). **LAROE, Frank, W.**; 127 Haverhill Road, Topsfield, MA 01983 (US).
 (74) **GREEN, Lawrence, M.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19553** (13) A1
 (21) PCT/GB98/03056
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 9721588.3 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D06M 13/00**
 (54) ● METHOD FOR TEXTILE TREATMENT FOR SPANDEX CONTAINING FABRICS
 ● TRAITEMENT DU TEXTILE POUR TISSUS CONTENANT DE L'ELASTOMERES
 (71) **E.I. DUPONT DE NEMOURS AND COMPANY** [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **PERRING, Keith, Douglas** [GB/GB]; 14 Malvern Road, Ashford, Kent TN24 8HS (GB). **CLEMENTS, Christopher, Francis** [GB/GB]; Inveresk, Lookers Lane, Saltwood, Hythe, Kent CT21 5HW (GB). **MACMASTER, Angus, Peter** [GB/GB]; The Barn, Robus Ceramics, Evington Park, Hastingleigh, Nr Ashford, Kent TN25 5JH (GB). **PALMEN, Raymond** [NL/CH]; 3, chemin de Passoret, CH-1234 Vessy (CH). **JOHN, Olivier, William** [CH/CH]; 7, rue Monnier, CH-1207 Geneva (CH).
 (74) **KUHNEN, Rainer, A.** et al. / etc.; Alois-Steinecker-Strasse 22, D-85354 Freising (DE).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19554** (13) A1
 (21) PCT/US98/21453
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/948,544 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D06M 13/35, 13/352, 13/355**
 (54) ● UV ABSORBING AND IR ATTENUATING COMPOSITIONS FOR TEXTILES AND METHODS OF APPLICATION
 ● COMPOSITION POUVANT ABSORBER LES RAYONS UV ET ATTENUER LES RAYONS IR DANS DES TEXTILES ET PROCEDE DE MISE EN OEUVRE
 (71) **CASCADE BIOPHOTONICS, INC.** [US/US]; Suite 184, 1011 Boren Avenue, Seattle, WA 98104 (US).
 (74) **CRAINE, Dean, A.**; Craine Associates, Inc., Suite 380, 400-112th Avenue N.E., Bellevue, WA 98004 (US).
 (81) AU BR CA DE DK ES GB ID IL JP MX NZ SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19555** (13) A1
 (21) PCT/AT98/00236
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) de (26) de
 (31) A 1753/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AT
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D06M 13/358**
 (54) ● METHOD FOR TREATING CELLULOSIC SHAPED BODIES
 ● PROCEDE POUR LE TRAITEMENT DE CORPES MOULES CELLULOSIQUES
 (71) **LENZING AKTIENGESELLSCHAFT** [AT/AT]; Werkstrasse 2, A-4860 Lenzing (AT).
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 (72, 75) **KÖLL, Berndt** [AT/AT]; Wüstenrotstrasse 20, A-4860 Lenzing (AT). **BARTSCH, Peter** [DE/AT]; Pfeilgasse 14, A-1080 Wien (AT). **MÜLLEDER, Eduard** [AT/AT]; Wachtelweg 5, A-4030 Linz (AT).
 (74) **KÖHLER-PAVLIK, Johann**; Margaretenplatz 5, A-1050 Wien (AT).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19556** (13) A1
 (21) PCT/FR98/02156
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) fr (26) fr
 (31) 97/12595 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **D06M 16/00**
 (54) ● METHOD FOR MECHANICAL/BIOCHEMICAL TREATMENT OF TEXTILE FIBRES OF ANIMAL ORIGIN AND RESULTING PRODUCTS
 ● PROCEDE DE TRAITEMENT MECANIQUE/BIOCHIMIQUE DE FIBRES TEXTILES D'ORIGINE ANIMALE, AINSI QUE LES FIBRES ET ARTICLES AINSI OBTENUS
 (71) **PEIGNAGE AMEDEE** [FR/FR]; 154, rue de Cartigny, F-59100 Roubaix (FR).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **LEMAN, Bernard** [FR/FR]; 37, avenue Anatole France, F-59100 Roubaix (FR).
 (74) **LHUILIER, René** et al. / etc.; Cabinet Lepeudry, 52, avenue Daumesnil, F-75012 Paris (FR).
 (81) AU BR CA CZ JP NZ TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19557** (13) A1
 (21) PCT/US98/21487
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en

- (31) 60/062,085 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US (25) en (26) en (51)⁶ **D21C 11/12, F23L 7/00, 9/00**
- (31) 60/087,991 (32) **4 Jun/juin 1998 (04.06.1998)** (33) US (31) 60/061,954 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US (54) ● A METHOD FOR BLACK LIQUOR GASIFICATION IN RECOVERY BOILERS
● TECHNIQUE DE GAZEIFICATION DE LIQUEUR NOIRE DANS DES CHAUDIERES DE RECUPERATION
- (43) 22 Apr/avr 1999 (22.04.1999) (31) Not furnished / non communiqué (32) **7 Oct/oct 1998 (07.10.1998)** (33) US (71) **AGA AB** [SE/SE]; S-181 81 Lidingö (SE).
(for all designated States except / pour tous les États désignés sauf US)
- (51)⁶ **D06N 7/00, A47G 27/04**
- (54) ● FLOOR COVERING WITH WOVEN FACE
● REVETEMENT DE SOL A SURFACE TISSEE
- (63) US 60/062,085 (CON) 14 Oct/oct 1997 (14.10.1997)
US 60/087,991 (CON) 4 Jun/juin 1998 (04.06.1998)
- (71) **INTERFACE, INC.** [US/US]; Suite 2000, 2859 Paces Ferry Road, Atlanta, GA 30339 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SCOTT, Graham** [US/US]; 6144 Old West Point Road, LaGrange, GA 30240 (US). **OAKEY, David, D.** [US/US]; 868 Tiney Woods Drive, LaGrange, GA 30240 (US). **BRADFORD, John** [US/US]; 228 Baywood Circle, LaGrange, GA 30240 (US). **WATERS, Liam** [IE/US]; 724 Ridgcrest Road, LaGrange, GA 30240 (US). **GRAY, Keith** [US/US]; 575 Chastain Road #507, Kennewick, WA 98501 (US).
- (74) **PRATT, John, S.** et al. / etc.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (71) **RHODIA INC.** [US/US]; 259 Prospect Plains Road, Cranbury, NJ 08512-7500 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **DAHANAYAKE, Manilal, S.** [US/US]; 17 Reed Drive North, Princeton Junction, NJ 08550 (US). **YANG, Jiang** [CN/US]; Apartment L-8, 440 Dutch Neck Road, Hightstown, NJ 08520 (US).
- (74) **SHEDDEN, John, A.** et al. / etc.; Rhodia Inc., 259 Prospect Plains Road, Cranbury, NJ 08512 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19562** (13) A1
(21) PCT/IB98/01612
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 9703766-7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **D21F 3/02**
(54) ● AN EXTENDED NIP PRESS
● PRESSE A PINCEMENT DE GRANDE LONGUEUR
(71) **VALMET CORPORATION** [FI/FI]; Panuntie 6, FIN-00620 Helsingfors (FI).
(72) **ILMARINEN, Antti**; Sääksmäentie 42, FIN-40520 Jyväskylä (FI).
(74) **ROSTOVANYI, Peter**; Awapatent AB, P.O. Box 5117, S-200 71 Malmö (SE).
(81) BR CA CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
- (11) **WO 99/19563** (13) A1
(21) PCT/SE98/01847
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) sv (26) en
(31) 9703751-9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **D21F 5/18, 7/04**
(54) ● PLANT FOR DRYING A MATERIAL WEB
● INSTALLATION DE SECHAGE D'UNE BANDE DE MATERIAU
(71) **ABB FLÄKT AB** [SE/SE]; S-120 86 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)
- (71) **HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN** [DE/DE]; Henkelstrasse 67, D-40589 Düsseldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MÖLLER, Hinrich** [DE/DE]; Haydnstrasse 27, D-40789 Monheim (DE). **HÖFFKES, Horst** [DE/DE]; Carlo-Schmid-Strasse 113, D-40595 Düsseldorf (DE).
- (81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19559** (13) A1
(21) PCT/US98/21566
(22) **13 Oct/oct 1998 (13.10.1998)**
- (11) **WO 99/19560** (13) A1
(21) PCT/FI97/00623
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) fi (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **D21C 9/00, 9/10**
(54) ● METHOD AND APPARATUS FOR HEATING PULPS
● PROCEDE ET APPAREIL POUR CHAUFFER DES PATES
(71) **A. AHLSTRÖM OSAKEYHTIÖ** [FI/FI]; FIN-29600 Noormarkku (FI).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **PELTONEN, Kari** [FI/FI]; Isäntämiehentie 20 D, FIN-48400 Kotka (FI). **VESALA, Reijo** [FI/FI]; Lohniementie 29, FIN-48300 Kotka (FI). **VIKMAN, Vesa** [FI/FI]; Kauramaantie 10, FIN-48720 Kymi (FI).
- (74) **AHLSTROM MACHINERY OY**; Patent Dept., P.O. Box 18, FIN-48601 Karhula (FI).
- (81) BR CA JP NO US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19561** (13) A1
(21) PCT/EP98/06652
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 9703769-1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)

(72, 75) **GUSTAFSSON, Stefan** [SE/SE]; Trettondagsvägen 12, S-352 61 Växjö (SE). **SVENSSON, Roland** [SE/SE]; Apelvägen 18, S-330 17 Rydaholm (SE).

(74) **AWAPATENT AB**; P.O. Box 5117, S-200 71 Malmö (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19564** (13) A1

(21) PCT/US98/06362

(22) **1 Apr/avr 1998 (01.04.1998)**

(25) en (26) en

(31) 08/948,693 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **D21F 7/10, 1/00**

(54) ● MULTI-LAYER SEAMED FELT WITH AT LEAST TWO OFFSET SEAMS
● FEUTRE A JOINTURES MULTICOUCHE AYANT AU MOINS DEUX JOINTURES DECALEES

(71) **ASTEN, INC.** [US/US]; 4399 Corporate Road, P.O. Box 118001, Charleston, SC 29423-8001 (US).

(72) **TOWNLEY, Glenn, C.**; 113 Terrence Court, Greer, SC 29650 (US).

(74) **VOLPE, Anthony, S.** et al. / etc.; Volpe and Koenig, P.C., 400 One Penn Center, 1617 John F. Kennedy Boulevard, Philadelphia, PA 19103 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19565** (13) A1

(21) PCT/FI98/00799

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 973952 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **D21G 1/02**

(54) ● METHOD FOR MANUFACTURE OF A CALENDER ROLL PROVIDED WITH AN ELASTIC COATING AND CALENDER ROLL MANUFACTURED IN ACCORDANCE WITH THE METHOD

● PROCEDE DE FABRICATION D'UN CYLINDRE DE CALANDRE COMPORTANT UN REVETEMENT ELASTIQUE, ET CYLINDRE DE CALANDRE FABRIQUE SELON LE PROCEDE

(71) **VALMET CORPORATION** [FI/FI]; Panuntie 6, FIN-00620 Helsinki (FI).
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(72, 75) **KOIVUKUNNAS, Pekka** [FI/FI]; Kauhavan-kuja 5, FIN-04430 Järvenpää (FI). **VILJANMAA, Mika** [FI/FI]; Otsolahdentie 18 A 6, FIN-02110 Espoo (FI).

(74) **FORSSEN & SALOMAA OY**; Yrjönkatu 30, FIN-00100 Helsinki (FI).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19566** (13) A1

(21) PCT/IT97/00266

(22) **28 Oct/oct 1997 (28.10.1997)**

(25) en (26) en

(31) UD97A000181 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IT

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E01C 7/35, 19/17, C04B 18/14, 14/36**

(54) ● METHOD AND COMPOSITION FOR ROUGHENING THE ROAD SURFACE
● PROCEDE ET COMPOSITION PERMETTANT DE RENDRE RUGUEUX UN REVETEMENT ROUTIER

(71) **ITALGRIP S.R.L.** [IT/IT]; Via Machiavelli, 7, I-34132 Trieste (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPINOGLIO, Silvio** [IT/IT]; Via Machiavelli, 7, I-34132 Trieste (IT).

(74) **D'AGOSTINI, Giovanni**; D'Agostini Organizzazione S.R.L., Via G. Giusti, 17, I-33100 Udine (IT).

(81) AU CA CN CZ EE HU IL IS LT MX NO NZ PL RO RU SI SK TR UA US YU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19567** (13) A1

(21) PCT/GB98/03047

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721643.6 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(31) 9725180.5 (32) **28 Nov/nov 1997 (28.11.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E01C 13/06, 21/00**

(54) ● SYNTHETIC SURFACES
● SURFACES SYNTHETIQUES

(71, 72) **COLLINS, Martin** [GB/GB]; Martin Collins Enterprises Limited, Cuckoo Copse, Lambourne Woodlands, Nr Hungerford, Berks RG17 7TJ (GB).

(74) **SHAW, Laurence**; Laurence Shaw & Associates, 5th floor, Metropolitan House, 1 Hagley Road, Edgbaston, Birmingham B16 8TG (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19568** (13) A1

(21) PCT/US98/21743

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,378 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E01C 19/26, E04G 21/08**

(54) ● APPARATUS AND METHOD FOR PREPARING A SITE AND FINISHING POURED CONCRETE
● APPAREIL ET PROCEDE DE PREPARATION D'UN CHANTIER ET DE FINITION DE BETON COULE

(71, 72) **MUNOZ, Armando, G.** [US/US]; 289 West Land Way, Marietta, GA 30064 (US).

(74) **COURSEY, R., Stevan**; Troutman Sanders LLP, Suite 5200, 600 Peachtree Street, Atlanta, GA 30308 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19569** (13) A1

(21) PCT/US98/21393

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/947,589 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E01C 23/18**

(54) ● SYSTEM FOR INSTALLING RAISED ROAD MARKERS
● SYSTEME D'INSTALLATION DE MARQUES ROUTIERES SURELEVEES

(71, 72) **GREEN, John, L.** [US/US]; 667 Cain Lk. Road, Sedro Woolley, WA 98284 (US).

(74) **PAULY, Joan, H.** et al. / etc.; Barnard & Pauly, P.S., P.O. Box 58888, Seattle, WA 98138-1888 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19570** (13) A1

(21) PCT/US98/21196

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/061,595 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E02B 15/08**

(54) ● METHOD AND APPARATUS FOR CONTROLLING SUSPENDED PARTICULATES OR MARINE LIFE
● PROCÉDE ET APPAREIL SERVANT A LIMITER LE MOUVEMENT DE PARTICULES OU DE VIE MARINE EN SUSPENSION

(71) **GUNDERBOOM, INC.** [US/US]; Suite 103, 400 L Street, Anchorage, AK 99501 (US).

(72) **GUNDERSON, William, F., III**; 21 Skyline Place, Astoria, OR 97103 (US). **DREYER, Harold, B.**; 9600 Arlene Drive, Anchorage, AK 99515 (US). **NOTTINGHAM, Dennis**; 2107 Sorbus Way, Anchorage, AK 99508 (US).

(74) **MERKEL, Edwin, V.** et al. / etc.; Nixon, Hargrave, Devans & Doyle LLP, Clinton Square, P.O. Box 1051, Rochester, NY 14603 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19571** (13) A1

(21) PCT/EP98/06215

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 197 45 489.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E02F 9/22**

(54) ● SYSTEM FOR CONTROLLING, INDEPENDENTLY OF LOAD PRESSURE, AND HOLDING THE LOAD OF A PLURALITY OF ROTATIONAL AND/OR TRANSLATIONAL USERS

● SYSTEME DE COMMANDE INDEPENDANTE DE LA PRESSION DE LA CHARGE ET DE MAINTIEN DE LA CHARGE DE PLUSIEURS CONSOMMATEURS DE ROTATION ET/OU DE TRANSLATION

(71) **O & K ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT** [DE/DE]; Karl-Funke-Strasse 30, D-44149 Dortmund (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BÖSEBECK, Volker** [DE/DE]; Friedrichs-trasse 21, D-59174 Kamen (DE). **HOLTMANN, Michael** [DE/DE]; An der Marienlinde 18, D-48291 Telgte (DE).

(74) **MEINKE, Julius** et al. / etc.; Westenhellweg 67, D-44137 Dortmund (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19572** (13) A1

(21) PCT/DK97/00436

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E04B 1/82**

(54) ● METHOD OF MANUFACTURING A SANDWICH BOARD AND A BOARD AND STRUCTURE MANUFACTURED BY THE METHOD
● PROCÉDE DE FABRICATION D'UN PANNEAU-SANDWICH, PANNEAU ET STRUCTURE FABRIQUÉS SELON LEDIT PROCÉDE

(71, 72) **STRANDGAARD, Christian** [DK/DK]; Lindevej 9, DK-3500 Vaerloese (DK).

(74) **HOFMAN-BANG & BOUTARD, LEHMANN & REE A/S**; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19573** (13) A1

(21) PCT/US98/21281

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,112 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E04B 2/00, E04C 5/04**

(54) ● LOAD-BEARING STRUCTURAL PANEL AND STUCCO SUBSTRATE, AND BUILDING WALL CONTAINING THE SAME
● PANNEAU STRUCTUREL PORTEUR AVEC SUBSTRAT DE STUCC, ET MUR DE CONSTRUCTION AINSI CONSTITUE

(71, 72) **GALLAWAY, James, Frank** [US/US]; 28610 Bridgewater Lane, Menifee, CA 92584 (US).

(74) **DARROW, Christopher** et al. / etc.; Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067 (US).

(81) CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19574** (13) A1

(21) PCT/FR98/02176

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) fr (26) fr

(31) 97/12620 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E04B 2/74, E04C 2/20**

(54) ● MODULAR PANEL FOR MODULAR PARTITIONS AND USE
● PANNEAU MODULABLE POUR CLOISONS MODULAIRES ET SON UTILISATION

(71) **OPIFEX** [FR/FR]; 11, rue du Moulin, Echenon, F-21170 Saint Jean de Losne (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CRESPO, Andres, Luis** [FR/FR]; 14, rue Georges Guynemer, F-94460 Ormesson (FR). **ROUSSEAU, Jean, Jules, Albert** [FR/FR]; Route de Flagey, Villers Rotin, F-21130 Auxonne (FR).

(74) **GUTMANN, Ernest** et al. / etc.; Ernest Gutmann-Yves Plasseraud S.A., 3, rue Chauveau-Lagarde, F-75008 Paris (FR).

(81) BR CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19575** (13) A1

(21) PCT/US97/18574

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E04C 3/02, E04B 1/343**

(54) ● ADJUSTABLE TRUSS
● FERME REGLABLE

(71, 72) **SILVER, Daniel, J.** [US/US]; Apartment 3L, 3 Sheridan Square, New York, NY 10014 (US).

(74) **FLINTOFT, Gerald, J.** et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) JP; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19576** (13) A1

(21) PCT/FI97/00628

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E04C 3/04, B21D 47/04**

(54) ● AUTOMATIC METHOD AND APPARATUS FOR JOINING SEPARATE PLATE PARTS INTO A BEAM
● PROCÉDE ET APPAREIL D'ASSEMBLAGE AUTOMATIQUE DE PLAQUES SEPARÉES DE SORTE QU'UNE POUTRE SOIT FORMÉE

(71) **STEEL-INVEST OY LTD.** [FI/FI]; Rahtitie 4, FIN-60100 Seinäjoki (FI).

(71, 72) **HAUTA-AHO, Seppo** [FI/FI]; Tuomikuja 7, FIN-60100 Seinäjoki (FI).

(81); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19577** (13) A1
 (21) PCT/US98/14907
 (22) **15 Jul/juil 1998 (15.07.1998)**
 (25) en (26) en
 (31) 08/950,343 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04C 3/07, 3/11**
 (54) ● STRUCTURAL SHAPE FOR USE IN FRAME CONSTRUCTION
 ● PROFILE DE CONSTRUCTION UTILISABLE DANS UNE CONSTRUCTION A OSSATURE
 (71) **BETHLEHEM STEEL CORPORATION** [US/US]; 1170 Eighth Avenue, Bethlehem, PA 18016-7699 (US).
 (72) **LARSON, Jay, W.**; 3810 Sydna Street, Bethlehem, PA 18017 (US).
 (74) **MASTELLER, Harold, I., Jr.**; Martin Tower, Room 1969, 1170 Eighth Avenue 1969, Bethlehem, PA 18016-7699 (US).
 (81) AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19578** (13) A1
 (21) PCT/US97/18460
 (22) **14 Oct/oct 1997 (14.10.1997)**
 (25) en (26) en
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04C 5/08, B65H 81/00**
 (54) ● REINFORCED CONCRETE STRUCTURES AND METHOD AND APPARATUS FOR PRODUCING SAME
 ● STRUCTURES EN BETON ARME, PROCEDE ET APPAREIL UTILISES POUR LEUR PRODUCTION
 (63) US 08/441,386 (CIP) 15 May/mai 1995 (15.05.1995)
 (71, 72) **POLICELLI, Frederick, J.** [US/US]; 4891 Wallace Lane, Salt Lake City, UT 84117 (US).
 (74) **MALLINCKRODT, Philip, A.**; Mallinckrodt & Mallinckrodt, Suite 510, 10 Exchange Place, Salt Lake City, UT 84111 (US).
 (81) NO US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19579** (13) A1
 (21) PCT/GB98/03037
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 9721622.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04D 1/16**
 (54) ● PLAIN ROOF TILES
 ● TUILES DE COUVERTURE PLATES
-
- (71) **SCOTT (TOOMEBRIDGE) LIMITED** [GB/GB]; 7 Creagh Road, Toomebridge, County Antrim BT41 3SD (GB).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BAMBER, Barry, Hugh** [GB/GB]; Drumlickney, Buckna Road, Broughshane, County Antrim BT42 4NJ (GB). **FIFIELD, John, Alfred** [GB/GB]; 25 Allonby Way, Aylesbury, Buckinghamshire HP21 7JA (GB).
 (74) **CUMMINGS, Sean, Patrick**; David Keltie Associates, 12 New Fetter Lane, London EC4A 1AP (GB).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19580** (13) A1
 (21) PCT/ES98/00278
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) es (26) es
 (31) P 9702103 (32) **10 Oct/oct 1997 (10.10.1997)** (33) ES
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04D 13/03**
 (54) ● SYSTEM TAKING ADVANTAGE OF THE FREE ALVEOLES OF SKYLIGHT PANELS BY MEANS OF INDEPENDENT PLATES
 ● SYSTEME PERMETTANT DE TIRER PROFIT DES ALVEOLES LIBRES DES PANNEAUX DE LANTERNEAU AU MOYEN DE PLAQUES INDEPENDANTES
 (71, 72) **GARCIA MEDINA, Alejandro** [ES/ES]; Bogotá, 52, 5° E, E-35010 Las Palmas de Gran Canaria (ES).
 (74) **TRIGO PECES, José Ramón**; Gran Vía, 40, 5°-4, E-28013 Madrid (ES).
 (81) AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19581** (13) A1
 (21) PCT/EP97/06008
 (22) **30 Oct/oct 1997 (30.10.1997)**
 (25) de (26) de
 (31) 297 18 720.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04F 10/00**
 (54) ● BUILDING CANOPY
 ● AUVENT DE BATIMENT
 (71) **GEMILUX WINTERGÄRTEN GERHARD MISCHE GMBH** [DE/DE]; Trifte 61, D-32657 Lemgo (DE).
(for all designated States except / pour tous les États désignés sauf US)
-
- (72, 75) **MISCHE, Gerhard** [DE/DE]; Hamelner Strasse 134 a, D-32657 Lemgo (DE).
 (74) **HANEWINKEL, Lorenz**; Ferrariweg 17 a, D-33102 Paderborn (DE).
 (81) US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19582** (13) A1
 (21) PCT/AU98/00859
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 41025/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
 (31) PP 4297 (32) **24 Jun/juin 1998 (24.06.1998)** (33) AU
 (31) PP 5614 (32) **1 Sep/sep 1998 (01.09.1998)** (33) AU
 (31) PP 5677 (32) **3 Sep/sep 1998 (03.09.1998)** (33) AU
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04G 3/04, 3/10, 5/06, 7/12**
 (54) ● BARRIERS AND BARRIER SYSTEMS AND COMPONENTS FOR BARRIER SYSTEMS
 ● BARRIERES, SYSTEMES DE BARRIERES ET ELEMENTS DE SYSTEMES DE BARRIERES
 (71) **DON THOMAS PTY. LTD.** [AU/AU]; 4 Alexander Street, Caloundra, QLD 4551 (AU).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **THOMAS, Donald, Harrison** [AU/AU]; 4 Alexander Street, Caloundra, QLD 4551 (AU).
 (74) **AHEARNS**; G.P.O. Box 1149, Brisbane, QLD 4001 (AU).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19583** (13) A1
 (21) PCT/FI98/00798
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) fi (26) en
 (31) 973962 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FI
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **E04G 21/16, B66F 11/04**
 (54) ● DEVICE FOR INSTALLING LIGHT-WEIGHT PANEL UNITS
 ● DISPOSITIF SERVANT A INSTALLER DES UNITES DE PANNEAUX LEGERS
 (71, 72) **INKEROINEN, Jukka** [FI/FI]; Isoniityntie 17, FIN-21600 Parainen (FI).
 (74) **PATENTTITOIMISTO KARI PIIRHONEN OY**; P.O. Box 71, FIN-20101 Turku (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19584** (13) A1

(21) PCT/US98/20286

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/947,791 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05B 17/22, H01H 3/16, B60S 1/58, E05B 47/00**

(54) ● BI-DIRECTIONAL SWITCH FOR ACTIVATING AUTOMOTIVE LIFTGATE LOCK MECHANISM

● COMMUTATEUR BIDIRECTIONNEL PERMETTANT D'ACTIVER LE MECANISME DE VERROUILLAGE D'UN HAYON DE VEHICULE AUTOMOBILE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Autoclub Drive, Dearborn, MI 48126 (US).

(72) **SAUERBREY, Steven, S.**; 36446 Quakertown Road, Farmington Hills, MI 48331 (US). **HUANG, Shuxian**; 24320 Woodham Road, Novi, MI 48374 (US). **MCLEAN, Gerald, S.**; 38572 Ross Street, Livonia, MI 48154 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19585** (13) A1

(21) PCT/EP98/05597

(22) **3 Sep/sep 1998 (03.09.1998)**

(25) de (26) de

(31) 197 45 149.7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05B 49/00**

(54) ● CLOSING DEVICE, IN PARTICULAR FOR MOTOR VEHICLES

● DISPOSITIF DE FERMETURE, EN PARTICULIER POUR VEHICULES AUTOMOBILES

(71) **HUF HÜLSBECK & FÜRST GMBH & CO. KG** [DE/DE]; Steeger Strasse 17, D-42551 Velbert (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KEMMANN, Harald** [DE/DE]; Unterer Eickeshagen 5a, D-42555 Velbert (DE). **LANGE, Stefan** [DE/DE]; Südstrasse 30, D-42551 Velbert (DE). **VAN DEN BOOM, Andreas** [DE/DE]; Mühlkamp 35, D-45309 Essen (DE).

(74) **MENTZEL, Norbert**; Kleiner Werth 34, D-42775 Wuppertal (DE).

(81) BR JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (b)

(11) **WO 99/19586** (13) A1

(21) PCT/EP98/06287

(22) **2 Oct/oct 1998 (02.10.1998)**

(25) fr (26) fr

(31) 97117767.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05B 49/00, G08B 29/18**

(54) ● LOCK MANAGING A PARAMETER RELATED TO THE SURROUNDINGS

● SERRURE GERANT L'EVOLUTION D'UN PARAMETRE LIE A L'ENVIRONNEMENT

(71) **ILCO-UNICAN S.A.** [CH/CH]; Rehlor Division, Rue du Locle 74, CH-2300 La Chaux-de-Fonds (CH).

(72) **PELLATON, Pierre**; Marais 28, CH-2400 Le Locle (CH). **DOMINÉ, Didier**; Jacob-Brandt 6, CH-2300 La Chaux-de-Fonds (CH).

(74) **I. C. B.**; Ingénieurs Conseils en Brevets S.A., Rue des Sors 7, CH-2074 Marin (CH).

(81) BR CA SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19587** (13) A1

(21) PCT/FR98/02202

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) fr (26) fr

(31) 97/12835 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05B 63/06, B66B 13/20, 13/18**

(54) ● FAIL SAFE LOCK, IN PARTICULAR FOR ELEVATING DEVICE LANDING DOOR

● SERRURE A SECURITE POSITIVE, NOTAMMENT POUR PORTE PALIERE D'APPAREILS ELEVATEURS

(71, 72) **PRUDHOMME, Dominique** [FR/FR]; 74, rue Saint Louis en l'Isle, F-75004 Paris (FR).

(74) **COSTANTINI, Paul**; 18, rue Rabelais, F-91800 Brunoy (FR).

(81) BR CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19588** (13) A1

(21) PCT/EP98/05951

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) de (26) de

(31) 197 45 569.7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05D 7/04**

(54) ● MOUNTING FOR FASTENING PINS OF A WINDOW, DOOR OR FURNITURE HINGE

● SUPPORT POUR BROCHE DE FIXATION D'UNE CHARNIERE DE FENETRE, DE PORTE OU DE MEUBLE

(71) **SFS INDUSTRIE HOLDING AG** [CH/CH]; Nefenstrasse 30, CH-9435 Heerbrugg (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OESTERLE, Helmut** [AT/AT]; Langäckerweg 7, A-6800 Feldkirch (AT).

(74) **LUDESCHER, Hans**; SFS Stadler Gruppe, Patentabteilung, Nefenstrasse 30, CH-9435 Heerbrugg (CH).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19589** (13) A1

(21) PCT/US98/21902

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,568 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05D 15/28, 15/30, 15/40, 15/42, 15/56, E05F 11/24, 11/28**

(54) ● OPERATING ASSEMBLY FOR JALOUSIE WINDOW

● SYSTEME D'ACTIONNEMENT POUR PERSIENNE

(71) **SOSA ARCHITECTURAL METAL CORPORATION** [US/US]; Apartado 1319, Gurabo, Puerto Rico 00778 (US).

(72) **SOSA, Jesus, M.**; 1895 Orquidea Street, Urband Santa Maria, Rio Piedras, Puerto Rico 00927 (US).

(74) **GRIBOK, Stephan, P.**; Eckert Seamans Cherin & Mellott, Suite 3232, Philadelphia, PA 19103 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19590** (13) A1

(21) PCT/DE98/03047

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) de (26) de

(31) 297 18 396.6 (32) **16 Oct/oct 1997 (16.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05F 15/16**

(54) ● GATE DRIVE MECHANISM

● MECANISME DESTINE A DES BATTANTS DE PORTES

(71) **HÖRMANN KG ANTRIEBSTECHNIK** [DE/DE]; Carl-Bosch-Strasse 1, D-33790 Halle (DE).
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(72, 75) **HÖRMANN, Thomas, J.** [DE/DE]; Am Schlaufenglan 33, D-66606 St. Wendel (DE).

(74) **FLÜGEL, Otto**; Postfach 81 05 06, D-81905 München (DE).

(81) CA CN CZ HU NO PL RU SK UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19591** (13) A1

(21) PCT/GB98/03084

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 9721844.0 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E05G 7/00, 1/00, A47G 29/22**

(54) ● SECURITY DEVICE
● DISPOSITIF DE SECURITE

(71, 72) **REARDON, Neill, Philip** [GB/GB]; 19 Marquis Drive, Halesowen, West Midlands B62 8TE (GB).

(74) **SHAW, Laurence**; Laurence Shaw & Associates, 5th floor, Metropolitan House, 1 Hagley Road, Edgbaston, Birmingham B16 8TG (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19592** (13) A1

(21) PCT/US98/21092

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/947,608 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E06B 9/34, B31D 3/02, E06B 9/262, B29C 65/00**

(54) ● FABRIC VENETIAN BLIND AND METHOD OF FABRICATION
● STORE VENITIEN EN TEXTILE ET PROCEDE DE FABRICATION

(71) **COMFORTEX CORPORATION** [US/US]; 21 Elm Street, Watervliet, NY 12189 (US).

(72) **COREY, John, A.**; 2556 River Road, Melrose, NY 12121 (US).

(74) **GRAUER, Richard, D.**; Rader, Fishman & Grauer PLLC, Suite 140, 1533 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19593** (13) A2

(21) PCT/US98/21721

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,058 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B**

(54) ● FEED SYSTEM FOR A ROTARY DRILL TOWER
● SYSTEME D'AVANCE AUTOMATIQUE POUR FORAGE ROTARY

(71) **INGERSOLL-RAND COMPANY** [US/US]; 200 Chestnut Ridge Road, Woodcliffe Lake, NJ 07675 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORRIS, James, E.** [US/US]; 10726 Longmeadow Court, Dallas, TX 75238 (US). **PRECOPIA, Steven, M.** [US/US]; 125 Jessica Drive, Garland, TX 75045 (US). **HOWELL, Gary, W.** [US/US]; P.O. Box 451272, Garland, TX 75045 (US).

(74) **WATKINS, Mark, A.** et al. / etc.; Oldham & Oldham Co., L.P.A., 1225 West Market Street, Akron, OH 44313-7188 (US).

(81) AU CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19594** (13) A1

(21) PCT/US98/21964

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,122 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,229 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,234 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,235 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,230 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,231 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 08/951,221 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 4/04, 47/01, G01V 1/40**

(54) ● OIL TOOL
● OUTIL DE FORAGE PETROLIER

(71) **PRIME DIRECTIONAL SYSTEMS, LLC** [US/US]; 1125 Highway 90 East, Broussard, LA 70518-6155 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ROUNTREE, Steven, P.** [US/US]; 101 Thornwood, Lafayette, LA 70503 (US). **BROUSSARD, Joan, B.** [US/US]; 1023 Parker Road, St. Martinville, LA 70582 (US). **TAMPORELLO, Angelo, J.** [US/US]; 11407 Highway 182, Franklin, LA 70538 (US). **WILEY, Terry, B.** [US/US]; 220 Shekel Drive, Lafayette, LA 70508 (US).

(74) **KIESEL, William, David** et al. / etc.; Roy, Kiesel & Tucker, A PLC, P.O. Box 15928, Baton Rouge, LA 70895-5928 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19595** (13) A1

(21) PCT/US97/18486

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 7/06**

(54) ● METHOD AND SYSTEM FOR DRILLING UNDERBALANCED RADIAL WELLS UTILIZING A DUAL STRING TECHNIQUE IN A LIVE WELL
● PROCEDE ET SYSTEME DE FORAGE DE PUITS RADIAUX DESEQUILIBRES AU MOYEN D'UNE TECHNIQUE A DOUBLE COLONNE DE FORAGE DANS UN PUITS ACTIF

(71, 72) **GARDES, Robert** [US/US]; P.O. Box 92503, Lafayette, LA 70509 (US).

(74) **SMITH, Gregory**; Pravel, Hewitt, Kimball & Krieger, 10th floor, 1177 West Loop South, Houston, TX 77027 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19596** (13) A2

(21) PCT/EP98/06493

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) PE97A000022 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IT

(31) 9804020.7 (32) **25 Feb/fév 1998 (25.02.1998)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 7/08, 10/46, 6/00, 36/00, 7/28**

(54) ● DIRECTIONAL DRILLING TOOL
● OUTIL A PERCER DIRECTIONNEL

(71) **SE S.R.L.** [IT/IT]; Corso Vittorio Emanuele, 93, I-66026 Ortona (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ESPOSITO, Giuseppe** [IT/IT]; Corso Vittorio Emanuele, 93, I-66026 Ortona (IT).

(74) **ELKINGTON AND FIFE**; Prospect House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19597** (13) A1

(21) PCT/US98/21363

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,808 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 10/18**

(54) ● **ROCK BIT WITH IMPROVED NOZZLE PLACEMENT**
● **TREPAN A MOLETTE A DISPOSITION DE TUYERE AMELIOREE**

(71) **DRESSER INDUSTRIES, INC.** [US/US]; Suite 4100, 2001 Ross Avenue, Dallas, TX 75201 (US).

(71, 72) **CLYDESDALE, Graham, MacDonald** [GB/GB]; Cliff Cottage, Rocklands Road, Aberdeen AB15 9JS (GB). **HUFFSTUTLER, Alan, Dee** [US/GB]; 41 Quarry Road, Aberdeen AB15 9TP (GB). **CAMPOS, Harry, Morales, Jr.** [US/US]; 3641 Ridgewood Drive, Grand Prairie, TX 75052 (US). **SPATZ, Edward, Charles** [US/US]; 3445 Haynie, Dallas, TX 75205 (US). **TSO, Lawrence, Lee** [US/US]; 125 Brisbane Court, Glenn Heights, TX 75154 (US).

(74) **FELGER, Thomas, R.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19598** (13) A1

(21) PCT/EP98/06646

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97203211.4 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 17/046, F16D 1/112, B23B 31/113**

(54) ● **COUPLING FOR FORCE-TRANSMITTING DEVICE**
● **ACCOUPEMENT POUR DISPOSITIF A TRANSMISSION DE FORCES**

(71) **"DIAMANT BOART", SOCIETE ANONYME** [BE/BE]; Avenue du Pont de Luttre 74, B-1190 Bruxelles (BE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PIRLET, Jacques** [BE/BE]; Avenue beau séjour 15, B-1410 Waterloo (BE).

(74) **CALLEWAERT, J.**; Brusselsesteenweg 108, B-3090 Overijse (BE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19599** (13) A1

(21) PCT/US98/20863

(22) **5 Oct/oct 1998 (05.10.1998)**

(25) en (26) en

(31) 08/947,622 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 17/07, 31/113**

(54) ● **GAS-FILLED ACCELERATOR**
● **ACCELERATEUR A GAZ**

(71) **DAILEY INTERNATIONAL INC.** [US/US]; 2507 N. Frazier, Conroe, TX 77303 (US).

(72) **EVANS, Robert, W.**; 12439 Lakeview Drive, Montgomery, TX 77356 (US).

(74) **KEVILLE, John, R.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).

(81) AU CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19600** (13) A1

(21) PCT/US98/09623

(22) **12 May/mai 1998 (12.05.1998)**

(25) en (26) en

(31) 08/950,525 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 17/10, 33/138**

(54) ● **METHOD FOR DRILLING A WELL IN UNCONSOLIDATED AND/OR ABNORMALLY PRESSURED FORMATIONS**
● **PROCEDE DE FORAGE D'UN PUIT DANS DES FORMATIONS NON CONSOLIDEES ET/OU ANORMALEMENT COMPRIMEES**

(63) US 08/950,525 (CON)
14 Oct/oct 1997 (14.10.1997)

(71) **PHILLIPS PETROLEUM COMPANY** [US/US]; 4th and Keller, Bartlesville, OK 74004 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SOYBEL, Joshua, Richard** [US/US]; 4119 Kirkwall Court, Sugar Land, TX 77479 (US). **OM-SBERG, Norman, Paul** [US/US]; 6006 Gideon Court, Sugar Land, TX 77479 (US).

(74) **WEST, Paul, B.**; Ladass & Parry, 26 West 61st Street, New York, NY 10023 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19601** (13) A1

(21) PCT/GB98/03058

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721537.0 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 33/05**

(54) ● **AN APPARATUS AND A METHOD FOR LAUNCHING PLUGS**
● **PROCEDE ET DISPOSITIF DE POSE DE BOUCHON**

(71) **WEATHERFORD/LAMB, INC.** [US/US]; c/o CSC - The United States of Corporation Company, 1013 Centre Road, Wilmington, DE 19805 (US). **LUCAS, Brian, Ronald** [GB/GB]; 135 Westhall Road, Warlingham, Surrey CR6 9HJ (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BUDEDE, Peter** [NL/NL]; Waterleidingstrasse 1, NL-3134 KS Vlaardingen (NL). **VEERSTEEG, Guus** [NL/NL]; Meidoorn 6, NL-3171 NB Poortugal (NL).

(74) **LUCAS, Brian, Ronald**; Lucas & Co., 135 Westhall Road, Warlingham, Surrey CR6 9HJ (GB).

(81) AU CA CN JP NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19602** (13) A2

(21) PCT/GB98/03045

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721496.9 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **E21B 34/10, 34/06**

(54) ● **DOWNHOLE VALVE**

● **VALVE POUR FORATION DESCENDANTE**

(71) **OCRE (SCOTLAND) LIMITED** [GB/GB]; 12 Broadfold Road, Bridge of Don, Aberdeen AB23 8EE (GB).
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(72, 75) **FRENCH, Clive, John** [GB/GB]; 60 St. Swinth Street, Aberdeen AB1 6XJ (GB).

(74) **McCALLUM, William, Potter** et al. / etc.; Cruikshank & Fairweather, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19603** (13) A1
(21) PCT/GB98/03007
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) en (26) en
(31) 9721400.1 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **E21D 9/00**
(54) ● **ARCHED SUPPORT STRUCTURE**
● **STRUCTURE DE SUPPORT CINTREE**
(71, 72) **THOMSON, James, Crawford** [GB/CH]; International Centre Cointtrin, Case postale 1829, CH-1215 Geneva 15 (CH).
(74) **BAILEY WALSH & CO.**; 5 York Place, Leeds LS1 2SD (GB).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19604** (13) A1
(21) PCT/EP98/06517
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) MI97A002328 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **E21D 11/10, G05B 11/30**
(54) ● **AUTOMATIC CONTROL SYSTEM FOR A CONCRETE DISTRIBUTING PIPE IN TUNNEL LINING**
● **SYSTEME DE COMMANDE AUTOMATIQUE POUR CONDUIT DE DISTRIBUTION DE BETON POUR REVETEMENT DE TUNNEL**
(71) **CIFA S.P.A.** [IT/IT]; Viale Rimembranze, 2, I-20026 Novate Milanese (IT).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **ARPINI, Roberto** [IT/IT]; Via Como, 1/B, I-22070 Rovello Porro (IT). **MORETTI, Giorgio** [IT/IT]; Via Clerici, I-21040 Gerenzano (IT).
(74) **VATTI, Paolo** et al. / etc.; Fumero Studio Consulenza Brevetti S.n.c., Via S. Agnese, 12, I-20123 Milano (IT).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/19605** (13) A1
(21) PCT/US98/21431
(22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
(31) 08/950,993 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F01C 1/07, 5/04, F03C 2/08, F04C 2/107, 5/00**
(54) ● **IMPROVED STATOR ESPECIALLY ADAPTED FOR USE IN A HELICOIDAL PUMP/MOTOR**
● **STATOR AMELIORE SPECIALEMENT ADAPTE POUR ETRE UTILISE DANS UNE POMPE OU UN MOTEUR HELICOIDAL**
(71) **APS TECHNOLOGY, INC.** [US/US]; 800 Corporate Row, Cromwell, CT 06416 (US).
(72) **TURNER, William, E.**; 2081 Dennis Lane, Bethlehem, PA 18015 (US).
(74) **HEIST, Dale, M.** et al. / etc.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).
(81) CA CN DE GB JP MX NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19606** (13) A1
(21) PCT/AU98/00848
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) PO 9812 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F01C 1/10, F04C 2/10, 18/10**
(54) ● **A FLUID TRANSMISSION APPARATUS**
● **APPAREIL DE TRANSFERT DE FLUIDE**
(71, 72) **STANFORTH-SMITH, Gregory, Charles** [AU/AU]; Foster Glen, Foster Glen Road, Boyup Brook, W.A. 6224 (AU).
(74) **LORD, Kelvin, Ernest**; Lord & Company, 4 Douro Place, West Perth, W.A. 6005 (AU).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19607** (13) A1
(21) PCT/FR98/02117
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) fr (26) fr
(31) 97/12872 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F01C 1/44, 1/46, 1/36**
(54) ● **FOUR STROKE ORBITAL INTERNAL COMBUSTION ENGINE**
● **MOTEUR ORBITAL QUATRE TEMPS A COMBUSTION INTERNE**
(71, 72) **BOUIN, Emilien** [FR/FR]; Rue Louis Flachet, F-26100 Romans (FR). **BOINNOT, Patrick** [FR/FR]; Le Mooréa, 457, avenue des Ferrayonnes, F-06270 Villeneuve Loubet (FR).
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- (74) **BOUIN, Emilien**; Rue Louis Flachet, F-26100 Romans (FR).
(81) BR CA CN JP KR MX US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19608** (13) A1
(21) PCT/DE98/02941
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) de (26) de
(31) 197 45 272.8 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F01K 23/10**
(54) ● **GAS AND STEAM TURBINE INSTALLATION AND METHOD FOR OPERATING AN INSTALLATION OF THIS TYPE**
● **SYSTEME DE TURBINE A GAZ ET A VAPEUR ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE CE TYPE**
(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KRILL, Martin** [AT/DE]; Schlesierstrasse 24, D-63069 Offenbach (DE).
(74) **SIEMENS AG**; Postfach 22 16 34, D-80506 München (DE).
(81) CN ID JP KR RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19609** (13) A1
(21) PCT/EP98/05510
(22) **29 Aug/août 1998 (29.08.1998)**
(25) de (26) de
(31) 197 44 714.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F01L 9/04**
(54) ● **ELECTROMAGNETIC ACTUATOR FOR AC-TUATING A GAS-EXCHANGING VALVE**
● **ACTIONNEUR ELECTROMAGNETIQUE POUR L'ACTIONNEMENT D'UNE SOU-PAPE D'ECHANGE DE GAZ**
(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epples-trasse 225, D-70567 Stuttgart (DE).
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(72, 75) **GANDER, Hans** [DE/DE]; Steigweg 17, D-72574 Bad Urach (DE). **KIRSCHBAUM, Frank** [DE/DE]; Am alten Friedhof 1, D-70327 Stuttgart (DE). **STÖHR, Günter** [DE/DE]; Berle-burger Strasse 52, D-57072 Siegen (DE).
(74) **WEISS, Klaus** et al. / etc.; DaimlerChrysler AG, Intellectual Property Management, FTP, C106, D-70546 Stuttgart (DE).
(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19610** (13) A1
(21) PCT/EP98/06372

(22) 7 Oct/oct 1998 (07.10.1998)

(25) de (26) de

(31) 197 45 522.0 (32) 15 Oct/oct 1997 (15.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ FOIL 9/04, 1/24

(54) ● DEVICE FOR OPERATING A GAS SHUTTLE VALVE OF A RECIPROCATING INTERNAL COMBUSTION ENGINE

● DISPOSITIF POUR ACTIONNER UNE SOUPEPE D'ÉCHANGE GAZEUX D'UN MOTEUR A COMBUSTION INTERNE A PISTON ALTERNATIF

(71) DAIMLER-BENZ AKTIENGESELLSCHAFT [DE/DE]; Epplestrasse 225, D-70567 Stuttgart (DE).

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(72, 75) STOLK, Thomas [DE/DE]; Milcherbergstrasse 41, D-73230 Kirchheim (DE).

(74) WEISS, Klaus et al. / etc.; Daimler-Benz Aktiengesellschaft, FTP - C 106, D-70546 Stuttgart (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19611 (13) A1

(21) PCT/SE98/01828

(22) 9 Oct/oct 1998 (09.10.1998)

(25) sv (26) en

(31) 9703754-3 (32) 12 Oct/oct 1997 (12.10.1997) (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ FO1N 9/00, GO1N 27/407

(54) ● SYSTEM, SENSOR COMBINATION AND METHOD FOR REGULATING, DETECTING AS WELL AS DECIDING CURRENT FUEL-AIR RATIOS IN COMBUSTIONS ENGINES

● SYSTEME, ENSEMBLE DETECTEUR ET PROCEDE DE REGULATION, DETECTION ET DETERMINATION DU RAPPORT AIR-CARBURANT ACTUEL DANS LES MOTEURS A COMBUSTION INTERNE

(71) AB VOLVO [SE/SE]; S-405 08 Göteborg (SE). MECCEL AB [SE/SE]; P.O. Box 73, S-662 22 Åmål (SE).

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(72, 75) BARANZAH, Amir [SE/SE]; Andrénsväg 38, S-692 37 Kumla (SE). MÄRTENSSON, Per [SE/SE]; Hjälmåsätsgatan 2A, S-532 35 Linköping (SE). GÖRAS, Anders [SE/SE]; Årjängsgatan 23, S-662 30 Åmål (SE). SALOMONSSON, Per [SE/SE]; Landsvägsatan 21, S-413 04 Göteborg (SE).

(74) GRAUDUMS, Valdis et al. / etc.; Albihns Patentbyrå Göteborg AB, P.O. Box 142, S-401 22 Göteborg (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/19612 (13) A1

(21) PCT/GB98/02754

(22) 11 Sep/sep 1998 (11.09.1998)

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(31) 9721313.6 (32) 9 Oct/oct 1997 (09.10.1997) (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F02B 17/00

(54) ● GASOLINE INTERNAL COMBUSTION ENGINE

● MOTEUR A COMBUSTION INTERNE A ESSENCE

(71) FORD GLOBAL TECHNOLOGIES, INC. [US/US]; Parklane Towers East, Suite 911, Parkland Boulevard, Dearborn, MI 48136 (US).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) MA, Thomas, Tsoi-Hei [GB/GB]; 1 Collingwood Road, South Woodham Ferrers, Chelmsford, Essex CM3 5BY (GB).

(74) MESSULAM, Alec, Moses; A. Messulam & Co., 24 Broadway, Leigh on Sea, Essex SS9 1BN (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19613 (13) A1

(21) PCT/SE98/01793

(22) 5 Oct/oct 1998 (05.10.1998)

(25) sv (26) en

(31) 9703679-2 (32) 9 Oct/oct 1997 (09.10.1997) (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F02B 37/02

(54) ● TURBO-CHARGED INTERNAL COMBUSTION ENGINE

● MOTEUR A COMBUSTION INTERNE DOTE D'UN TURBOCOMPRESSEUR

(71) AB VOLVO [SE/SE]; S-405 08 Gothenburg (SE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) ZANDER, Lennarth [SE/SE]; Torggatan 74, S-431 35 Mölndal (SE). MARTINSSON, Ingemar [SE/SE]; Båtsman Lustigs gata 114, S-422 57 Hisings Backa (SE). GISELMO, Kent [SE/SE]; Sidensvangatan 25, S-235 38 Vellinge (SE).

(74) HELLBOM, Lars et al. / etc.; Albihns Patentbyrå Stockholm AB, P.O. Box 3137, S-103 62 Stockholm (SE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19614 (13) A1

(21) PCT/US98/21666

(22) 15 Oct/oct 1998 (15.10.1998)

(25) en (26) en

(31) 60/061,863 (32) 15 Oct/oct 1997 (15.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F02D 13/04

(54) ● SLAVE PISTON ASSEMBLY WITH VALVE MOTION MODIFIER

● ENSEMBLE PISTON ASSERVI AVEC MODIFICATEUR DE MOUVEMENT DES SOUPAPES

(71) DIESEL ENGINE RETARDERS, INC. [US/US]; Suite 105, 509 Silverside Road, Wilmington, DE 19809 (US).

(72) MEISTRICK, Zdenek; 78 Adams Road, Bloomfield, CT 06002 (US). PITZI, Vincent; 94 Highland Drive, South Windsor, CT 06074 (US).

(74) COYNE, Patrick, J.; Collier, Shannon, Rill & Scott, PLLC, Suite 400, 3050 K Street, N.W., Washington, DC 20007 (US).

(81) BR JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19615 (13) A1

(21) PCT/DE98/02599

(22) 2 Sep/sep 1998 (02.09.1998)

(25) de (26) de

(31) 197 45 536.0 (32) 15 Oct/oct 1997 (15.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F02D 41/20, 35/00, H01F 7/18, F01L 9/04

(54) ● METHOD FOR CONTROLLING AN ELECTROMECHANICAL ACTUATING DEVICE

● PROCEDE DE COMMANDE D'UN APPAREIL DE REGLAGE ELECTROMECANIQUE

(71) SIEMENS AKTIENGESELLSCHAFT [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).

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(72, 75) KOCH, Achim [DE/DE]; Isarstrasse 15, D-93105 Tegernheim (DE). ZINK, Hanspeter [DE/DE]; Schwandorferstrasse 8a, D-93059 Regensburg (DE).

(74) SIEMENS AKTIENGESELLSCHAFT; Postfach 22 16 34, D-80506 München (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) WO 99/19616 (13) A1

(21) PCT/FR97/01800

(22) 9 Oct/oct 1997 (09.10.1997)

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(51)⁶ F02D 41/34

(54) ● METHOD FOR PRODUCING A SYNCHRONISING SIGNAL FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE ELECTRONIC INJECTION SYSTEM

● PROCEDE POUR PRODUIRE UN SIGNAL DE SYNCHRONISATION PERMETTANT LE PILOTAGE D'UN SYSTEME D'INJECTION ELECTRONIQUE D'UN MOTEUR A COMBUSTION INTERNE

(71) RENAULT [FR/FR]; 34, quai du Point du Jour, F-92109 Boulogne Billancourt (FR).

(72) BOYARD, Yves-Marie; 5 bis, chemin du Baratage, F-91140 Bures sur Yvette (FR). COGNEVILLE, Francis; 151, rue Léon Maurice Nordmann, F-75013 Paris (FR). FERRI, Pascal; 10, boulevard du Général Ferrié, F-94100 Saint Maur des Fosses (FR).

(74) FERNANDEZ, Francis; Renault, Service 0267 - TPZ - OJ2 - 1 10, 860, quai de Stalingrad, F-92109 Boulogne Billancourt (FR).

(81) AL AU BA BB BG CA CN CU CZ EE GE HU IL IS KP LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19617** (13) A1

(21) PCT/US98/20527

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/947,710 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02F 1/16**

- (54) ● COUNTERBORED JOINT
- JOINT CHAMBRE

(71) **CATERPILLAR INC.** [US/US]; 100 N.E. Adams Street, Peoria, IL 61629-6490 (US).

(72) **BRUCE, Judson, R.**; 20704 N. Sequoia Cv., Chillicothe, IL 61523-9319 (US). **MARQUIS, Randy, L.**; 13707 Lucerne Drive, Dunlap, IL 61525-9618 (US).

(74) **HAMPSCH, Robert, J.** et al. / etc.; 100 N.E. Adams Street, Peoria, IL 61629-6490 (US).

(81) AU CA SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19618** (13) A1

(21) PCT/GB98/03060

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9721296.3 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02M 31/18**

- (54) ● INTERNAL COMBUSTION GASOLINE ENGINE
- MOTEUR A ESSENCE A COMBUSTION INTERNE

(71) **FORD GLOBAL TECHNOLOGIES, INC.** [US/US]; Parklane Towers East, Suite 911, Parkland Boulevard, Dearborn, MI 48136 (US). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MA, Thomas, Tsoi-Hei** [GB/GB]; 1 Collingwood Road, South Woodham Ferrers, Chelmsford, Essex CM3 5BY (GB).

(74) **MESSULAM, Alec, Moses**; A. Messulam & Co., 24 Broadway, Leigh-on-Sea, Essex SS9 1BN (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19619** (13) A1

(21) PCT/DE98/01628

(22) **16 Jun/juin 1998 (16.06.1998)**

(25) de (26) de

(31) 197 44 518.7 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02M 47/02**

- (54) ● FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

- SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DITTUS, Bernd** [DE/DE]; Am Reitweg 24, D-71732 Tamm (DE). **BOECKING, Friedrich** [DE/DE]; Mainzer Strasse 27, D-70499 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19620** (13) A1

(21) PCT/DE98/02134

(22) **28 Jul/juil 1998 (28.07.1998)**

(25) de (26) de

(31) 197 44 739.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02M 51/06**

- (54) ● FUEL INJECTION VALVE
- SOUPAPE D'INJECTION DE CARBURANT

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **REITER, Ferdinand** [DE/DE]; Burgweg 1, D-71706 Markgröningen (DE).

(81) BR CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19621** (13) A1

(21) PCT/DE98/02611

(22) **4 Sep/sep 1998 (04.09.1998)**

(25) de (26) de

(31) 197 44 577.2 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02M 59/46, F04B 53/10**

- (54) ● RADIAL PISTON PUMP FOR SUPPLYING FUEL AT HIGH PRESSURE

- POMPE A PISTONS RADIAUX POUR L'ALIMENTATION HAUTE PRESSION EN CARBURANT

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GÜNTERT, Josef** [DE/DE]; Bergheimer Weg 25, D-70839 Gerlingen (DE). **FREY, Hansjörg** [DE/DE]; Sandäckerstrasse 1, D-70469 Stuttgart (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(21) PCT/EP98/05682

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) de (26) de

(31) 197 45 124.1 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F02M 59/46, F16K 31/06**

- (54) ● ELECTRICALLY CONTROLLED VALVE
- SOUPAPE A COMMANDE ELECTRIQUE

(71) **DAIMLERCHRYSLER AG** [DE/DE]; Epplesstrasse 225, D-70567 Stuttgart (DE).

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(72, 75) **ESPEY, Christoph** [DE/DE]; Entengrabensstrasse 1, D-73728 Esslingen (DE).

(74) **DAHMEN, Toni** et al. / etc.; DaimlerChrysler AG, FTP - C 106, D-70546 Stuttgart (DE).

(81) BR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19623** (13) A2

(21) PCT/RU97/00325

(22) **10 Oct/oct 1997 (10.10.1997)**

(25) ru (26) ru

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F04B**

- (54) ● HYDRAULIC DIAPHRAGM PUMP
- POMPE HYDRAULIQUE A DIAPHRAGME

(71, 72) **RYABYKH, Boris Ivanovich** [RU/RU]; ul. Lenina, 259a, Poselok Iglino, 452410 (RU).

(74) **VOLKOVA, Elena Borisovna**; Ufimsky gosudarstvenny aviatsionny Tekhnicheskyy universitet, Patentnyy otdel, ul. K. Marxa, 12, Ufa, 450000 (RU).

(81) CA CN KE KZ UZ.

(11) **WO 99/19624** (13) A1

(21) PCT/EP98/06529

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) de (26) de

(31) 197 45 279.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F04B 17/04, B60T 8/40**

- (54) ● UNIT FOR CONVEYING HYDRAULIC FLUID IN HYDRAULIC SYSTEMS

- UNITE POUR REFOULER DU FLUIDE HYDRAULIQUE DANS DES SYSTEMES HYDRAULIQUES

(71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).

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(72, 75) **MUTSCHLER, Robert** [DE/DE]; Obergasse 44, D-64319 Funkstadt (DE).

(74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19625** (13) A1
(21) PCT/JP98/04377
(22) **29 Sep/sep 1998 (29.09.1998)**
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(31) 9/277657 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(31) 10/106703 (32) **16 Apr/avr 1998 (16.04.1998)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04B 27/08**
(54) ● SWASH PLATE COMPRESSOR
● COMPRESSEUR A PLATEAU OSCILLANT
(71) **KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO** [JP/JP]; 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
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(72, 75) **KATO, Takayuki** [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
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TAGA, Masaaki [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
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TAKEICHI, Toru [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
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(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).
(81) BR CA CN ID KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).
(81) BR CN ID KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19627** (13) A1
(21) PCT/SE98/01757
(22) **30 Sep/sep 1998 (30.09.1998)**
(25) sv (26) en
(31) 9703722-0 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04B 39/02, 35/04, F04D 1/14**
(54) ● LUBRICATING SYSTEM, PREFERABLY FOR REFRIGERATING MACHINERY AND COMPRISING A PITOT TUBE PUMP
● SYSTEME DE LUBRIFICATION DESTINEE, DE PREFERENCE, A UNE MACHINE FRIGORIFIQUE ET COMPRENANT UNE POMPE A TUBE DE PITOT
(71, 72) **WELLTON PERSSON, Claes, Lorentz, Uno** [SE/SE]; Sveavägen 118, S-133 50 Stockholm (SE).
(74) **NOREN, Per, Bo, Arne**; Swedpatent AB, P.O. Box 186, S-746 24 Balsta (SE).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19626** (13) A1
(21) PCT/JP98/04378
(22) **29 Sep/sep 1998 (29.09.1998)**
(25) ja (26) ja
(31) 9/277657 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(31) 10/106713 (32) **16 Apr/avr 1998 (16.04.1998)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04B 27/08**
(54) ● SWASH PLATE COMPRESSOR
● COMPRESSEUR A PLATEAU OSCILLANT
(71) **KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO** [JP/JP]; 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
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(72, 75) **KATO, Takayuki** [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
IKEDA, Hayato [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
KA-TAYAMA, Seiji [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
TAGA, Masaaki [JP/JP]; Kabushiki Kaisha Toyoda Jidoshokki Seisakusho, 1, Toyoda-cho 2-chome, Kariya-shi, Aichi 448-8671 (JP).
(74) **ISHIDA, Takashi** et al. / etc.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105-8423 (JP).
(81) BR CA CN ID KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19628** (13) A1
(21) PCT/EP98/06347
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) en (26) en
(31) B097A000609 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04B 43/09, 13/02**
(54) ● DISPENSING UNIT FOR A FLUID DISPENSING MACHINE, COMPRISING A VARIABLE-VOLUME PUMPING CHAMBER, AND MACHINE COMPRISING SAID DISPENSING UNIT
● UNITE DE DISTRIBUTION DESTINEE A UNE MACHINE DISTRIBUANT UN FLUIDE, COMPRENANT UNE CHAMBRE DE POMPAGE A VOLUME VARIABLE ET MACHINE COMPRENANT LADITE UNITE
(71) **COROB S.P.A.** [IT/IT]; Via dell'Agricoltura, 3, I-41038 S. Felice sul Panaro (IT).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **PARRINO, Andrea** [IT/IT]; Via G. Deledda, 12, I-41037 Mirandola (IT).
MANFREDINI, Giorgio [IT/IT]; Via della Libertà, 28, I-41032 Cavezzo (IT).
MAZZALVERI, Leopoldo [IT/IT]; Via S. Donato, 9, I-61029 Urbino (IT).
-
- (74) **CANTALUPPI, Stefano** et al. / etc.; Jacobacci & Perani S.p.A., Via Berchet, 9, I-35131 Padova (IT).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19629** (13) A1
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(22) **9 Oct/oct 1998 (09.10.1998)**
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(31) 197 45 448.8 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04C 15/04, 2/344**
(54) ● POSITIVE-DISPLACEMENT PUMP
● POMPE VOLUMETRIQUE
(71) **ZF FRIEDRICHSHAFEN AG** [DE/DE]; D-88038 Friedrichshafen (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **MERZ, Johann** [DE/DE]; Robert-Koch-Strasse 8, D-73527 Schwäbisch Gmünd (DE).
(74) **ZF FRIEDRICHSHAFEN AG**; D-88038 Friedrichshafen (DE).
(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19630** (13) A1
(21) PCT/EP98/03756
(22) **19 Jun/juin 1998 (19.06.1998)**
(25) de (26) de
(31) 197 45 616.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F04C 18/16, 29/04, 23/00**
(54) ● COOLED SCREW VACUUM PUMP
● POMPE A VIDE A VIS REFROIDIE
(71) **LEYBOLD VAKUUM GMBH** [DE/DE]; Bonner Strasse 498, D-50968 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **BAHNEN, Rudolf** [DE/DE]; Roetgenbachstrasse 33, D-52159 Roetgen (DE).
DREIFERT, Thomas [DE/DE]; Am Waldpark 13, D-50996 Köln (DE).
(74) **LEINEWEBER, Jürgen**; Aggerstrasse 24, D-50859 Köln (DE).
(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19631** (13) A1
(21) PCT/EP98/03757
(22) **19 Jun/juin 1998 (19.06.1998)**

- (25) de (26) de
- (31) 197 45 615.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F04C 18/16, 23/00, 18/08, 29/10, 29/04**
- (54) ● SCREW VACUUM PUMP PROVIDED WITH ROTORS
● POMPE A VIDE A VIS POURVUE DE ROTORS
- (71) **LEYBOLD VAKUUM GMBH** [DE/DE]; Bonner Strasse 498, D-50968 Köln (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BAHNEN, Rudolf** [DE/DE]; Roetgenbachstrasse 33, D-52159 Roetgen (DE). **DREIFERT, Thomas** [DE/DE]; Am Waldpark 13, D-50996 Köln (DE).
- (74) **LEINWEBER, Jürgen**; Aggerstrasse 24, D-50859 Köln (DE).
- (81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19632** (13) A1
- (21) PCT/IB98/01582
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) ru (26) ru
- (31) 97116820 (32) **14 Oct/oct 1997 (14.10.1997)** (33) RU
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F04F 5/02**
- (54) ● LIQUID-GAS JET APPARATUS
● APPAREIL A JETS DE GAZ ET DE LIQUIDE
- (71) **PETROUKHINE, Evgueni Dmitrievich** [RU/RU]; Maikovski pereulok, 4, Novorossisk, 353900 (RU).
(for all designated States except / pour tous les États désignés sauf US)
- (71, 72) **POPOV, Serguei Anatolievich** [RU/HU]; Maria Kiralyne u. 54, H-1213 Budapest (HU).
- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19633** (13) A1
- (21) PCT/GB97/02792
- (22) **10 Oct/oct 1997 (10.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F04F 10/00**
- (54) ● MULTISTAGE SYPHON
● SIPHON MULTI-ÉTAGE
- (71) **HYDROSCALE PRIVATE LIMITED** [-/GB]; Trident Chambers, P.O. Box No. 146, Road Town, Tortola (VG).
(for all designated States except / pour tous les États désignés sauf US)
- (71, 72) **KALANDARANI, Khuda, Dad** [PK/PK]; Jahlawan Street, Main National Highway, Khuzdar, 89100 Balochistan (PK).
- (81) AL (Utility model / modèle d'utilité) AM (Utility model / modèle d'utilité) AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG (Utility model / modèle d'utilité) BR (Utility model / modèle d'utilité) BY CA CH CN (Utility model / modèle d'utilité) CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES (Utility model / modèle d'utilité) FI FI (Utility model / modèle d'utilité) GB GE (Utility model / modèle d'utilité) GH HU (Utility model / modèle d'utilité) ID IL IS JP (Utility model / modèle d'utilité) KE (Utility model / modèle d'utilité) KG (Utility model / modèle d'utilité) KP (Inventor's certificate / certificat d'auteur d'invention) KR (Utility model / modèle d'utilité) KZ (Utility model / modèle d'utilité) LC LK LR LS (Utility model / modèle d'utilité) LT LU LV MD (Utility model / modèle d'utilité) MG MK MN MW MX (Utility model / modèle d'utilité) NO NZ PL (Utility model / modèle d'utilité) PT (Utility model / modèle d'utilité) RO RU (Utility model / modèle d'utilité) SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ (Utility model / modèle d'utilité) TM TR (Utility model / modèle d'utilité) TT UA (Utility model / modèle d'utilité) UG US UZ (Utility model / modèle d'utilité) VN (Utility model / modèle d'utilité) YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
- (81) **WO 99/19634** (13) A2
- (21) PCT/US98/21856
- (22) **16 Oct/oct 1998 (16.10.1998)**
- (25) en (26) en
- (31) 60/062,236 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16B**
- (54) ● RING CLINCHING AND APPLYING DEVICE
● DISPOSITIF D'APPLICATION ET DE RIVETAGE D'ATTACHES EN ANNEAU
- (71) **STANLEY BOSTITCH, INC.** [US/US]; Briggs Drive, Route 2, East Greenwich, RI 02818 (US).
- (72) **CLUGGISH, Raymond, F.**; Indianapolis, IN 46227 (US).
- (74) **LIPPITT, Raymond, F.** et al. / etc.; Cushman Darby & Cushman, Intellectual Property Group of Pillsbury Madison & Sutoro, 1100 New York Avenue, N.W., Washington, DC 20005 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19635** (13) A1
- (21) PCT/US98/21096
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 08/948,462 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16B 3/24**
- (54) ● EXPANSION-JOINT SYSTEM AND BELT
● SYSTEME ET COURROIE A JOINT DE DILATATION
- (71) **THE ATLANTIC GROUP, INC.** [US/US]; 5426 Robin Hood Road, Norfolk, VA 23513 (US).
- (72) **HAHN, Robert, B.**; 2214 Roanoke Avenue, Virginia Beach, VA 23455 (US).
- (74) **BUTLER, F., Prince**; Griffen, Butler, Whisenhunt & Szipl, LLP, Suite PH-1, 2300 Ninth Street, South, Arlington, VA 22204 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (a)
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- (11) **WO 99/19636** (13) A1
- (21) PCT/CA97/00752
- (22) **9 Oct/oct 1997 (09.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16B 23/00, 33/00, B62K 25/02, B62H 5/00**
- (54) ● ANTI-THEFT LOCKING DEVICE
● CADENAS ANTIVOL
- (71) **PINHEAD COMPONENTS INC.** [CA/CA]; 373-11215 Jasper Avenue, Edmonton, Alberta T5K 0L5 (CA).
- (74) **ORANGE, John, R., S.** et al. / etc.; Orange Chari Pillay, Toronto Dominion Bank Tower, Toronto Dominion Center, Suite 3600, P.O. Box 190, Toronto, Ontario M5K 1H6 (CA).
- (81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19637** (13) A1
- (21) PCT/CN97/00102
- (22) **14 Oct/oct 1997 (14.10.1997)**
- (25) zh (26) zh
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16B 39/284, 39/20, 39/10**
- (54) ● A BOLT WITH AN ENERGY-RESERVING AND SELF-LOCKING DEVICE
● BOULON DOTE D'UN DISPOSITIF DE STOCKAGE D'ENERGIE ET D'AUTOVERROUILLAGE
- (71, 72) **YAN, Ming** [CN/CN]; 4, Building 9, 85 Qiu-chang Road, Wu Han 430016 (CN).
- (74) **NTD PATENT & TRADEMARK AGENCY LTD. BEIJING OFFICE**; 10th floor, 6 Beisanhuanzhonglu Road, Dewai, Beijing 100011 (CN).
- (81) CA CH CN DE ES FI GB JP KP KR PL RO SE SK US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19638** (13) A1
- (21) PCT/US98/21641
- (22) **14 Oct/oct 1998 (14.10.1998)**

- (25) en (26) en
 (31) 08/950,922 (32) **15 Oct/oct 1997** (33) US
 (15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16C 17/12**
- (54) ● BI-DIRECTIONAL FOIL BEARINGS
 ● PALIERS BIDIRECTIONNELS A FEUILLE METALLIQUE
- (71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).
- (72) **SAVILLE, Marshall**; 20515 Eastwood Avenue, Torrance, CA 90503 (US).
- (74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept., (Attn: A. Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19639** (13) A1
 (21) PCT/US98/21376
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) en (26) en
 (31) 08/949,552 (32) **14 Oct/oct 1997** (33) US
 (14.10.1997)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16C 19/38**
- (54) ● TAPERED ROLLER BEARING WITH TRUE ROLLING CONTACTS
 ● ROULEMENTS A ROULEAUX CONIQUES A CONTACTS DE ROULEMENT REELS
- (71) **THE TIMKEN COMPANY** [US/US]; 1835 Dueber Avenue, S.W., P.O. Box 6927, Canton, OH 44706-0927 (US).
- (72) **AI, Xiaolan**; 4480 Noble Loon Street, N.W., Massillon, OH 44646 (US).
- (74) **BOESCHENSTEIN, Edward, A.**; Polster, Lieder, Woodruff & Lucchesi, 763 South New Ballas Road, St. Louis, MO 63141 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19640** (13) A2
 (21) PCT/EP98/06387
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) de (26) de
 (31) 197 45 077.6 (32) **11 Oct/oct 1997** (33) DE
 (11.10.1997)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16D 65/00**
- (54) ● DRUM BRAKE SHOE
 ● MACHOIRE DE FREIN A TAMBOUR
- (71) **CONTINENTAL TEVES AG & CO. OHG** [DE/DE]; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ZORNKAU, Lutz** [DE/DE]; Ginsterweg 4, D-65760 Eschborn (DE). **KNÖDL, Anton** [DE/DE]; Eleonore-Sterling-Strasse 52, D-60433 Frankfurt am Main (DE).
- (74) **CONTINENTAL TEVES AG & CO. OHG**; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19641** (13) A1
 (21) PCT/EP98/06156
 (22) **28 Sep/sep 1998 (28.09.1998)**
 (25) de (26) de
 (31) 197 45 241.8 (32) **13 Oct/oct 1997** (33) DE
 (13.10.1997)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16D 65/12, B60T 17/22**
- (54) ● TOOL FOR BREAKING BRAKE DISKS
 ● OUTIL POUR ROMPRE DES DISQUES DE FREIN
- (71) **KNORR-BREMSE SYSTEME FÜR NUTZFAHRZEUGE GMBH** [DE/DE]; Moosacher Strasse 80, D-80809 München (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **WERTH, Michael** [DE/DE]; Buchenstrasse 6b, D-85716 Unterschleissheim (DE). **BIEKER, Dieter** [DE/DE]; Sonneckstrasse 19, D-83080 Oberaudorf (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19642** (13) A1
 (21) PCT/JP98/04610
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) ja (26) ja
 (31) 9/280645 (32) **14 Oct/oct 1997** (33) JP
 (14.10.1997)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16F 1/38**
- (54) ● METHOD OF PRODUCING CYLINDRICAL VIBRATION-PROOFING RUBBER DEVICE
 ● PROCEDE DE PRODUCTION D'UN DISPOSITIF CYLINDRIQUE EN CAOUTCHOUC POUVANT AMORTIR DES VIBRATIONS
- (71) **YAMASHITA RUBBER KABUSHIKI KAISHA** [JP/JP]; 1239, Ohaza-Kamekubo, Ohî-machi, Iruma-gun, Saitama 356-0051 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **OZAWA, Shougo** [JP/JP]; Yamashita Rubber Kabushiki Kaisha, 1239, Ohaza-Kamekubo, Ohî-machi, Iruma-gun, Saitama 356-0051 (JP).
- (74) **KOMATSU, Kiyomitsu**; Rose Bay Ikebukuro Building, 8th floor C, 39-8, Nishi-Ikebukuro 2-chome, Toshima-ku, Tokyo 171-0021 (JP).
- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19643** (13) A1
 (21) PCT/US98/12521
 (22) **17 Jun/juin 1998 (17.06.1998)**
 (25) en (26) en
 (31) 08/949,009 (32) **10 Oct/oct 1997** (33) US
 (10.10.1997)
 (31) 09/004,666 (32) **8 Jan/jan 1998** (33) US
 (08.01.1998)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16H 57/00**
- (54) ● ANTI-THEFT BRAKE OR CLUTCH LOCKING DEVICE
 ● DISPOSITIF ANTIVOL BLOQUANT LES FREINS OU L'EMBRAYAGE
- (71, 72) **VITO, Robert, A.** [US/US]; 1434 Sugartown Road, Berwyn, PA 19312 (US).
- (74) **FIELDS, Scott, J.**; Klehr, Harrison, Harvey, Branzburg & Eilers, LLP, 1401 Walnut Street, Philadelphia, PA 19102-3163 (US).
- (81) AU BA BB BG BR CA CN CU CZ EE GE GW HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19644** (13) A1
 (21) PCT/FR98/02180
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) fr (26) fr
 (31) 97/12661 (32) **10 Oct/oct 1997** (33) FR
 (10.10.1997)
 (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16H 61/06**
- (54) ● METHOD AND DEVICE FOR CONTROLLING THE SUPPLY OF AN AUTOMATIC TRANSMISSION HYDRAULIC ACTUATORS
 ● PROCEDE ET DISPOSITIF DE CONTROLE DE L'ALIMENTATION DES RECEPTEURS HYDRAULIQUES D'UNE TRANSMISSION AUTOMATIQUE
- (71) **RENAULT** [FR/FR]; 34, quai du Point du Jour, F-92109 Boulogne Billancourt Cedex (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **LEORAT, François** [FR/FR]; 98, boulevard de la Reine, F-78000 Versailles (FR). **VALENTIN, Daniel** [FR/FR]; 67, avenue de Buzenval, F-92500 Rueil Malmaison (FR).
- (74) **ROUEMONT, Bernard**; Renault, Service 0267 - TPZ OJ2 110, 860, quai de Stalingrad, F-92109 Boulogne Billancourt Cedex (FR).
- (81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19645** (13) A1
 (21) PCT/EP98/06315

(22) 5 Oct/oct 1998 (05.10.1998)

(25) de (26) de

(31) 197 44 697.3 (32) 10 Oct/oct 1997 (10.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16H 61/14

(54) ● METHOD FOR ADAPTING A TORQUE CONVERTER LOCK-UP CLUTCH

- PROCÉDE D'ADAPTATION D'UN EM-BRAYAGE DE PONTAGE DE CONVERTISSEUR

(71) ZF FRIEDRICHSHAFEN AG [DE/DE]; D-88038 Friedrichshafen (DE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) ZIMMERMANN, Bernd [DE/DE]; Im Eschle 7, D-89610 Oberdisingen (DE).

(74) ZF FRIEDRICHSHAFEN AG; D-88038 Friedrichshafen (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(21) PCT/US98/21479

(22) 10 Oct/oct 1998 (10.10.1998)

(25) en (26) en

(31) 08/949,447 (32) 14 Oct/oct 1997 (14.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16J

(54) ● ROTATING/RECIPROCATING CYLINDER POSITIVE DISPLACEMENT DEVICE

- DISPOSITIF DE DEPLACEMENT POSITIF DE CYLINDRE ROTATIF/ALTERNATIF

(71, 72) DECKARD, Carl, R. [US/US]; Suite 108, 720 Bastrop Highway, Austin, TX 78741 (US).

(74) YEAGER, Rick, B.; Suite 3C, 12343 Hymeadow, Austin, TX 78750 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19647 (13) A1

(21) PCT/EP98/06503

(22) 14 Oct/oct 1998 (14.10.1998)

(25) de (26) de

(31) 197 45 348.1 (32) 14 Oct/oct 1997 (14.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16J 15/06, F02B 27/02

(54) ● SEALING ELEMENT

- ELEMENT D'ETANCHEITE

(71) FILTERWERK MANN + HUMMEL GMBH [DE/DE]; D-71631 Ludwigsburg (DE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) JESSBERGER, Thomas [DE/DE]; Henri-Arnaud-Strasse 43, D-71277 Rutesheim (DE).

(74) VOTH, Gerhard; Filterwerk Mann + Hummel GmbH, D-71631 Ludwigsburg (DE).

(81) BR CA JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) WO 99/19648 (13) A1

(21) PCT/AU98/00840

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) PO 9710 (32) 10 Oct/oct 1997 (10.10.1997) (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16J 15/54, 15/34

(54) ● A SEAL APPARATUS

- DISPOSITIF D'ETANCHEITE

(71, 72) CHERNY, Dimitry [AU/AU]; 48 Chelsfield Street, Gosnells, W.A. 6110 (AU). CHERNY, Nicolai [AU/AU]; 9 Kamber Court, Maddington, W.A. 6109 (AU).

(74) LORD, Kelvin, Ernest; Lord & Company, 4 Douro Place, West Perth, W.A. 6005 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19649 (13) A2

(21) PCT/US98/21469

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) 08/948,545 (32) 10 Oct/oct 1997 (10.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16K

(54) ● MULTIPOINT CONVERSION SYSTEM FOR BUTTERFLY VALVE

- SYSTEME DE CONVERSION MULTIVOIES POUR ROBINET A PAPILLON

(71) UNIVALVE LLC [US/US]; P.O. Box 440372, Aurora, CO 80044-0372 (US). (for all designated States except / pour tous les États désignés sauf US)

(71, 72) COHEN, Joseph, D. [US/US]; 12723 East Asbury Circle #202, Aurora, CO 80014 (US).

(74) BURTON, Carol, W. et al. / etc.; Holland & Hart L.L.P., Suite 3200, 555 17th Street, P.O. Box 8749, Denver, CO 80201-8749 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19650 (13) A1

(21) PCT/IL98/00425

(22) 1 Sep/sep 1998 (01.09.1998)

(25) en (26) en

(31) 121988 (32) 15 Oct/oct 1997 (15.10.1997) (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16K 11/02, 11/048

(54) ● 3-WAY CONTROL VALVE

- SOUPAPE DE COMMANDE A TROIS VOIES

(71) DOROT VALVE MANUFACTURERS [IL/IL]; Kibbutz Dorot, 79175 D.N. Hof Ashkelon (IL). ARKAL FILTRATION SYSTEMS [IL/IL]; Bet Zera, 15135 D.N. Jordan Valley (IL). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) ASSA, Igal [IL/IL]; Kibbutz Dorot, 79175 D.N. Hof Ashkelon (IL). BEN-HORIN, Ra'anan [IL/IL]; Bet Zera, 15135 D.N. Jordan Valley (IL).

(74) REINHOLD COHN AND PARTNERS; P.O. Box 4060, 61040 Tel Aviv (IL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19651 (13) A2

(21) PCT/EP98/06541

(22) 15 Oct/oct 1998 (15.10.1998)

(25) de (26) de

(31) 297 18 382.6 (32) 16 Oct/oct 1997 (16.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16L

(54) ● FLANGE DEVICE

- FLASQUE

(71) AEROQUIP-VICKERS INTERNATIONAL GMBH [DE/DE]; Dr.-Reckeweg-Strasse 1, D-76532 Baden-Baden (DE).

(72) MERTEN, John, F.; Bammertsacker Weg 1, D-76547 Sinzheim (DE).

(74) GLEISS, Alf-Olav et al. / etc.; Maybachstrasse 6A, D-70469 Stuttgart (DE).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19652 (13) A2

(21) PCT/IL98/00492

(22) 11 Oct/oct 1998 (11.10.1998)

(25) en (26) en

(31) 121960 (32) 13 Oct/oct 1997 (13.10.1997) (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F16L

(54) ● THERMAL ENVELOPE

- ENVELOPPE THERMIQUE
- (71, 72) **RADOMSKY, Ronen** [IL/IL]; Oren Street 9, Romema, 34731 Haifa (IL). **GORLOVITSKY, Baruch** [IL/IL]; Oren Street 1/3, 20300 Neshet (IL). **AMISAR, Shai** [IL/IL]; Shimshon Street 11, 93501 Jerusalem (IL).
- (74) **COLB, Sanford, T.** et al. / etc.; Sanford T. Colb & Co., P.O. Box 2273, 76122 Rehovot (IL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19653** (13) A1
(21) PCT/US98/21493
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/949,091 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 11/12, 11/08, E21B 17/20, G01M 3/04, H01B 7/00, B29C 70/08**
(54) ● COMPOSITE SPOOLABLE TUBE WITH SENSOR
● TUYAU COMPOSITE ENROULABLE AVEC DETECTEUR
(71) **FIBERSPAR SPOOLABLE PRODUCTS, INC.** [US/US]; 2380 Cranberry Highway, West Wareham, MA 02576 (US).
- (72) **QUIGLEY, Peter, A.**; 94 Saltmarsh Lane, Pocasset, MA 02559 (US). **NOLET, Stephen, C.**; 2 Alexandria Drive, Franklin, MA 02038 (US).
- (74) **LIEPMANN, W., Hugo** et al. / etc.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).
- (81) CA GB NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19654** (13) A1
(21) PCT/DK97/00450
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 33/01**
(54) ● A FLEXIBLE PIPE WITH AN ASSOCIATED END-FITTING
● TUYAU SOUPLE A RACCORD D'EXTREMITE ASSOCIE
(71) **NKT CABLES A/S** [DK/DK]; Nkt allé 1, DK-2605 Brøndby (DK).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **POUL, Erik, Braad** [DK/DK]; Teglværksvej 24, DK-3460 Birkerød (DK).
- (74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrograde 20, DK-1620 Copenhagen V (DK).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19655** (13) A1
(21) PCT/DK97/00451
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 33/01**
(54) ● AN ASSEMBLY OF AN END-FITTING AND A FLEXIBLE PIPE
● ENSEMBLE CONSTITUE D'UN RACCORD D'EXTREMITE ET D'UN TUYAU SOUPLE
(71) **NKT CABLES A/S** [DK/DK]; NKT Allé 1, DK-2605 Brøndby (DK).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **LANGKJÆR, Krystyna, Izabella** [DK/DK]; Skodsborgvej 340, 2. tv., DK-2850 Nærum (DK).
- (74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrograde 20, DK-1620 Copenhagen V (DK).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19656** (13) A1
(21) PCT/DK97/00452
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 33/01, 33/24**
(54) ● AN ASSEMBLY OF A FLEXIBLE PIPE AND AN END-FITTING
● ENSEMBLE CONSTITUE D'UN TUYAU SOUPLE ET D'UN RACCORD D'EXTREMITE
(71) **NKT CABLES A/S** [DK/DK]; NKT Allé 1, DK-2605 Brøndby (DK).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **BRAAD, Poul, Erik** [DK/DK]; Teglværksvej 24, DK-3460 Birkerød (DK).
- (74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrograde 20, DK-1620 Copenhagen V (DK).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/19657** (13) A1
(21) PCT/IT98/00269
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) TO97A000900 (32) **10 Oct/oct 1997 (10.10.1997)** (33) IT
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 37/42**
(54) ● CONNECTION UNIT FOR A FAST-COUPLING SAFETY JOINT
● UNITE DE RACCORDEMENT POUR RACCORD RAPIDE A SECURITE
(71) **PRES BLOCC S.R.L.** [IT/IT]; Via Alpignano, 155, I-10040 Caselette (IT).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **NICOLINO, Aldo** [IT/IT]; Strada Contessa, 35, I-10040 Caselette (IT).
- (74) **JORIO, Paolo** et al. / etc.; Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19658** (13) A1
(21) PCT/EP98/06433
(22) **10 Oct/oct 1998 (10.10.1998)**
(25) de (26) de
(31) 197 45 192.6 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **F16L 47/00**
(54) ● TUBING COUPLING AND A METHOD FOR PRODUCING THE SAME
● RACCORD DE TUYAUX ET SON PROCEDE DE PRODUCTION
(71) **FILTERWERK MANN+HUMMEL GMBH** [DE/DE]; D-71631 Ludwigsburg (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **ALTMANN, Klaus** [DE/DE]; Friedenstrasse 2, D-74357 Bönnigheim (DE). **LEIPELT, Rudolf** [DE/DE]; Fohlenbergstrasse 7/1, D-71672 Marbach (DE).
- (74) **VOTH, Gerhard**; Filterwerk Mann+Hummel GmbH, D-71631 Ludwigsburg (DE).
- (81) BR CA JP KR MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
-
- (11) **WO 99/19659** (13) A1
(21) PCT/GB98/03014
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 9721405.0 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16L 55/165**
- (54) ● MULTI-LAYERED RENOVATIVE PIPEL-
NER
● REVETEMENT DE CANALISATIONS DE
RENOVATION A MULTIPLES COUCHES
- (71) **TEXON UK LIMITED** [GB/GB]; 100 Ross Walk,
Belgrave, Leicester LE4 5BX (GB).
*(for all designated States except / pour tous les États
désignés sauf US)*
- (71) **TEXON MATERIALES, S.L.** [ES/ES]; Apartado
21083, Ramón Turró, 109-5ª planta, E-8005 Bar-
celona (ES).
(only for / seulement pour ES)
- (72, 75) **ANDREWS, David** [GB/GB]; 35 Rievaulx
Way, Guisborough, Cleveland TS14 7AU (GB).
- (74) **GILDING, Martin**; Eric Potter Clarkson, Park
View House, 58 The Ropewalk, Nottingham NG1
5DD (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH
CN CU CZ DE DK EE ES FI GB GD GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MD MG MK MN MW MX NO
NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT UA UG US UZ VN YU ZW; AP (GH GM
KE LS MW SD SZ UG ZW); EA (AM AZ BY
KG KZ MD RU TJ TM); EP (AT BE CH CY DE
DK ES FI FR GB GR IE IT LU MC NL PT SE);
OA (BF BJ CF CG CI CM GA GN GW ML MR
NE SN TD TG).
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- (11) **WO 99/19660** (13) A1
- (21) PCT/FR98/02173
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) fr (26) fr
- (31) 97/12706 (32) **10 Oct/oct 1997** (33) FR
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16L 58/06**
- (54) ● PRODUCT FOR COATING THE INTERNAL
SURFACE OF A CONDUIT, METHOD AND
MACHINE USING SAME AND CONDUIT
COATED WITH SAME
● PRODUIT DE REVETEMENT INTERNE
D'UN ELEMENT DE CANALISATION, PRO-
CEDE ET MACHINE POUR SA MISE EN
OEUVRE, ET ELEMENT DE CANALISA-
TION REVETU PAR CE PRODUIT
- (71) **PONT-A-MOUSSON S.A.** [FR/FR]; 91, avenue
de la Libération, F-54000 Nancy (FR).
*(for all designated States except / pour tous les États
désignés sauf US)*
- (72, 75) **SOUKATCHOFF, Pascal** [FR/FR]; 4, rue
Louis Guingot, F-54690 Lay Saint Christophe
(FR).
- (74) **JACOBSON, Claude**; Cabinet Lavoix, 2, place
d'Estienne d'Orves, F-75441 Paris Cedex 09 (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH
CN CU CZ DE DK EE ES FI GB GD GE GH GM
HR HU ID IL IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MD MG MK MN MW MX NO
NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT UA UG US UZ VN YU ZW; AP (GH GM
KE LS MW SD SZ UG ZW); EA (AM AZ BY
KG KZ MD RU TJ TM); EP (AT BE CH CY DE
DK ES FI FR GB GR IE IT LU MC NL PT SE);
OA (BF BJ CF CG CI CM GA GN GW ML MR
NE SN TD TG).
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- (11) **WO 99/19661** (13) A1
- (21) PCT/FR98/02154
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) fr (26) fr
- (31) 97/12685 (32) **10 Oct/oct 1997** (33) FR
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F16L 59/14**
- (54) ● SUBMARINE PIPELINE FOR TRANSPOR-
TING PETROLEUM PRODUCTS
● CONDUITE SOUS-MARINE DE TRANS-
FERT DE PRODUITS PETROLIERS
- (71) **DORIS ENGINEERING** [FR/FR]; 58 A, rue du
Dessous-des-Berges, F-75013 Paris (FR). **STOLT
COMEX SEAWAY** [FR/FR]; 467, chemin du
Littoral, Boîte postale 69, F-13321 Marseille Ce-
dex 16 (FR).
*(for all designated States except / pour tous les États
désignés sauf US)*
- (72, 75) **THIEBAUD, François, Eugène, Paul**
[FR/FR]; 74, hameau de la Jonque, F-91650
Breuillet (FR). **THIBAudeau, Christophe,
André, Marcel** [FR/FR]; 5 bis, rue
Antoine-Chantin, F-75014 Paris (FR).
- (74) **CABINET DE BOISSE ET COLAS**; 37, avenue
Franklin D. Roosevelt, F-75008 Paris (FR).
- (81) AU BR GB NO US; EA (AM AZ BY KG KZ MD
RU TJ TM); OA (BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG).
-
- (11) **WO 99/19662** (13) A1
- (21) PCT/US98/20126
- (22) **25 Sep/sep 1998 (25.09.1998)**
- (25) en (26) en
- (31) 08/950,249 (32) **14 Oct/oct 1997** (33) US
(14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F17C 1/12, 7/00, 13/00, C07C 9/00**
- (54) ● GAS HYDRATE STORAGE RESERVOIR
● RESERVOIR DE STOCKAGE D'HYDRATE
DE GAZ
- (71) **MOBIL OIL CORPORATION** [US/US]; 3225
Gallows Road, Fairfax, VA 22037 (US).
- (72) **HEINEMANN, Robert, Frederick**; 5912 Valley-
brook Drive, Plano, TX 75093 (US). **HUANG, Da-
vid, Da-Teh**; 3520 Jomar Drive, Plano, TX 75075
(US). **LONG, Jingping**; 6017 Mendota Drive,
Plano, TX 75024 (US). **SAEGER, Roland, Ber-
nard**; 207 West Evesham Road, Runnemede, NJ
08078 (US).
- (74) **FURR, Robert, B., Jr.** et al. / etc.; Mobil
Oil Corporation, 3225 Gallows Road, Fairfax, VA
22037 (US).
- (81) AU BR CA CN ID JP KR NO NZ; EP (AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE).
-
- (11) **WO 99/19663** (13) A1
- (21) PCT/US98/21722
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 08/951,138 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F17C 9/02**
- (54) ● APPARATUS FOR WITHDRAWAL OF LI-
QUID FROM A CONTAINER AND METHOD
- APPAREIL PERMETTANT DE PRELEVER LE
LIQUIDE D'UN RECIPIENT, ET PROCEDE
ASSOCIE
- (71) **SCOTT TECHNOLOGIES, INC.** [US/US]; Suite
250, 5875 Landerbrook Drive, Mayfield Heights,
OH 44124 (US).
- (72) **TSALS, Izrail**; 17 Rose Way, Sudbury, MA 01776
(US). **FRUSTACI, Dominick, J.**; 53 Lehn Springs
Drive, Williamsville, NY 14221 (US). **HYNEK,
Scott, J.**; 96 Washington Avenue, Waltham, MA
02154 (US).
- (74) **SCALISE, Michael, F.** et al. / etc.; Hodgson, Russ,
Andrews, Woods & Goodyear, 1800 One M & T
Plaza, Buffalo, NY 14203-2391 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH
CN CU CZ DE DK EE ES FI GB GE GH GM HU
ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW; AP (GH GM KE LS MW SD
SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ
TM); EP (AT BE CH CY DE DK ES FI FR GB
GR IE IT LU MC NL PT SE); OA (BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19664** (13) A1
- (21) PCT/DE98/01820
- (22) **2 Jul/juil 1998 (02.07.1998)**
- (25) de (26) de
- (31) 197 45 467.4 (32) **15 Oct/oct 1997** (33) DE
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F21M 3/14, 3/08**
- (54) ● VEHICLE HEADLIGHT
● PROJECTEUR POUR VEHICULES
- (71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30
02 20, D-70442 Stuttgart (DE).
*(for all designated States except / pour tous les États
désignés sauf US)*
- (72, 75) **BOEBEL, Doris** [DE/DE]; In Unteren Kienle
13, D-70184 Stuttgart (DE).
- (81) CZ KR US; EP (AT BE CH CY DE DK ES FI FR
GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19665** (13) A1
- (21) PCT/SE98/01814
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 9703683-4 (32) **9 Oct/oct 1997** (33) SE
(09.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **F21V 11/08 // F41G 1/36**
- (54) ● SIGHT FOR WEAPONS
● DISPOSITIF DE VISEE DESTINE A DES
ARMES
- (71) **GS DEVELOPMENT AB** [SE/SE];
Jägershillgatan 15, S-213 75 Malmö (SE).
*(for all designated States except / pour tous les États
désignés sauf US)*
- (72, 75) **WIKLUND, Ralf** [SE/SE]; Solskengatan 23,
S-260 35 Ödåkra (SE). **SIEG, Joachim** [DE/DE];
Elcos GmbH, Raiffeisenstrasse 33, D-85276 Pfaf-
fenhofen (DE).
- (74) **STRÖM, Tore** et al. / etc.; Ström & Gulliksson
AB, P.O. Box 4188, S-203 13 Malmö (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19666** (13) A1

(21) PCT/AU98/00842

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) PO 9809 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU

(31) PP 4900 (32) **28 Jul/juil 1998 (28.07.1998)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F21V 33/00**

(54) ● LAMP FITTING AND MONITORING DEVICE

● DISPOSITIF DE RACCORD ET DE CONTRÔLE POUR UNE LAMPE

(71, 72) **CRAIG, Hilary, Elizabeth** [GB/AU]; Bangerang Road, Echuca Village, VIC 3564 (AU).

(74) **PRYOR, Geoffrey, Charles** et al. / etc.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19667** (13) A1

(21) PCT/JP98/04641

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 9/296313 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(31) 10/169286 (32) **2 Jun/juin 1998 (02.06.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F22B 31/00, F23G 5/46**

(54) ● METHOD AND APPARATUS FOR GENERATING ELECTRIC POWER BY COMBUSTING WASTES

● PROCEDE ET DISPOSITIF POUR LA FOURNITURE D'ENERGIE ELECTRIQUE PAR COMBUSTION DE DECHETS

(71) **EBARA CORPORATION** [JP/JP]; 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **OHSHITA, Takahiro** [JP/JP]; 1502-36, Kitahassaku-cho, Midori-ku, Yokohama-shi, Kanagawa 226-0021 (JP). **HIROSE, Tetsuhisa** [JP/JP]; 9-6, Aoto 7-chome, Katsushika-ku, Tokyo 125-0062 (JP). **NAKADA, Nobuo** [JP/JP]; #408, 6-27, Nishikojima 3-chome, Ohta-ku, Tokyo 144-0034 (JP). **TAKAHASHI, Koichi** [JP/JP]; 55-518, Nakaodai, Naka-ku, Yokohama-shi, Kanagawa 231-0839 (JP).

(74) **WATANABE, Isamu** et al. / etc.; Gowa Nishi-Shinjuku Building 4 floor, 5-8, Nishi-Shinjuku 7-chome, Shinjuku-ku, Tokyo 160-0023 (JP).

(81) CN JP RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19668** (13) A1

(21) PCT/FI98/00785

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 973932 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F23C 7/02, D21C 11/12**

(54) ● METHOD AND ARRANGEMENT FOR OPTIMIZING OXIDATION DURING BURNING OF GASEOUS AND LIQUID FUELS

● PROCEDE ET AGENCEMENT POUR OPTIMISER L'OXYDATION PENDANT LA COMBUSTION DE CARBURANTS GAZEUX ET LIQUIDES

(71) **KVAERNER PULPING OY** [FI/FI]; Kelloportinkatu 1 D, FIN-33100 Tampere (FI). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **TAMMINEN, Ari** [FI/FI]; Kivipöytälancku 2, FIN-33920 Pirkkala (FI). **SYRJÄLÄINEN, Risto** [FI/FI]; Sompakatu 1, FIN-33580 Tampere (FI). **KOIVUNIEMI, Heikki** [FI/FI]; Hopealinjantie 3, FIN-37500 Lempäälä (FI). **VÄLIMÄKI, Erkki** [FI/FI]; Näyttelijänkatu 25 C 18, FIN-33720 Tampere (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19669** (13) A1

(21) PCT/RU98/00316

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ru (26) ru

(31) 97119682 (32) **9 Oct/oct 1997 (09.10.1997)** (33) RU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F23C 11/00**

(54) ● METHOD FOR THE RADIATION-CONVECTION HEATING OF HEAT-EXCHANGE SURFACES

● PROCEDE DE CHAUFFAGE PAR RAYONNEMENT ET PAR CONVECTION DE SURFACES D'ECHANGE THERMIQUE

(71, 72) **PARFENOV, Leonid Nikolaevich** [RU/RU]; Leninsky pr., 39-165, Voronezh, 394004 (RU).

(81) CA CN JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19670** (13) A2

(21) PCT/US98/21338

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/948,436 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F23D 11/38, 17/00**

(54) ● FUEL NOZZLE ASSEMBLY FOR A LOW NO_x COMBUSTOR

● DISTRIBUTEUR DE COMBUSTIBLE POUR DISPOSITIF COMBUSTOR A FAIBLE TENEUR EN NO_x

(71) **WESTINGHOUSE ELECTRIC CORPORATION** [US/US]; Gateway Center, 11 Stanwix Street, Pittsburgh, PA 15222 (US).

(72) **PARKER, David, Marchant**; 206 Echo Hollow Way, Oviedo, FL 32765 (US). **MUMFORD, Stephen, Eugene**; 878 Bucksaw Place, Longwood, FL 32750 (US).

(74) **ABELES, Daniel, C.**; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19671** (13) A1

(21) PCT/EP98/05961

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) de (26) de

(31) 197 45 487.9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F23D 14/46, B23K 7/10, 9/28**

(54) ● HANDLE FOR GAS BURNERS

● POIGNEE POUR BRULEUR

(71) **J. LORCH GESELLSCHAFT & CO. KG GESELLSCHAFT FÜR MASCHINEN UND EINRICHTUNGEN** [DE/DE]; Bahnhofstrasse 22, D-71111 Waldenbuch (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **KUHN, Hans-Peter** [DE/DE]; Schöngutweg 6, D-66809 Nalbach (DE).

(74) **STEIMLE, Josef**; Dreiss, Fuhlendorf, Steimle & Becker, Postfach 10 37 62, D-70032 Stuttgart (DE).

(81) AU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19672** (13) A1

(21) PCT/EP98/06392

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) de (26) de

(31) 97117731.6 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F23N 5/12

(54) ● METHOD AND DEVICE FOR MONITORING A FLAME

● PROCEDE ET DISPOSITIF POUR LA SURVEILLANCE D'UNE FLAMME

(71) ELECTROWATT TECHNOLOGY INNOVATION AG [CH/CH]; CH-6301 Zug (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) HAUPENTHAL, Karl-Friedrich [DE/DE]; Hansjakobstrasse 5, D-76571 Gaggenau (DE).

(81) AU JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19673 (13) A1

(21) PCT/US98/21213

(22) 7 Oct/oct 1998 (07.10.1998)

(25) en (26) en

(31) 08/948,382 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F23Q 1/02

(54) ● LIGHTER HAVING A NON-ROTATING FLINT

● BRIQUET A PIERRE NON ROTATIVE

(71) BIC CORPORATION [US/US]; 500 BIC Drive, Milford, CT 06460 (US).

(72) LAFOREST, Guy; Travessa Tenonte Valadim, 3-1, P-2750 Cascais (PT).

(74) NORMILE, John, J. et al. / etc.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/19674 (13) A1

(21) PCT/US98/21335

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) 08/949,252 (32) 13 Oct/oct 1997 (13.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F23R 3/28, F23C 6/04, F23R 3/34, F02C 7/22

(54) ● COMBUSTOR WITH INDEPENDENTLY CONTROLLABLE FUEL FLOW TO DIFFERENT STAGES

● CHAMBRE DE COMBUSTION A DEBIT DE CARBURANT POUVANT ETRE REGULE DE MANIERE INDEPENDANTE SELON LES DIFFERENTS ETAGES

(71) SIEMENS WESTINGHOUSE POWER CORPORATION [US/US]; 186 Wood Avenue South, Iselin, NJ 08830 (US).

(72) PARKER, David, Marchant; 206 Echo Hollow Way, Oviedo, FL 32765 (US). WHIDDEN, Graydon, Lane; 631 Great Blue Court, Orlando, FL 32825 (US). ZOLYOMI, Wendel; 3350 Sweetwater Road #1318, Lawrenceville, GA 30244 (US).

(74) ABELES, Daniel, C.; Eckert Seamans Cherin & Mellott, LLC, 44th floor, 600 Grant Street, Pittsburgh, PA 15219 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/19675 (13) A1

(21) PCT/JP98/04555

(22) 8 Oct/oct 1998 (08.10.1998)

(25) ja (26) ja

(31) 9/293313 (32) 9 Oct/oct 1997 (09.10.1997) (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F24F 3/147

(54) ● DEHUMIDIFYING AIR CONDITIONER

● CONDITIONNEUR D'AIR A ASSECHEMENT

(71) EBARA CORPORATION [JP/JP]; 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 (JP).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) MAEDA, Kensaku [JP/JP]; Ebara Research Co., Ltd., 2-1, Honfujisawa 4-chome, Fujisawa-shi, Kanagawa 251-8502 (JP).

(74) WATANABE, Isamu et al. / etc.; Gowa Nishi-Shinjuku Building 4F, 5-8, Nishi-Shinjuku 7-chome, Shinjuku-ku, Tokyo 160-0023 (JP).

(81) CN US.

(11) WO 99/19676 (13) A1

(21) PCT/DE98/03002

(22) 12 Oct/oct 1998 (12.10.1998)

(25) de (26) de

(31) 197 45 198.5 (32) 13 Oct/oct 1997 (13.10.1997) (33) DE

(31) 198 46 409.6 (32) 8 Oct/oct 1998 (08.10.1998) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F24H 1/00

(54) ● GAS WATER-HEATER

● CHAUFFE-EAU AU GAZ

(71) ROBERT BOSCH GMBH [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).

(72) LAQUA, Ekkehard; Rainstrasse 15, D-68794 Oberhausen (DE). LEHR, Walter; Landauers- trasse 57 B, D-70499 Stuttgart (DE). SCHUMANN, Bernd; Daimlerstrasse 23, D-71277 Ru- tesheim (DE).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) WO 99/19677 (13) A1

(21) PCT/KR98/00021

(22) 3 Feb/fév 1998 (03.02.1998)

(25) en (26) en

(31) 1997/28349 (32) 13 Oct/oct 1997 (13.10.1997) (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F25D 3/10

(54) ● CAN COOLING DEVICE

● REFRIGERISSEUR POUR BOITES-BOISSONS

(71, 72) YOO, Song, Kwon [KR/KR]; 172-7, Bulk- wang 2-dong, Eunpyung-ku, Seoul 122-042 (KR).

(74) LEE, Duck, Rog; Sungkog Building, 3rd floor, 823-22, Yorksam-dong, Kangnam-ku, Seoul 135-080 (KR).

(81) AU BR CA CN JP MX US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/19678 (13) A1

(21) PCT/EP98/06601

(22) 16 Oct/oct 1998 (16.10.1998)

(25) de (26) de

(31) 197 45 825.4 (32) 16 Oct/oct 1997 (16.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F25D 23/06

(54) ● HEAT-INSULATING WALLS

● PAROIS D'ISOLATION THERMIQUE

(71) BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH [DE/DE]; Hochstrasse 17, D-81669 München (DE).

(72) HIRATH, Jürgen; Osterholtzstrasse 162, D-89522 Heidenheim (DE). SCHÜTTE, Markus; Goethes- trasse 10, D-90409 Nürnberg (DE).

(81) BR CN JP KR PL RU SI TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) WO 99/19679 (13) A1

(21) PCT/US98/21422

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) 08/947,757 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ F25D 23/12

(54) ● MODULAR TEMPERATURE MAINTAINING FOOD RECEPTACLE SYSTEM

● SYSTEME DE CONTENANT ALIMEN- TAIRE MODULAIRE A TEMPERATURE REGLABLE

(71, 72) WARREN, John, S. [US/US]; 35871 North Helendale, Ingleside, IL 60041 (US).

- (74) **WEINSTEIN, Mitchell, J.** et al. / etc.; Welsh & Katz, Ltd., 22nd floor, 120 South Riverside Plaza, Chicago, IL 60606 (US).
- (81) AL AU BA BB BG BR CA CN CZ EE GE HU ID IL IS JP KE KP KR LC LK LR LT LV MD MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19680** (13) A1

(21) PCT/ES98/00159

(22) **3 Jun/juin 1998 (03.06.1998)**

(25) es (26) es

(31) U 9702583 (32) **10 Oct/oct 1997 (10.10.1997)** (33) ES

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F26B 21/08, 15/12, 17/04**

- (54) ● TUNNEL FOR DRYING FRUITS AND VEGETABLES
● TUNNEL DE SECHAGE DE FRUITS ET DE LEGUMES

(71) **C.M.C. MAQUINARIA HORTOFRUTICOLA, S.L.** [ES/ES]; Polígono Industrial Alcodar, F-5, No.4, E-46700 Gandía (ES).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CATALA CANET, Jaime** [ES/ES]; Polígono Industrial Alcodar, F-5, No.4, E-46700 Gandía (ES).

(74) **CRESPO CASTRO, Emilio J.**; Calle Angel Guimerá 46, 22, E-46008 Valencia (ES).

(81) BR CA CN IL MX PL RU TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (a)

(11) **WO 99/19681** (13) A1

(21) PCT/US98/16968

(22) **14 Aug/août 1998 (14.08.1998)**

(25) en (26) en

(31) 08/949,572 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F27B 9/16, F27D 3/00**

- (54) ● CHARGING APPARATUS FOR A ROTARY HEARTH FURNACE
● APPAREIL DE CHARGEMENT POUR FOUR A SOLE ROTATIF

(71) **MAUMEE RESEARCH & ENGINEERING, INCORPORATED** [US/US]; 8015 Rinker Point, Northwood, OH 43619 (US).

(72) **RINKER, Franklin, G.**; 109 Secor Woods Lane, Perrysburg, OH 43551 (US). **MOLNAR, Daniel, A.**; 26486 Catawba Drive, Perrysburg, OH 43551 (US). **PORTER, Carl, L.**; 7004 Windham Parkway, Prospect, KY 40059 (US). **HOWE, James**; 1030 Birchwood, Temperance, MI 48182 (US).

(74) **MEENAN, Larry, R.**; MacMillan, Sobanski & Todd, LLC, One Maritime Plaza, 4th floor, 720 Water Street, Toledo, OH 43604 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19682** (13) A1

(21) PCT/US98/21821

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/951,801 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F27D 17/00, F01N 3/10**

- (54) ● ROTARY VALVE THERMAL OXIDIZER
● DISPOSITIF D'OXYDATION THERMIQUE A ROBINET A TOURNANT

(71) **SMITH ENGINEERING COMPANY** [US/US]; 2837 East Cedar Street, Ontario, CA 91761 (US).

(72) **JOHNSON, Jeffrey, C.**; 31586 Mayfair Lane, Beverly Hills, MI 48025 (US). **TRUPPI, Thomas, J.**; 2460 Heritage Drive, Corona, CA 91720 (US). **HENDRICKS, Erwin**; 3985 Topaz Lane, LaVerne, CA 91750 (US). **WHEELER, Theodore, R.**; 3911 Kinmount, Los Alamitos, CA 90720 (US).

(74) **SCAVONE, Thomas, G.** et al. / etc.; Niro, Scavone, Haller & Niro, Suite 4600, 181 W. Madison, Chicago, IL 60602 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19683** (13) A1

(21) PCT/US98/21745

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/950,721 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F28D 1/02, F28F 3/04, 1/26**

- (54) ● MODULAR HEAT EXCHANGER AND METHOD OF MAKING
● ECHANGEUR DE CHALEUR MODULAIRE ET SON PROCEDE DE FABRICATION

(63) US 08/950,721 (CIP)
15 Oct/oct 1997 (15.10.1997)

(71, 72) **DIERBECK, Robert, F.** [US/US]; 2707 Hall Road, Hartford, WI 53027 (US).

(74) **JOCHMAN, Joseph, J., Jr.** et al. / etc.; Andrus, Sceales, Starke & Sawall, LLP, Suite 1100, 100 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19684** (13) A1

(21) PCT/DK98/00450

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) da (26) en

(31) 1182/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DK

(31) 01315/98 (32) **14 Oct/oct 1998 (14.10.1998)** (33) DK

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F41H 11/12**

- (54) ● A MINE DETECTOR AND A METHOD FOR DETECTING MINES
● DETECTEUR DE MINES ET PROCEDE DE DETECTION DE MINES

(71) **MINEDETEKTOR APS** [DK/DK]; Krogbjerg 6, DK-2720 Vanløse (DK).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHRISTENSEN, Lars** [DK/DK]; Krogbjerg 6, DK-2720 Vanløse (DK). **JENSEN, Michael** [DK/DK]; Vestermarksvej 1b, DK-8723 Løsning (DK).

(74) **HOLME, Edvard**; Holme Patent a/s, Vesterbrogade 20, DK-1620 Copenhagen V (DK).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19685** (13) A1

(21) PCT/FR98/02127

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) fr (26) fr

(31) 97/12754 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **F42B 14/06**

- (54) ● LAUNCHER WITH ENHANCED TIGHTNESS FOR AMMUNITIONS COMPRISING A LAUNCHER ASSOCIATED WITH A SUB-PROJECTILE
● LANCEUR A ETANCHEITE AMELIOREE POUR MUNITIONS DU TYPE COMPOSITE UN LANCEUR ASSOCIE A UN SOUS-PROJECTILE

(71, 72) **SAUVESTRE, Jean-Claude** [FR/FR]; 64, rue de la Vallée, F-18230 Saint-Doulchard (FR).

(74) **L'HELGOUALCH, Jean** et al. / etc.; Cabinet Sœur & L'Helgoualch, 109, boulevard Haussmann, F-75008 Paris (FR).

(81) AU BG BR CA CZ HU JP KR LT LV MX NO NZ PL RO RU SG SI SK TR UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19686** (13) A1

(21) PCT/JP97/03701

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01B 9/02**

(54) ● INTERFEROMETER
● INTERFEROMETRE

(71) **HERUTSU KOGYO KABUSHIKI KAISHA** [JP/JP]; 5-1, Sakae-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **YOSHINO, Toshihiko** [JP/JP]; 4-12, Maihama 3-chome, Urayasu-shi, Chiba 279 (JP).

(74) **FUJISAWA, Noriaki** et al. / etc.; Yoshizumi Building, 17-12, Kyobashi 1-chome, Chuo-Ku, Tokyo 104 (JP).

(81) US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19687** (13) A1

(21) PCT/IB98/01404

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(31) 97203224.7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01B 11/06, G01N 21/00 // H01J 9/42**

(54) ● METHOD OF INSPECTING A SUBSTRATE FURNISHED WITH A PHOSPHOR LAYER
● PROCEDE D'INSPECTION D'UN SUBSTRAT RECOUVERT D'UNE COUCHE LUMINO-PHORE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **GEHRING, Frederik, Christiaan**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **VAN RIJSEWIJK, Lambertus, Jacobus, Joseph**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **SCHOLTEN, Pieter**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **UITTERHOEVE, Petrus, Josephus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) **VAN STRAATEN, Joop**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19688** (13) A1

(21) PCT/JP98/04498

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) ja (26) ja

(31) 9/277183 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01C 19/56, G01P 9/04**

(54) ● OSCILLATION GYRO EQUIPPED WITH THIN PZT FILM
● GYROSCOPE OSCILLANT POURVU D'UNE COUCHE MINCE AU TITANATE ZIRCONATE DE PLOMB (PZT)

(71) **KABUSHIKI KAISHA TOKAI RIKAI DENKI SEISAKUSHO** [JP/JP]; 260, Toyota 3-chome, Ohguchi-cho, Niwa-gun, Aichi-ken 480-0195 (JP).
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(72, 75) **IWATA, Hitoshi** [JP/JP]; Kabushiki Kaisha Tokai Rika Denki Seisakusho, 260, Toyota 3-chome, Ohguchi-cho, Niwa-gun, Aichi-ken 480-0195 (JP). **ITOIGAWA, Koichi** [JP/JP]; Kabushiki Kaisha Tokai Rika Denki Seisakusho, 260, Toyota 3-chome, Ohguchi-cho, Niwa-gun, Aichi-ken 480-0195 (JP).

(74) **ONDA, Hironori**; 12-1, Ohmiya-cho 2-chome, Gifu-shi, Gifu-ken 500-8731 (JP).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19689** (13) A1

(21) PCT/JP98/04634

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) ja (26) ja

(31) 9/296396 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01C 19/56, G01P 9/04**

(54) ● ANGULAR VELOCITY SENSOR
● DETECTEUR DE VITESSE ANGULAIRE

(71) **OMRON CORPORATION** [JP/JP]; 10, Tsuchido-cho, Hanazono, Ukyo-ku, Kyoto-shi, Kyoto 616-8025 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IKEDA, Masaaki** [JP/JP]; Omron Corporation, 10, Tsuchido-cho, Hanazono, Ukyo-ku, Kyoto-shi, Kyoto 616-8025 (JP). **TOTANI, Hiromi** [JP/JP]; Omron Corporation, 10, Tsuchido-cho, Hanazono, Ukyo-ku, Kyoto-shi, Kyoto 616-8025 (JP). **OKURA, Kiyotoshi** [JP/JP]; Omron Corporation, 10, Tsuchido-cho, Hanazono, Ukyo-ku, Kyoto-shi, Kyoto 616-8025 (JP). **GOTO, Hiroshi** [JP/JP]; Omron Corporation, 10, Tsuchido-cho, Hanazono, Ukyo-ku, Kyoto-shi, Kyoto 616-8025 (JP).

(74) **USHIKU, Kenji** et al. / etc.; Shimbashi Frontier Building, 7th floor, 4-5, Shimbashi 3-chome, Minato-ku, Tokyo 105-0004 (JP).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19690** (13) A1

(21) PCT/US98/21768

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/951,145 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01D 5/16, G01K 7/24, G01L 1/22**

(54) ● FORCE SENSING RESISTOR CONDITIONING CIRCUIT
● CIRCUIT DE CONDITIONNEMENT DE RESISTANCE DETECTANT LA FORCE

(71) **VITAL INNOVATIONS, INC.** [US/US]; 423 South Berkley Road, Kokomo, IN 46901 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHOUSEK, Brian, Walter** [US/US]; 308 South Western Avenue, Kokomo, IN 46901 (US).

(74) **REID, John, S.** et al. / etc.; Wells, St. John, Roberts, Gregory & Matkin P.S., Suite 1300, 601 West First Avenue, Spokane, WA 99201-3828 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9721891.1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01D 5/20, G01B 7/30**

(54) ● POSITION SENSOR
● CAPTEUR DE POSITION

(71) **SCIENTIFIC GENERICS LIMITED** [GB/GB]; Harston Mill, Harston, Cambridgeshire CB2 5NH (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ELY, David, Thomas, Eliot** [GB/GB]; Scientific Generics Limited, Harston Mill, Harston, Cambridgeshire CB2 5NH (GB). **DAMES, Andrew, Nicholas** [GB/GB]; 74 de Freville Avenue, Cambridge CB4 1HU (GB).

(74) **BERESFORD, Keith, Denis, Lewis** et al. / etc.; Beresford & Co., 2-5 Warwick Court, High Holborn, London WC1R 5DJ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(25) en (26) en

(31) 08/948,493 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01D 5/34**

(54) ● MEASUREMENT AND CONTROL SYSTEM UTILIZING ROTATIONAL PARAMETERS OF A ROTATING DEVICE
● SYSTEME DE MESURE ET DE CONTROLE UTILISANT DES PARAMETRES DE ROTATION D'UN DISPOSITIF ROTATIF

(71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).

- (72) **LEGG, Geoffrey, A.**; 6 Savoy Street, North Billerica, MA 01862 (US). **RILEY, Gerard, P.**; 41 Cardinal Drive, Chester, NH 03036 (US). **WEEDON, Hans, J.**; 1A Daniels Street Court, Salem, MA 01864 (US).
- (74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19693** (13) A1
(21) PCT/GB98/03036
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 9721473.8 (32) **9 Oct/oct 1997 (09.10.1997)** (33) GB
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01D 5/353**
(54) ● INTERFEROMETRIC SENSING APPARATUS
● APPAREIL DE DETECTION INTERFEROMETRIQUE
(71) **GEOSENSOR CORPORATION** [US/US]; Suite 210, 10500 Westoffice, Houston, TX 77042-5326 (US).
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(72, 75) **KLUTH, Erhard, Lothar, Edgar** [CA/GB]; The Town Mill, Alresford, Hampshire SO24 9DD (GB). **VARNHAM, Malcolm, Paul** [GB/GB]; 76 Grange Road, Alresford, Hampshire SO24 9HF (GB). **BULL, Philip** [GB/US]; 14746 Bramblewood, Houston, TX 77079 (US). **LUSCOMBE, John** [GB/US]; 2922 Williams Grant, Sugar Land, TX 77479 (US).
- (74) **JONES, Graham, Henry**; Graham Jones & Company, 77 Beaconsfield Road, Blackheath, London SE3 7LG (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19694** (13) A1
(21) PCT/JP98/04633
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) ja (26) ja
(31) 9/281626 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(31) 9/281627 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
(31) 9/291048 (32) **23 Oct/oct 1997 (23.10.1997)** (33) JP
(31) 10/104761 (32) **15 Apr/avr 1998 (15.04.1998)** (33) JP
(31) 10/165618 (32) **12 Jun/juin 1998 (12.06.1998)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G01F 1/68, F23N 5/18, F23D 11/28, F23N 1/00, F23K 5/04**
- (54) ● FLOW RATE SENSOR, FLOW METER, AND DISCHARGE RATE CONTROL APPARATUS FOR LIQUID DISCHARGE MACHINES
● DETECTEUR DE DEBIT, DEBITMETRE ET APPAREIL DE REGULATION DE VITESSE DE DECHARGE POUR MACHINES A DECHARGE DE LIQUIDES
- (71) **mitsui mining & smelting Co., LTD.** [JP/JP]; 1-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo 103-0022 (JP).
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- (72, 75) **KOTAKA, Hirofumi** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **KOIKE, Atsushi** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **YAMAGICHI, Kiyoshi** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **KAWANISHI, Toshiaki** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **TOMONARI, Kenji** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **INOUE, Shimichi** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **TOCHIO, Yukihiko** [JP/JP]; Mitsui Mining & Smelting Co., Ltd., Corporate R & D Center, 1333-2, Haraichi, Ageo-shi, Saitama 362-0021 (JP). **MIYAJIMA, Hiromitsu** [JP/JP]; Aichi Instrumentation Engineering Co., Ltd., 2-88, Kokihigashi, Komaki-shi, Aichi 485-0059 (JP).
- (74) **YAMASHITA, Johei**; Yamashita & Associates, SVAX Hamamatsu-cho Building, 18-14, Hamamatsu-cho 1-chome, Minato-ku, Tokyo 105-0013 (JP).
- (81) CA CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19695** (13) A2
(21) PCT/US98/19545
(22) **22 Sep/sep 1998 (22.09.1998)**
(25) en (26) en
(31) 08/950,643 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01F 1/68**
(54) ● MASS FLOW SENSOR SYSTEM FOR FAST TEMPERATURE SENSING RESPONSES
● SYSTEME DE CAPTEUR DE DEBIT MASIQUE DESTINE A DES REPONSES DE DETECTION RAPIDE DE TEMPERATURES
- (71) **MCMILLAN COMPANY** [US/US]; P.O. Box 1340, Georgetown, TX 78627-1340 (US).
- (72) **MCMILLAN, Robert, D.**; 7075 R.R. 2338, Georgetown, TX 78628 (US). **MCMILLAN, Robert, M.**; 7075 R.R. 2338, Georgetown, TX 78628 (US).
- (74) **KIMBALL, Albert, B., Jr.** et al. / etc.; Pravel, Hewitt & Kimball, 10th floor, 1177 West Loop South, Houston, TX 77027 (US).
- (81) DE GB JP.
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- (11) **WO 99/19696** (13) A1
(21) PCT/DE98/02306
(22) **11 Aug/août 1998 (11.08.1998)**
(25) de (26) de
(31) 197 44 358.3 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01F 25/00, F02M 65/00**
(54) ● DEVICE AND METHOD FOR CALIBRATING HYDRAULIC FLOW-RATE MEASURING SYSTEMS
● DISPOSITIF ET PROCEDURE POUR L'ETALONNAGE DE SYSTEMES DE MESURE DE DEBIT HYDRAULIQUES
- (71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **OFEN, Rolf** [DE/DE]; Brünleinstrasse 3, D-96173 Oberhaid (DE). **SCHÖFFEL, Eberhard** [DE/DE]; Meranierstrasse 42, D-96049 Bamberg (DE). **KROPF, Klaus** [DE/DE]; Mannlehenweg 32, D-96050 Bamberg (DE). **VON WACHTER, Friedrich** [DE/DE]; Andreas-Hofer-Strasse 12, D-96049 Bamberg (DE). **SEIDEL, Josef** [DE/DE]; Leonhardstrasse 9, D-96149 Breitenfüßbach (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19697** (13) A1
(21) PCT/CH98/00435
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) de (26) de
(31) 2365/97 (32) **9 Oct/oct 1997 (09.10.1997)** (33) CH
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01G 3/14, 19/02, G08G 1/01, G01L 1/22**
(54) ● FORCE SENSOR
● CAPTEUR DE FORCE
- (71) **HAENNI & CIE AG** [CH/CH]; Bernstrasse 59, CH-3303 Jegenstorf (CH).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SCHUTTER, Felix** [CH/CH]; Krauchthalstrasse 54A, CH-3065 Bolligen (CH). **MAURER, Christian** [CH/CH]; Untermattweg 58, CH-3027 Bern (CH).
- (74) **ROSHARDT, Werner, A.**; Keller & Partner Patentanwälte AG, Zeughausgasse 5, Postfach, CH-3000 Bern 7 (CH).
- (81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19698** (13) A1
(21) PCT/US98/20931
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/949,905 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01H 17/00**
(54) ● APPARATUS AND METHOD FOR COMPRESSING MEASUREMENT DATA CORRELATIVE TO MACHINE STATUS
● APPAREIL ET PROCEDURE DE COMPRESSION DE DONNEES DE MESURE CORRELATIVES AVEC L'ETAT D'UNE MACHINE

- (71) **BENTLY NEVADA CORPORATION** [US/US]; 1617 Water Street, Minden, NV 89423 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HALA, Roger, A.** [US/US]; 1617 Water Street, Minden, NV 89423 (US).
- (74) **KRETEN, Bernhard**; Suite 245, 77 Cadillac Drive, Sacramento, CA 95825 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 08/949,701 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01K 1/02**

- (54) ● METHOD AND APPARATUS FOR MONITORING COMPUTER SYSTEM SERVICE LIFE PARAMETERS
- PROCEDE ET APPAREIL DE SURVEILLANCE DE PARAMETRES DE DUREE DE VIE UTILE DE SYSTEMES INFORMATIQUES
- (71) **NEMATRON CORPORATION** [US/US]; 5840 Interface Drive, Ann Arbor, MI 48103 (US).

(72) **VINK, Anthony, B.**; 8951 Tamarack, Plymouth Twp., MI 48170 (US). **CHEN, Yulei**; 653 W. Hancock #108, Detroit, MI 48201 (US).

(74) **MILTON, Harold, W.** et al. / etc.; Howard & Howard Attorneys P.C., Suite 101, 1400 North Woodward Avenue, Bloomfield Hills, MI 48304 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19700** (13) A1
- (21) PCT/US98/21358
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/947,502 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01K 11/00, G01J 5/58, 5/62**

- (54) ● TEMPERATURE MEASURING METHOD AND APPARATUS
- PROCEDE ET APPAREIL DE MESURE DE TEMPERATURE

(71) **C.I. SYSTEMS LTD.** [IL/IL]; P.O. Box 147, 10551 Migdal Haemek (IL).
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(71) **FRIEDMAN, Mark, M.** [US/IL]; Alharizi 1, Raanana (IL).
(only for / seulement pour TJ)

(72, 75) **ADEL, Michael** [IL/IL]; Hameyasdim 38, Zichron Yaakov (IL). **CABIB, Dario** [IL/IL]; Habrosh 7, Timrat (IL). **ISH-SHALOM, Yaron** [IL/IL]; Zevulun II, Kiryat Tivon (IL). **MANGAN, Shmuel** [IL/IL]; Tchernichovsky 80, Jerusalem (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19701** (13) A1
- (21) PCT/IL98/00495
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 121959 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01K 13/00**

(54) ● EAR TEMPERATURE MEASURING DEVICE

● APPAREIL DE MESURE DE LA TEMPERATURE DE L'OREILLE

(71, 72) **LEVANON, Baruch** [IL/IL]; Ahad Ha'am Street 43, 43211 Raanana (IL).

(74) **COLB, Sanford, T.** et al. / etc.; Sanford T. Colb & Co., P.O. Box 2273, 76122 Rehovot (IL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19702** (13) A1
- (21) PCT/US97/18333
- (22) **9 Oct/oct 1997 (09.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01K 17/00**

(54) ● DIFFERENTIAL THERMOPILE HEAT FLUX TRANSDUCER

● FLUXMETRE THERMIQUE A THERMOPILE DIFFERENTIELLE

(71) **VATELL CORPORATION** [US/US]; 2001 S. Main Street, Blacksburg, VA 24060 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PEABODY, Hume, L.** [US/US]; 313 New Kent Road, Blacksburg, VA 24060 (US).

(74) **EWERT, Alfred et al.** / etc.; Morgan & Finnegan LLP, 345 Park Avenue, New York, NY 10154 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19703** (13) A2

(21) PCT/US98/21756

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/953,847 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01L**

(54) ● COLLECTION APPARATUS FOR USE WITH BLOWER/VACUUM UNITS

● APPAREIL COLLECTEUR S'UTILISANT AVEC DES EQUIPEMENTS DE SOUFFLAGE/ASPIRATION

(71) **UPKEEPER CORPORATION** [US/US]; P.O. Box 23480, Charlotte, NC 28227 (US).

(72) **MCINTYRE, Paul, Curtis**; 4742 Squirrel Nest Lane, Charlotte, NC 28227 (US). **ROBINSON, Michael, A.**; 4731 Squirrel Nest Lane, Charlotte, NC 28227 (US).

(74) **CALKINS, Charles, W.**; Kilpatrick Stockton LLP, 1001 West Fourth Street, Winston-Salem, NC 27101 (US).

(81) CA GB MX.

(11) **WO 99/19704** (13) A1

(21) PCT/US98/18070

(22) **31 Aug/août 1998 (31.08.1998)**

(25) en (26) en

(31) 08/948,680 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01L 5/00, A61B 5/03**

(54) ● EMBEDDED SEMICONDUCTOR PRESSURE SENSORS, TOCODYNAMOMETERS

● CAPTEURS DE PRESSION A SEMI-CONDUCTEUR NOYE, TOCODYNAMOMETRES

(71) **NOVATRIX, INC.** [US/US]; 6078 Corte Del Cedro, Carlsbad, CA 92009 (US).

(72) **ROYCROFT, Patrick, R.**; 190 Red Mountain Lane, Fallbrook, CA 92028 (US). **SAVILLE, Steven, T.**; 1598 Madrid Drive, Vista, CA 92083 (US).

(74) **MUSICK, Eleanor, M.** et al. / etc.; Brown, Martin, Haller & McClain, 1660 Union Street, San Diego, CA 92101-2926 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19705** (13) A1

(21) PCT/GB98/03009

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,925 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01M 3/06**

(54) ● A METHOD OF LEAK TESTING AN ASSEMBLED PLATE TYPE HEAT EXCHANGER
● PROCÉDE DE RÉALISATION D'ESSAIS D'ÉTANCHEITÉ SUR UN ÉCHANGEUR DE CHALEUR DE TYPE A PLATEAUX

(71) **APV NORTH AMERICA, INC.** [US/US]; 9525 W. Bryn Mawr Avenue, Rosemont, IL 60018 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHAW, Jonathan, Graham** [GB/US]; 203 Ann Street, Goldsboro, NC 27534-8915 (US).

(74) **BARKER BRETTELL**; 138 Hagley Road, Edgbaston, Birmingham B16 9PW (GB).

(81) AU CA DE DK GB US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19706** (13) A1

(21) PCT/GB98/03010

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,124 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01M 3/22, 3/14, 3/04**

(54) ● A METHOD OF LEAK TESTING AN ASSEMBLED PLATE TYPE HEAT EXCHANGER
● PROCÉDE DE RÉALISATION D'ESSAIS D'ÉTANCHEITÉ SUR UN ÉCHANGEUR DE CHALEUR DE TYPE A PLATEAUX ASSEMBLE

(71) **APV NORTH AMERICA, INC.** [US/US]; 9525 W. Bryn Mawr Avenue, Rosemont, IL 60018 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SHAW, Jonathan, Graham** [GB/US]; 203 Ann Street, Goldsboro, NC 27534-8915 (US). **DALL, Stephan** [DK/DK]; Brakkervej 29, DK-6040 Egtved (DK).

(74) **BARKER BRETTELL**; 138 Hagley Road, Edgbaston, Birmingham B16 9PW (GB).

(81) AU CA DE DK GB US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19707** (13) A1

(21) PCT/US97/18772

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01M 3/22, 3/10**

(54) ● USE OF HYDROFLUOROETHERS AS TEST LIQUID IN THE TESTING OF AN ELECTRONIC COMPONENT
● UTILISATION D'HYDROFLUOROETHERS COMME LIQUIDE DE TEST LORS DU TEST D'UN COMPOSANT ELECTRONIQUE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GRENFELL, Mark, W.** [US/US]; 1616 Lamplight Drive, Woodbury, MN 55125 (US).

(74) **MAKI, Eloise, J.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19708** (13) A1

(21) PCT/US98/16846

(22) **13 Aug/août 1998 (13.08.1998)**

(25) en (26) en

(31) 08/949,213 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01M 19/00**

(54) ● TEMPLATE FOR DESIGNING HUMAN SEATING ACCOMODATIONS
● GABARIT DE DESSIN DE SIEGES POUR PERSONNES

(71) **THE BOARD OF TRUSTEES OPERATING MICHIGAN STATE UNIVERSITY** [US/US]; 238 Administration Building, East Lansing, MI 48824-1046 (US).

(72) **REYNOLDS, Herbert, M.**; 1319 Dennison, East Lansing, MI 48823-2194 (US). **KERR, Robert**; 723 S. Diamond Road, Mason, MI 48854-9601 (US). **BRODEUR, Raymond**; 4557 Tacoma Boulevard, Okemos, MI 48864 (US). **RAYES, Khaldoun**; 2916-3B Trappers Cove Trail, Lansing, MI 48910 (US). **NEAL, Douglas**; 725 Howard Street, Chelsea, MI 48118 (US). **CUL, Yuntao**; 224C Halsey Street, Princeton, CT 08540 (US).

(74) **BLISS, Daniel, H.**; Bliss McGlynn, P.C., Suite 600, 2075 W. Big Beaver Road, Troy, MI 48084 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19709** (13) A1

(21) PCT/JP98/04586

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) ja (26) ja

(31) 9/293225 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(31) 10/46396 (32) **13 Feb/fév 1998 (13.02.1998)** (33) JP

(31) 10/244684 (32) **31 Aug/août 1998 (31.08.1998)** (33) JP

(31) 10/274715 (32) **29 Sep/sep 1998 (29.09.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 1/04**

(54) ● SAMPLE COLLECTING MEMBER AND WIPING INSPECTION INSTRUMENT
● ELEMENT DE PRELEVEMENT D'ECHANTILLONS ET INSTRUMENT DE CONTROLE D'ESSUYAGE

(71) **KIKKOMAN CORPORATION** [JP/JP]; 339, Noda, Noda-shi, Chiba-ken 278-0037 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **IGARASHI, Toshinori** [JP/JP]; Kikkoman Corporation, 339, Noda, Noda-shi, Chiba-ken 278-0037 (JP). **HATTORI, Noriaki** [JP/JP]; Kikkoman Corporation, 339, Noda, Noda-shi, Chiba-ken 278-0037 (JP). **MURAKAMI, Seiji** [JP/JP]; Kikkoman Corporation, 339, Noda, Noda-shi, Chiba-ken 278-0037 (JP). **SAKAKI-BARA, Tatsuya** [JP/JP]; Kikkoman Corporation, 339, Noda, Noda-shi, Chiba-ken 278-0037 (JP). **SAITO, Morisaku** [JP/JP]; 39-2, Arakawa 5-chome, Arakawa-ku, Tokyo 116-0002 (JP).

(74) **SHIMODA, Yo-ichiro**; Akasaka Grace Building, 3-6, Akasaka 1-chome, Minato-ku, Tokyo 107-0052 (JP).

(81) AU CA CN KR NZ SG US; EP (BE DE FR GB NL).

(11) **WO 99/19710** (13) A1

(21) PCT/EP98/06437

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) de (26) de

(31) 197 44 983.2 (32) **13 Oct/oct 1997 (13.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 1/06**

(54) ● KNIFE HOLDER AND KNIFE FOR A MICROTOME
● PORTE-LAME ET LAME POUR MICROTOME

(71) **MICROM LABORGERÄTE GMBH** [DE/DE]; Robert-Bosch-Strasse 49, D-69190 Walldorf (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOROSIC, Drago** [DE/DE]; Dampfpfad 2, D-69214 Eppelheim (DE).

(74) **GNATZIG, Klaus** et al. / etc.; Carl Zeiss, Patentabteilung, D-73446 Oberkochen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19711** (13) A1

(21) PCT/US98/21860

- (22) **16 Oct/oct 1998 (16.10.1998)**
 (25) en (26) en
 (31) 60/062,203 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 1/36, 1/06**
 (54) ● METHOD FOR PRODUCING ARRAYS AND DEVICES RELATING THERETO
 ● PROCEDE DE PRODUCTION DE MATRICES ET DISPOSITIFS Y RELATIFS
 (63) US 60/062,203 (CIP)
 16 Oct/oct 1997 (16.10.1997)
 (71, 72) **MILLSTEIN, Larry, S.** [US/US]; P.O. Box 6196, Springfield, VA 22150-6196 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19712** (13) A1
 (21) PCT/GB98/02991
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 9721608.9 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
 (31) 9721609.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 21/35, 21/31**
 (54) ● OPTICAL GAS DETECTION
 ● DETECTION OPTIQUE DE GAZ
 (71) **ZELLWEGER ANALYTICS LIMITED** [GB/GB]; Hatch Pond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset BH17 0RZ (GB).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **RICHMAN, Lee** [GB/GB]; Zellweger Analytics Limited, Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset BH17 0RZ (GB).
 (74) **HEDLEY, Nicholas, James, Matthew;** Stephenson Harwood, One St. Paul's Churchyard, London EC4M 8SH (GB).
 (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19713** (13) A1
 (21) PCT/US98/16824
 (22) **13 Aug/août 1998 (13.08.1998)**
 (25) en (26) en
 (31) 08/948,450 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 23/00**
 (54) ● AREA DETECTOR ARRAY FOR COMPUTED TOMOGRAPHY SCANNING SYSTEM
 ● ENSEMBLE DETECTEUR DE SURFACE POUR SYSTEME DE BALAYAGE TOMOGRAPHIQUE PAR ORDINATEUR
 (71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).
 (72) **SCHAFER, David, A.;** 10 Crescent Street, Natick, MA 01760 (US). **HAROOTIAN, Simon, George;** 12 Rollingwood Drive, Worcester, MA 01609 (US). **MARCOVICI, Sorin;** 1 Todd Road, Lexington, MA 02173 (US).
 (74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19714** (13) A1
 (21) PCT/US98/17206
 (22) **19 Aug/août 1998 (19.08.1998)**
 (25) en (26) en
 (31) 08/948,692 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 23/00**
 (54) ● CLOSED LOOP AIR CONDITIONING SYSTEM FOR A COMPUTED TOMOGRAPHY SCANNER
 ● SYSTEME DE CONDITIONNEMENT D'AIR A BOUCLE FERMEE POUR TOMODENSITOMETRE ASSISTE PAR ORDINATEUR
 (71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).
 (72) **BAILEY, Eric, M.;** 193 Wheelright Road, Hampstead, NH 03841 (US). **TYBINKOWSKI, Andrew, P.;** 39 Burning Bush Drive, Boxford, MA 01921 (US).
 (74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19715** (13) A1
 (21) PCT/US98/17225
 (22) **19 Aug/août 1998 (19.08.1998)**
 (25) en (26) en
 (31) 08/948,698 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 23/00**
 (54) ● CT TARGET DETECTION USING SURFACE NORMALS
 ● DETECTION DE CIBLE PAR TOMOGRAPHIE ASSISTEE PAR ORDINATEUR AU MOYEN DES NORMALES A LA SURFACE
 (71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).
 (72) **GORDON, Bernard, M.;** 32 Masconomo Street, Manchester, MA 01944 (US). **CRAWFORD, Carl, R.;** Apartment 207, 20 Webster Street, Brookline, MA 02146 (US). **SCHAFER, David, A.;** 10 Crescent Street, Natick, MA 01760 (US). **BAILEY, Eric;** 193 Wheelright Road, Hampstead, NH 03841 (US). **WEEDON, Hans, J.;** 1A Daniels Street Court, Salem, MA 01970 (US). **RUTH, Christopher, C.;** 34 Locust Street, Danvers, MA 01923 (US).
 (74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19716** (13) A1
 (21) PCT/US98/18515
 (22) **4 Sep/sep 1998 (04.09.1998)**
 (25) en (26) en
 (31) 08/948,937 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 08/948,928 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 08/948,929 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (31) 08/949,127 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01N 23/04**
 (54) ● ROTARY ENERGY SHIELD FOR COMPUTED TOMOGRAPHY SCANNER
 ● BLINDAGE ROTATIF DE PROTECTION CONTRE LES RAYONS X POUR TOMODENSITOMETRE ASSISTE PAR ORDINATEUR
 (71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).
 (72) **TYBINKOWSKI, Andrew, P.;** 39 Burning Bush Drive, Boxford, MA 01921 (US). **DUFFY, Michael, J.;** 187 Lowell Street, Methuen, MA 01844 (US). **MCKENNA, Gilbert, W.;** 805 Winthrop Street, Revere, MA 02151 (US).
 (74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19717** (13) A1
(21) PCT/US98/21869
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 08/950,403 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 25/22**
(54) ● LAMINATE MICROSTRUCTURE DEVICE AND METHOD FOR MAKING SAME
● DISPOSITIF A MICROSTRUCTURE STRATIFIEE ET PROCEDE DE FABRICATION DE CE DISPOSITIF
(63) US 08/950,403 (CIP)
15 Oct/oct 1997 (15.10.1997)
(71) **ACLARA BIOSCIENCES, INC.** [US/US]; 3906 Trust Way, Hayward, CA 94545 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **BJORNSON, Torleif, Ove** [SE/US]; 7030 Daniel Court, Gilroy, CA 9502 (US). **SHEA, Laurence, R.** [US/US]; 881 Cherry Creek Circle, San Jose, CA 95126 (US).
(74) **TRECARTIN, Richard, F.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19718** (13) A2
(21) PCT/DE98/02937
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) de (26) de
(31) 197 44 316.8 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 27/00**
(54) ● OXYGEN SENSOR
● CAPTEUR D'OXYGENE
(71) **UNIVERSITÄT KARLSRUHE** [DE/DE]; Kaiserstrasse 12, D-76128 Karlsruhe (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **MOOS, Ralf** [DE/DE]; Munttenriedstrasse 8, D-88048 Friedrichshafen (DE). **MENESKLOU, Wolfgang** [DE/DE]; Finkenweg 10, D-76761 Rühlheim (DE). **SCHREINER, Hans-Jürgen** [DE/DE]; Schulstrasse 30, D-67365 Schwegenheim (DE). **HÄRDTL, Karl-Heinz** [DE/DE]; Prof.-Eichmannstrasse 27, D-76767 Hagenbach (DE).
(74) **ZAHN, Roland**; Im Speitel 102, D-76229 Karlsruhe (DE).
(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19719** (13) A1
(21) PCT/EP98/06439
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) de (26) de
(31) 197 45 328.7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 27/12, 27/22, 33/00**
(54) ● NANOCRYSTALLINE SENSOR AND A PRODUCTION METHOD
● DETECTEUR NANOCRYSTALLIN ET SON PROCEDE DE FABRICATION
(71) **FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D-80636 München (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KELLER, Patrick** [DE/DE]; Erfweilerstrasse 19a, D-66399 Mandelbachtal (DE). **MEYER, Jörg-Uwe** [DE/DE]; Triftstrasse 17a, D-66386 St. Ingbert (DE). **FERKEL, Hans** [DE/DE]; Tannenbusch 3, D-38723 Seesen (DE). **RIEHMANN, Werner** [DE/DE]; Tannhöhe 6, D-38678 Clausthal-Zellerfeld (DE).
(74) **MÜNICH, Wilhelm**; Kanzlei, Münich & Kollegen, Wilhelm-Mayr-Strasse 11, D-80689 München (DE).
(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19720** (13) A1
(21) PCT/DE98/02925
(22) **1 Oct/oct 1998 (01.10.1998)**
(25) de (26) de
(31) 197 45 404.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 27/22**
(54) ● IMPREGNATION METHOD AND DEVICE FOR MONITORING THE IMPREGNATION OF A CARRIER MATERIAL
● PROCEDE D'IMPREGNATION ET DISPOSITIF DE CONTROLE DE L'IMPREGNATION D'UN MATERIAU SUPPORT
(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **SCHATTAUER, Dora** [DE/DE]; Brücktorstrasse 61, D-46047 Oberhausen (DE). **VELTEN, Kai** [DE/DE]; Pfaffenbergstrasse 14, D-67663 Kaiserslautern (DE). **ZEMITIS, Aivars** [LV/DE]; Mainzer Strasse 92, D-67657 Kaiserslautern (DE). **PFREUNDT, Franz-Josef** [DE/DE]; Torweg 40, D-67705 Stelzenberg (DE).
(74) **SIEMENS AG**; Postfach 22 16 34, D-80506 München (DE).
(81) CN CZ HU JP KR RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19721** (13) A1
(21) PCT/DE98/03005
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) de (26) de
(31) 197 45 328.7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 27/407**
(54) ● COMPOSITION STRUCTURE FOR NO-SENSORS
● STRUCTURE DE FORMATION DE DETECTEURS DE NO.
(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **SCHULTE, Thomas** [DE/DE]; James-F.-Byrnes-Strasse 44, D-70376 Stuttgart (DE). **WAHL, Thomas** [DE/DE]; Maximilianstrasse 40/42, D-75172 Pforzheim (DE). **SCHUMANN, Bernd** [DE/DE]; Daimlerstrasse 23, D-71277 Rutesheim (DE). **SCHUETZ, Reiner** [DE/DE]; Teckstrasse 3, D-71254 Ditzingen (DE). **WASER, Rainer** [DE/DE]; Am Schaaflweg 9a, D-52076 Aachen (DE).
(81) CZ JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19722** (13) A1
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(22) **15 Oct/oct 1998 (15.10.1998)**
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(31) 08/953,864 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G01N 27/407**
(54) ● CHEMICAL PLATING METHOD, ELECTROLYTIC CELL AND AUTOMOTIVE OXYGEN SENSOR USING IT
● PROCEDE DE DEPOT CHIMIQUE, CELLULE ELECTROLYTIQUE ET DETECTEUR D'OXYGENE POUR AUTOMOBILE L'UTILISANT
(71) **GLOBAL SYSTEMS INCORPORATED** [US/US]; 1435 Woodson Road, St. Louis, MO 63132 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **REIDMEYER, Mary, R.** [US/US]; Route 1, Box 230-A, Freeburg, MO 65035 (US). **DO-NELON, Matthew, J.** [US/US]; 4410 Concord, Wichita Falls, TX 76310 (US). **KILLION, Robert, F.** [US/US]; 14614 Old Halls Ferry, St. Louis, MO 63024 (US).
(74) **POLSTER, J., Philip**; Polster, Lieder, Woodruff & Lucchesi, 763 South New Ballas Road, St. Louis, MO 63141 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19723** (13) A1
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(31) 08/947,821 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 29/02**

(54) ● MEASUREMENT AND CONTROL OF ASPHALTENE AGGLOMERATION IN HYDRO-CARBON LIQUIDS

● EVALUATION ET CONTROLE DE L'AGGLOMERATION D'ASPHALTENE DANS LES HYDROCARBURES LIQUIDES

(63) US 08/947,821 (CIP)
9 Oct/oct 1997 (09.10.1997)(71) **BAKER HUGHES INCORPORATED** [US/US]; 3900 Essex Lane, Houston, TX 77027 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **JONES, Gregory, M.** [GB/GB]; 28 Bushbys Lane, Formby, Merseyside L37 2DZ (GB). **POVEY, Malcolm, J., W.** [GB/GB]; Greystones Farm, Bradshaw Lane, Huddersfield HD7 5UZ (GB). **CAMPBELL, John** [GB/GB]; 36 Cromptons Lane, Liverpool L18 3EX (GB).(74) **DUNLAP, Charles, E.** et al. / etc.; Howell & Haferkamp, L.C., Suite 1400, 7733 Forsyth Boulevard, St. Louis, MO 63105 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19724** (13) A1

(21) PCT/GB98/03023

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/949,203 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US(31) 9807836.3 (32) **14 Apr/avr 1998 (14.04.1998)** (33) GB(31) 09/087,417 (32) **29 May/mai 1998 (29.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 31/10**

(54) ● RADIATION ACTIVATION AND SCREENING OF CATALYST LIBRARIES FOR CATALYST EVALUATION AND REACTORS THEREFOR

● ACTIVATION DE RAYONNEMENT ET CRIBLAGE DE BIBLIOTHEQUES DE CATALYSEURS PERMETTANT D'EVALUER UN CATALYSEUR ET REACTEURS CORRESPONDANTS

(71) **BP CHEMICALS LIMITED** [GB/GB]; Britanic House, 1 Finsbury Circus, London EC2M 7BA (GB). **LASER CATALYST SYSTEMS INC.** [US/US]; 11000 Wilshire Boulevard, Box 24314, Los Angeles, CA 90024 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **ATKINS, Martin, Philip** [GB/GB]; 29 Chaucer Road, Ashford, Middlesex TW15 2QU (GB). **SENKAN, Selim, Mehmet** [US/US]; 1269 Warner Avenue, Los Angeles, CA 90024 (US).(74) **KRISHNAN, Suryanarayana, Kalyana**; BP International Limited, Group Patents & Agreements, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19725** (13) A1

(21) PCT/US98/14960

(22) **21 Jul/juil 1998 (21.07.1998)**

(25) en (26) en

(31) 08/949,318 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/00**

(54) ● METHODS FOR DETERMINING THE CONCENTRATION OF SURFACTANTS IN HYDROCARBONS

● METHODES PERMETTANT DE DETERMINER LA TENEUR EN TENSIOACTIFS D'HYDROCARBURES

(71) **BETZDEARBORN INC.** [US/US]; 4636 Somerton Road, P.O. Box 3002, Trevoise, PA 19053-6783 (US).(72) **PARKER, Wiley, L.**; 102 Pine Manor Drive, Conroe, TX 77385 (US). **GOLIASZEWSKI, Alan, E.**; 19 Postvine Court, The Woodlands, TX 77381 (US). **CALVERT, Nancy, R.**; 2218 Oak Shores, Kingwood, TX 77339 (US).(74) **VON NEIDA, Philip, H.** et al. / etc.; Betz-Dearbourn Inc., 4636 Somerton Road, Trevoise, PA 19053-6783 (US).

(81) CA IS NO TR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19726** (13) A1

(21) PCT/US98/21695

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,188 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US(31) 09/170,535 (32) **13 Oct/oct 1998 (13.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/00, 35/08, 35/10, 1/22, G05D 11/08**

(54) ● HYDROGEN SULFIDE ANALYZER

● DISPOSITIF D'ANALYSE DE SULFURE D'HYDROGENE

(71) **ISCO, INC.** [US/US]; 531 Westgate Boulevard, Lincoln, NE 68528-1586 (US).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **WRIGHT, Paul, G.** [US/US]; 1745 140th, Garland, NE 68360-9322 (US). **SHANNON, David, J.** [US/US]; 7351 Willow Avenue, Lincoln, NE 68507-2179 (US). **NICKOLAUS, Lowell, R.** [US/US]; 5083 Orchard Street, Lincoln, NE 68504-3264 (US). **FORMAN, Randy, J.** [US/US]; 2024 N. 32nd Street, Lincoln, NE 68503 (US). **MCDONALD, Clifford, L.** [US/US]; 1439 S. 28th Street, Lincoln, NE 68502 (US). **HORENSTEIN, Bennett, K.** [US/US]; 91 Rheem Boulevard, Orinda, CA 94563 (US).(74) **FIX, Richard, L.**; Henderson & Sturm, Suite 318, 7101 Mercy Road, Omaha, NE 68106-2619 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19727** (13) A1

(21) PCT/DK98/00449

(22) **15 Oct/oct 1998 (15.10.1998)**

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(31) 1179/97 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DK

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/12, A22B 5/00**

(54) ● METHOD AND APPARATUS FOR DETERMINATION OF A QUALITY PROPERTY OF A PIECE OF MEAT

● PROCEDE ET APPAREIL SERVANT A DETERMINER UNE PROPRIETE DE QUALITE D'UNE PIECE DE VIANDE

(71) **SLAGTERIERNES FORSKNINGSSINSTITUT** [DK/DK]; Maglegaardsvej 2, DK-4000 Roskilde (DK).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **ANDERSEN, Jan, Rud** [DK/DK]; Bygmarken 30, Kr. Sonnerup, DK-4000 Kirke Saaby (DK). **FORREST, John, C.** [US/US]; 203 Valley Drive, West Lafayette, IN 47906 (US). **BORGGAARD, Claus** [DK/DK]; Birkedevejen 20, DK-4130 Viby Sjaelland (DK). **RASMUSSEN, Allan, J.** [DK/DK]; Roegeskovvej 3, Roegeskov, DK-4250 Fuglebjerg (DK).(74) **SLAGTERIERNES FORSKNINGSSINSTITUT**; Maglegaardsvej 2, DK-4000 Roskilde (DK).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19728** (13) A1

(21) PCT/IL98/00466

(22) **27 Sep/sep 1998 (27.09.1998)**

(25) en (26) en

(31) 60/061,464 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/48**

(54) ● METHOD AND APPARATUS FOR MEASURING LIPID PEROXIDATION IN BIOLOGICAL FLUIDS AND SUSPENSIONS OF TISSUES

● PROCEDE ET APPAREIL DE MESURE DE LA PEROXYDATION D'UN LIPIDE DANS DES FLUIDES BIOLOGIQUES ET DES SUSPENSIONS DE TISSUS

(71) **LUMITEST LTD.** [IL/IL]; Science Park Neshar, P.O. Box 212, 36601 Neshar (IL).
(for all designated States except / pour tous les États désignés sauf US)(72, 75) **SHNIZER, Sergey** [IL/IL]; Teenim Street 3/6, 27063 Kiriat Bialik (IL). **RESNIK, Abraham** [IL/IL]; Pizga Street 172, 36601 Nofit (IL). **LANNIR, Amos** [IL/IL]; Shlomzion Street 29, 34406

Haifa (IL). **PIUK, Vladimir** [IL/IL]; Pinkas Street 2/1, 29000 Kiriat Yam (IL).

(74) **AGRANOV, David**; Moriah Avenue 20, 34571 Haifa (IL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 197 44 649.3 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/487, C12M 1/34**

(54) ● DEVICE AND METHOD FOR EXAMINING CELLS USING THE PATCH-CLAMP METHOD

● DISPOSITIF ET PROCÉDE POUR EXAMINER DES CELLULES A L'AIDE DE LA METHODE PATCH-CLAMP

(71) **FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Leonrodstrasse 54, D-80636 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MEYER, Jörg-Uwe** [DE/DE]; Triftstrasse 17a, D-66386 St. Ingbert (DE).

(74) **MÜNICH, Wilhelm**; Kanzlei Münich & Kollegen, Wilhelm-Mayr-Strasse 11, D-80689 München (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(31) 08/947,809 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁵ **G01N 33/543**

(54) ● STABLE PROTEIN-NICKEL PARTICLES AND METHODS OF PRODUCTION AND USE THEREOF

● PARTICULES DE PROTEINE-NICKEL STABLES ET LEURS PROCÉDES DE PRODUCTION ET D'UTILISATION

(71) **COULTER INTERNATIONAL CORP.** [US/US]; Mail Code 32-A02, 11800 S.W. 147 Avenue, Miami, FL 33196 (US).

(72) **SIIMAN, Olavi**; 15920 Cobblestone Court, Davie, FL 33331 (US). **BURSHTEYN, Alexander**; 6192 W. 26 Court, Hialeah, FL 33016 (US). **MAPLES, John, A.**; 958 N.E. 91 Terrace, Miami Shores, FL 33138 (US). **WHITESSELL, James, Keller**; 5203 Valburn Circle, Austin, TX 78731 (US).

(74) **KURZ, Warren, W.** et al. / etc.; Coulter International Corp., Mail Code 32-A02, P.O. Box 169015, Miami, FL 33116-9015 (US).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19731** (13) A1

(21) PCT/US98/20788

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 08/947,811 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/553, 33/543, 33/548, 33/50**

(54) ● PROTEIN-COLLOIDAL METAL-AMINODEXTRAN COATED PARTICLE AND METHODS OF PREPARATION AND USE

● PARTICULE DANS LAQUELLE UNE PROTEINE EST CONJUGUEE A UN SUBSTRAT RECOUVERT D'AMINODEXTRANE RECOUVERT D'UN METAL COLLOIDAL, PROCÉDES DE PREPARATION ET D'UTILISATION

(71) **COULTER INTERNATIONAL CORP.** [US/US]; 11800 S.W. 147 Avenue, Mail Code 32-A02, Miami, FL 33196 (US).

(72) **SIIMAN, Olavi**; 15920 Cobblestone Court, Davie, FL 33331 (US). **GORDON, Kristie**; 233 Cadima Avenue, Coral Gables, FL 33134 (US). **RODRIGUEZ, Carlos, M.**; 10010 S.W. 33 Street, Miami, FL 33165 (US). **BURSHTEYN, Alexander**; 6192 W. 26 Court, Hialeah, FL 33016 (US). **MAPLES, John, A.**; 958 N.E. 91 Terrace, Miami Shores, FL 33138 (US). **WHITESSELL, James, Keller**; 5203 Valburn Circle, Austin, TX 78731 (US).

(74) **KURZ, Warren, W.** et al. / etc.; Coulter International Corp., Mail Code 32-A02, P.O. Box 169015, Miami, FL 33116-9015 (US).

(81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(31) 60/061,199 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01N 33/576, 33/577, C07K 14/08, 16/10, A61K 39/29**

(54) ● METHODS AND COMPOSITIONS FOR DETECTING HEPATITIS E VIRUS

● PROCÉDES ET COMPOSITIONS POUR DETECTER LE VIRUS DE L'HEPATITE E

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(72) **SCHLAUDER, George, G.**; 7640 Karlov, Skokie, IL 60076 (US). **ERKER, James, C.**; 359 N. White Tail Drive, Hainesville, IL 60030 (US). **DESAI, Suresh, M.**; 1408 Amy Lane, Libertyville, IL 60048 (US). **DAWSON, George, J.**; 914 South Dymond Road, Libertyville, IL 60048 (US). **MUSHAWAR, Isa, K.**; 18790 Arbor Boulevard, Grayslake, IL 60030 (US).

(74) **CASUTO, Dianne** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(31) 197 45 311.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01P 1/02, 15/09**

(54) ● PIEZOELECTRIC BENDING SENSOR FOR MEASURING ACCELERATION
● CAPTEUR D'ACCELERATION A DETECTEUR SOUPLE PIEZO-ELECTRIQUE

(71) **TEMIC TELEFUNKEN MICROELECTRONIC GMBH** [DE/DE]; Theresienstrasse 2, D-74072 Heilbronn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUR, Richard** [DE/DE]; Ziegelstrasse 6A, D-85276 Pfaffenhofen (DE). **HORA, Peter** [DE/DE]; Arnbachstrasse 57, D-86529 Schrobenhausen (DE). **WÖRMANN, Anton** [DE/DE]; Schachach 10, D-85302 Gerolsbach (DE). **SPIES, Hans** [DE/DE]; Schießstätte 12, D-85276 Pfaffenhofen (DE). **WÖHRL, Alfons** [DE/DE]; Sebastian-Kneipp-Strasse 3, D-86529 Schrobenhausen (DE).

(74) **KOLB, Georg**; Daimler-Benz Aktiengesellschaft, Theresienstrasse 2, D-74072 Heilbronn (DE).

(81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19734** (13) A2

(21) PCT/US98/21798

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/943,305 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01P 9/00**

(54) ● MULTI-ELEMENT MICRO GYRO

● DISPOSITIF MICRO-GYROSCOPIQUE A PLUSIEURS ELEMENTS

(71) **IRVINE SENSORS CORPORATION** [US/US]; Building 3, 3001 Redhill Avenue, Costa Mesa, CA 92626-4529 (US).

(72) **HSU, Ying, W.**; 9311 Darrow Drive, Huntington Beach, CA 92646 (US).

(74) **ANDRAS, Joseph, C.**; Suite 650, 650 Town Center Drive, Costa Mesa, CA 92626 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19735** (13) A1

(21) PCT/US98/21224

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en
 (31) 08/948,433 (32) **10 Oct/oct 1997** (33) US
 (10.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 15/20, 33/07, H01L 27/22**

(54) ● PACKAGED INTEGRATED CIRCUIT WITH MAGNETIC FLUX CONCENTRATOR
 ● CIRCUIT INTEGRE ENCAPSULE AVEC CONCENTRATEUR DE FLUX MAGNETIQUES

(71) **ANALOG DEVICES, INC.** [US/US]; One Technology Way, P.O. Box 9106, Norwood, MA 02062 (US).

(72) **MULLINS, Paul, V., Jr.**; 46 Glen Road, Salem, NH 03079 (US).

(74) **DIENER, Michael, A.** et al. / etc.; Hale and Dorr LLP, 60 State Street, Boston, MA 02109 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19736** (13) A1

(21) PCT/AU98/00843

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) PO 9774 (32) **13 Oct/oct 1997** (33) AU
 (13.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 27/16, H02H 3/40**

(54) ● PROTECTION CIRCUIT
 ● CIRCUIT DE PROTECTION

(71, 72) **CALLEN, Wayne** [AU/AU]; 18 Bentley Street, Redhead, NSW 2290 (AU).

(74) **BALDWIN SHELSTON WATERS**; 60 Margaret Street, Sydney, NSW 2000 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19737** (13) A2

(21) PCT/US98/20492

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 08/948,137 (32) **9 Oct/oct 1997** (33) US
 (09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 31/36**

(54) ● BATTERY CAPACITY MEASUREMENT CIRCUIT
 ● CIRCUIT DE MESURE DE LA CAPACITE D'UN ACCUMULATEUR

(71) **ABBOTT LABORATORIES** [US/US]; CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(72) **CANNY, David**; 1703 Prudence Way, San Jose, CA 95116 (US). **CLARK, Gene, E.**; 3714 Red Oak Way, Redwood City, CA 94061 (US). **Hsu, Rupert**; 4974 Mise Avenue, San Jose, CA 95124 (US). **MASKE, Rudolph, J.**; 6770 Olive Branch Court, San Jose, CA 95120 (US).

(74) **MARCUS, Neal, D.** et al. / etc.; Abbott Laboratories, CHAD 0377/AP6D-2, 100 Abbott Park Road, Abbott Park, IL 60064-3500 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19738** (13) A1

(21) PCT/DE98/03045

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 197 46 735.0 (32) **13 Oct/oct 1997** (33) DE
 (13.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 33/28, A61B 5/055**

(54) ● STENT AND MR IMAGING METHOD FOR REPRESENTING AND DETERMINING THE POSITION OF A STENT

● EXTENSEUR ET PROCEDE D'IMAGERIE PAR RESONANCE MAGNETIQUE POUR REPRESENTER ET DETERMINER LA POSITION D'UN EXTENSEUR

(71, 72) **MELZER, Andreas** [DE/DE]; In der Ruhrau 8, D-47058 Duisburg (DE). **BUSCH, Martin** [DE/DE]; Hevener Strasse 50a, D-58455 Witten (DE).

(74) **MÜLLER, Wolfram, H.**; Maikowski & Ninnemann, Xantener Strasse 10, D-10707 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/DE98/03046

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(31) 197 46 735.0 (32) **13 Oct/oct 1997** (33) DE
 (13.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 33/28, A61B 5/055**

(54) ● MR IMAGING METHOD AND MEDICAL DEVICE FOR USE IN METHOD

● PROCEDE D'IMAGERIE PAR RESONANCE MAGNETIQUE ET DISPOSITIF MEDICAL A UTILISER CONJOINTEMENT AVEC LEDIT PROCEDE

(71, 72) **MELZER, Andreas** [DE/DE]; In der Ruhrau 8, D-47058 Duisburg (DE). **BUSCH, Martin** [DE/DE]; Hevener Strasse 50a, D-58455 Witten (DE).

(74) **MÜLLER, Wolfram, H.**; Maikowski & Ninnemann, Xantener Strasse 10, D-10707 Berlin (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19740** (13) A1

(21) PCT/GB98/03099

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 9721892.9 (32) **15 Oct/oct 1997** (33) GB
 (15.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01R 33/44**

(54) ● METHODS OF AND APPARATUS FOR NQR TESTING A SAMPLE

● PROCEDES ET DISPOSITIF PERMETTANT DE TESTER UN ECHANTILLON PAR RESONANCE QUADRIPOLAIRE NUCLEAIRE

(71) **BTG INTERNATIONAL LIMITED** [GB/GB]; 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).

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(72, 75) **PEIRSON, Neil, Francis** [GB/GB]; 86 Harlestone Road, Northampton NN5 7AG (GB). **BAR-RAS, James** [GB/GB]; Dept. of Chemistry, King's College London, The Strand, London WC2R 2LS (GB). **SMITH, John, Alec, Sydney** [GB/GB]; 28 Leeward Gardens, London SW19 7QR (GB).

(74) **COZENS, Paul, Dennis** et al. / etc.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).

(81) CA CN IL JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19741** (13) A1

(21) PCT/DE98/02303

(22) **10 Aug/août 1998 (10.08.1998)**

(25) de (26) de

(31) 197 44 635.3 (32) **9 Oct/oct 1997** (33) DE
 (09.10.1997)

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01S 3/788, G08B 13/19**

(54) ● INFRARED FIRE DETECTOR

● DETECTEUR INFRAROUGE POUR L'INCENDIE

(71) **SIEMENS NIXDORF INFORMATIONSSYSTEME AG** [DE/DE]; Heinz-Nixdorf-Ring 1, D-33106 Paderborn (DE).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DYBALLA, Klaus** [DE/DE]; Nikolaus Großstrasse 11, D-33106 Paderborn (DE). **GLASCHICK, Rainer** [DE/DE]; Mentropstrasse 84, D-33106 Paderborn (DE). **SCHAEFERS, Wolfgang** [DE/DE]; Hubertusweg 35, D-33104 Paderborn (DE). **SCHMITZ, Herbert** [DE/DE]; Am Hakesbach 8, D-33034 Brakel (DE).

(74) **SIEMENS NIXDORF INFORMATIONSSYSTEME AG**; Epping, Wilhelm, Postfach 22 13 17, D-80503 München (DE).

(81) RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19742** (13) A1

(21) PCT/IL98/00376

(22) **13 Aug/août 1998 (13.08.1998)**

(25) en (26) en

(31) 121932 (32) **9 Oct/oct 1997 (09.10.1997)** (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01S 5/12, 13/86**

(54) ● MONITORING METHOD AND APPARATUS
● PROCEDE ET APPAREIL DE SURVEILLANCE

(71, 72) **ALJADEFF, Daniel** [IL/IL]; Arlozorov Street 5, 55550 Kiryat Ono (IL).

(74) **LUZZATTO, Kfir** et al. / etc.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer-Sheva (IL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19743** (13) A1

(21) PCT/US98/21709

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,690 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01S 5/14, 1/04, 5/00**

(54) ● REDUCED GLOBAL POSITIONING SYSTEM RECEIVER CODE SHIFT SEARCH SPACE FOR A CELLULAR TELEPHONE SYSTEM
● ESPACE DE RECHERCHE DE CHANGEMENT DE CODE DE RECEPTEUR GPS REDUIT DANS UN SYSTEME DE TELEPHONES CELLULAIRES

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **CAMP, William, O., Jr.**; 400 N. Boundary Street, Chapel Hill, NC 27514 (US). **ZANGI, Kambiz**; 3212 Quiet Mill Road, Raleigh, NC 27612 (US). **RAMESH, Rajaram**; 403 Danton Drive, Cary, NC 27511 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkins & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19744** (13) A1

(21) PCT/US98/21908

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/066,025 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(31) 60/071,964 (32) **20 Jan/jan 1998 (20.01.1998)** (33) US

(31) 09/173,322 (32) **16 Oct/oct 1998 (16.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01S 13/00**

(54) ● RADAR SYSTEM
● SYSTEME DE RADAR

(71) **AUTOMOTIVE SYSTEMS LABORATORY, INC.** [US/US]; Suite B-12, 27200 Haggerty Road, Farmington Hills, MI 48331 (US).

(72) **FARMER, Michael, E.**; 5119 Lake Bluff Road, West Bloomfield, MI 48331 (US). **JACOBS, Craig, S.**; 24762 Roosevelt Court, Farmington Hills, MI 48335 (US).

(74) **LYON, Lyman, R.**; Lyon, P.C., Suite 207, 3883 Telegraph Road, Bloomfield Hills, MI 48302-1476 (US).

(81) CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19745** (13) A1

(21) PCT/US98/21109

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/947,772 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01S 13/93**

(54) ● METHOD AND APPARATUS FOR IN-PATH TARGET DETERMINATION FOR AN AUTOMOTIVE VEHICLE USING A GYROSCOPIC DEVICE
● PROCEDE ET APPAREIL PERMETTANT DE DETERMINER LA PRESENCE D'UNE CIBLE SUR LA TRAJECTOIRE D'UN VEHICULE AUTOMOBILE MUNI D'UN DISPOSITIF GYROSCOPIQUE

(71) **EATON VORAD TECHNOLOGIES, L.L.C.** [US/US]; 10802 Willow Court, San Diego, CA 92127 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **AMEEN, Yashwant, Khodabhai** [GB/US]; 15879 Prairie Vista Road, Poway, CA 92064 (US).

(74) **BERG, Richard, P.** et al. / etc.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19746** (13) A1

(21) PCT/DE98/02993

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) de (26) de

(31) 197 45 302.3 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01T 1/10, 1/06**

(54) ● DOSIMETER, DEVICE FOR DETERMINING THE RADIATION DOSE RECEIVED, AND METHODS FOR PRODUCING THE SAME
● DOSIMETRE, DISPOSITIF PERMETTANT DE DETERMINER LA QUANTITE DE RAYONNEMENT DELIVRE ET PROCEDES PERMETTANT DE PRODUIRE UN DOSIMETRE DE CE TYPE

(71, 72) **BECKERS, Ulf** [DE/DE]; Bokelrehmer Strasse 1a, D-25596 Wacken (DE).

(74) **KRAUSE, Wolfgang**; Dreierdener Weg 77c, D-09648 Mittweida (DE).

(81) AM AU BA BB BG BR CA CN CU CZ EE FI GE HU ID IL IS JP KG KP KR LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK TR TT UA US UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19747** (13) A1

(21) PCT/FR98/02211

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) fr (26) fr

(31) 97/12892 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G01T 1/29, 7/00**

(54) ● DEVICE FOR LOCATING RADIATION SOURCES
● DISPOSITIF DE LOCALISATION DE SOURCES DE RAYONNEMENT

(71) **COMMISSARIAT A L'ENERGIE ATOMIQUE** [FR/FR]; 31-33, rue de la Fédération, F-75015 Paris (FR). **COMPAGNIE GENERALE DES MATIERES NUCLEAIRES** [FR/FR]; 2, rue Paul Dautier, F-78140 Vélizy Villacoublay (FR).
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(71) **GAUCHER, Séverine** (heirress of the deceased inventor / héritière de l'inventeur décédé) [FR/FR]; 10, chemin de la Vieuville, F-91530 Le Val Saint Germain (FR).
(only for / seulement pour US)

(72) **GAUCHER, Jean-Claude** (deceased / décédé).

(72, 75) **LAINÉ, Frédéric** [FR/FR]; 22, rue de Penhièvre, F-78310 Maurepas (FR). **GAL, Olivier** [FR/FR]; 25, rue de l'Ingénieur R. Keller, F-75015 Paris (FR).

(74) **BREVATOME**; 25, rue de Ponthieu, F-75008 Paris (FR).

(81) JP RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19748** (13) A1

(21) PCT/CA98/00967

- (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 2,218,198 (32) **14 Oct/oct 1997 (14.10.1997)** (33) CA
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01V 1/00, 3/15, G01L 1/16**
 (54) ● PRODDER WITH FORCE FEEDBACK
 ● SONDE A DONNEES DE RETOUR DE FORCE
 (71) **DEW ENGINEERING AND DEVELOPMENT LIMITED** [CA/CA]; 3429 Hawthorne Road, Ottawa, Ontario K2E 6T8 (CA). **HER MAJESTY THE QUEEN IN RIGHT OF CANADA** represented by the **MINISTER OF NATIONAL DEFENCE** [CA/CA]; 101 Colonel By Drive, Ottawa, Ontario K1A 0K2 (CA).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **BORZA, Michael, A.** [CA/CA]; 2036 Woodcrest Road, Ottawa, Ontario K1H 6H8 (CA). **GALLAGHER, Patrick, J.** [CA/CA]; 16 Swan Way, S.E., Medicine Hat, Alberta T1B 4A7 (CA).
 (74) **TEITELBAUM, Neil**; Neil Teitelbaum & Associates, 834 Colonel By Drive, Ottawa, Ontario K1S 5C4 (CA).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19749** (13) A1
 (21) PCT/US98/15896
 (22) **27 Jul/juil 1998 (27.07.1998)**
 (25) en (26) en
 (31) 08/950,726 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01V 1/00, H04R, G10K 11/00, G01V 1/16**
 (54) ● SEISMIC IMAGING USING OMNI-AZIMUTH SEISMIC ENERGY SOURCES AND DIRECTIONAL SENSING
 ● IMAGERIE SISMIQUE UTILISANT DES SOURCES D'ENERGIE SISMIQUE OMNI-AZIMUT ET DETECTION DIRECTIONNELLE
 (71) **INPUT/OUTPUT, INC.** [US/US]; 11104 West Airport Boulevard, Stafford, TX 77477-2416 (US).
 (72) **KEREKES, Albin, K.**; 632 Cedarille Way S.W., Calgary, Alberta T2W 2G7 (CA).
 (74) **HEADLEY, Tim** et al. / etc.; Haynes and Boone, Suite 4300, 1000 Louisiana Street, Houston, TX 77002-5012 (US).
 (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19750** (13) A1
 (21) PCT/FR98/02140
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) fr (26) fr
 (31) 97/12691 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01V 1/28**
 (54) ● METHOD FOR SEISMIC PROCESSING AND IN PARTICULAR FOR THREE-DIMENSIONAL SEISMIC EXPLORATION USING SEISMIC DATA MIGRATION
 ● PROCEDE DE TRAITEMENT SISMIQUE ET NOTAMMENT PROCEDE DE PROSPECTION SISMIQUE 3D METTANT EN OEUVRE UNE MIGRATION DES DONNEES SISMIQUES
 (71) **COMPAGNIE GENERALE DE GEOPHYSIQUE** [FR/FR]; 1, rue Léon Migaux, F-91300 Massy (FR).
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 (72, 75) **PICA, Antonio** [FR/FR]; 20, avenue Victor Hugo, F-92170 Vanves (FR).
 (74) **MARTIN, Jean-Jacques**; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).
 (81) AU CA MX NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19751** (13) A1
 (21) PCT/US98/21621
 (22) **15 Oct/oct 1998 (15.10.1998)**
 (25) en (26) en
 (31) 60/062,214 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (31) 08/979,991 (32) **26 Nov/nov 1997 (26.11.1997)** (33) US
 (31) 09/135,575 (32) **18 Aug/août 1998 (18.08.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G01V 3/00, H04H 9/00**
 (54) ● METHOD AND APPARATUS FOR DRILL STEM DATA TRANSMISSION
 ● PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES DANS UN TRAIN DE TIGES
 (71) **VECTOR MAGNETICS, INC.** [US/US]; 236 Cherry Street, Ithaca, NY 14850 (US).
 (72) **KUCKES, Arthur, F.**; 236 Cherry Street, Ithaca, NY 14850 (US).
 (74) **COOPER, George, M.** et al. / etc.; Jones, Tullar & Cooper, P.C., P.O. Box 2266, Eads Station, Arlington, VA 22202 (US).
 (81) CA NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19752** (13) A1
 (21) PCT/US98/19607
 (22) **21 Sep/sep 1998 (21.09.1998)**
 (25) en (26) en
 (31) 08/947,740 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G02B 1/02, 23/24, 13/00**
 (54) ● SAPPHIRE OBJECTIVE SYSTEM
 ● SYSTEME D'OBJECTIF AU SAPHIR
 (71) **IMAGYN MEDICAL TECHNOLOGIES, INC.** [US/US]; 27651 La Paz Road, Laguna Niguel, CA 92677 (US).
 (72) **MICHAELS, Richard, J.**; 4 Buttermut Lane, Irvine, CA 92612 (US).
 (74) **ALTMAN, Daniel, E.**; Knobbe, Martens, Olson & Bear, LLP, 16th floor, 620 Newport Center Drive, Newport Beach, CA 92660 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19753** (13) A1
 (21) PCT/JP98/04561
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) ja (26) ja
 (31) 9/276726 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G02B 5/30, G02F 1/1335**
 (54) ● OPTICAL ANISOTROPIC DEVICE
 ● DISPOSITIF ANISOTROPE OPTIQUE
 (71) **NIPPON OIL COMPANY, LIMITED** [JP/JP]; 3-12, Nishi-Shimbashi 1-chome, Minato-ku, Tokyo 105-0003 (JP).
(for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **NUMAO, Yosuke** [JP/JP]; Central Technical Research Laboratory of Nippon Oil Company, Limited, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 (JP). **YODA, Eiji** [JP/JP]; Central Technical Research Laboratory of Nippon Oil Company, Limited, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 (JP). **UE-SAKA, Tetsuya** [JP/JP]; Central Technical Research Laboratory of Nippon Oil Company, Limited, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 (JP). **TOYOOKA, Takehiro** [JP/JP]; Central Technical Research Laboratory of Nippon Oil Company, Limited, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 (JP).
 (74) **SAITO, Takehiko** et al. / etc.; Akasaka-Taisei Building, 1-18, Akasaka 1-chome, Minato-ku, Tokyo 107-0052 (JP).
 (81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19754** (13) A1
 (21) PCT/EP98/06131
 (22) **25 Sep/sep 1998 (25.09.1998)**
 (25) de (26) de
 (31) 197 45 324.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G02B 6/12**

- (54) ● PROCESS AND DEVICE FOR THE WAVELENGTH-SELECTIVE MIXTURE AND/OR DISTRIBUTION OF POLYCHROMATIC LIGHT
● PROCEDE ET DISPOSITIF POUR LE MELANGE ET/OU LA REPARTITION, EN FONCTION DE LA LONGUEUR D'ONDE, DE LUMIERE POLYCHROMATIQUE

(71) **DEUTSCHE TELEKOM AG** [DE/DE]; Friedrich-Ebert-Allee 140, D-53113 Bonn (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KOOPS, Hans, Wilfried, Peter** [DE/DE]; Ernst-Ludwig-Strasse 16, D-64372 Ober-Ramstadt (DE). **SHERIDAN, John** [IE/IE]; 5 Harcourt Terrace, Dunprum Road, Windy Arbour, Dublin 14 (IE). **ZÜRN, Martin** [DE/IT]; Via Fermi, I-21020 Ispra (IT).

(74) **DEUTSCHE TELEKOM AG**; Technologiezentrum, Patentabteilung, EK03, D-64307 Darmstadt (DE).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19755** (13) A1

(21) PCT/US98/20042

(22) **25 Sep/sep 1998 (25.09.1998)**

(25) en (26) en

(31) 60/061,688 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02B 6/34, 6/36, H01J 5/16, H01L 21/60**

- (54) ● OPTICAL DEVICE HAVING OPTICAL COMPONENT ISOLATED FROM HOUSING
● DISPOSITIF OPTIQUE A COMPOSANT OPTIQUE ISOLE DU BOITIER

(71) **CORNING INCORPORATED** [US/US]; 1 Riverfront Plaza, Corning, NY 14831 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOOKBINDER, Dana, C.** [US/US]; 2261 Davis Road, Corning, NY 14830 (US). **CARBERRY, Joel, P.** [US/US]; 66 Ridge Road, Horseheads, NY 14845 (US). **WEDDING, Brent, M.** [US/US]; 3 East Third Street, Corning, NY 14830 (US). **WEIDMAN, David, L.** [US/US]; 17 Upper Drive, Corning, NY 14830 (US).

(74) **MURPHY, Edward, F.**; Corning Incorporated, SP FR 02-12, Patent Dept., Corning, NY 14831 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19756** (13) A1

(21) PCT/US98/00770

(22) **16 Jan/jan 1998 (16.01.1998)**

(25) en (26) en

(31) 08/949,364 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02B 6/44, H01B 7/00**

- (54) ● CABLE WITH PREDETERMINED DISCRETE CONNECTORIZATION LOCATIONS

- CABLE A POINTS DE POSE DE CONNECTEUR PREDETERMINEES

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) **LEE, Nicholas, A.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **HENSON, Gordon, D.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **MEIS, Michael, A.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **HO, Néstor, F.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19757** (13) A1

(21) PCT/FR98/02157

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) fr (26) fr

(31) 97/12681 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02B 27/01, 17/06**

- (54) ● OPTICAL DEVICE FOR HELMET VISOR COMPRISING A MANGIN MIRROR
● DISPOSITIF OPTIQUE POUR VISEUR DE CASQUE COMPORTANT UN MIROIR DE MANGIN

(71) **SEXTANT AVIONIQUE** [FR/FR]; Aérodrome de Villacoublay, F-78140 Vélizy Villacoublay (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **POTIN, Laurent** [FR/FR]; Thomson-CSF Propriété Intellectuelle, Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F-94117 Arcueil Cedex (FR). **BIGNOLLES, Laurent** [FR/FR]; Thomson-CSF Propriété Intellectuelle, Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F-94117 Arcueil Cedex (FR).

(74) **THOMSON-CSF PROPRIETE INTELLECTUELLE**; Dépt. Protection et Conseil, 13, avenue du Président Salvador Allende, F-94117 Arcueil Cedex (FR).

(81) IL JP SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19758** (13) A2

(21) PCT/US98/21584

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/951,970 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02B 27/10**

- (54) ● LIGHT SEPARATION AND RECOMBINATION SYSTEM FOR AN OFF-AXIS PROJECTOR

- SEPARATION DE LUMIERE ET SYSTEME DE RECOMBINAISON DESTINES A UN PROJECTEUR HORS AXE

(71) **S-VISION, INC.** [US/US]; Building SC-5, 2441 Mission College Boulevard, Santa Clara, CA 95054 (US).

(72) **SCOTT, Bradley, A.**; Apartment N1, 1711 Golden West Street, Huntington Beach, CA 92705 (US). **DEBOYNTON, William, L.**; 13912 Hilo Lane, Santa Ana, CA 92705 (US).

(74) **HENNEMAN, Larry, E., Jr.** et al. / etc.; Oppenheimer Wolff & Donnelly, LLP, Suite 600, Ten Almaden Boulevard, San Jose, CA 95113 (US).

(81) CA CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19759** (13) A1

(21) PCT/JP98/04569

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) ja (26) ja

(31) 9/277849 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02B 27/18**

- (54) ● PROJECTION TYPE DISPLAY
● AFFICHEUR A PROJECTION

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4-1. Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **YAJIMA, Akitaka** [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 (JP). **OGAWA, Yasunori** [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 (JP). **ITO, Jiro** [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 (JP).

(74) **SUZUKI, Kisaburo** et al. / etc.; Seiko Epson Corporation, Intellectual Property Dept., 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 (JP).

(81) AU BR CA CN JP KR RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19760** (13) A1

(21) PCT/IB97/01259

(22) **13 Oct/oct 1997 (13.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02C 1/02**

- (54) ● CLAMPING DEVICE FOR SPECTACLE LENSES
● DISPOSITIF DE FIXATION POUR VERRES DE LUNETTES

(71) **BLINE OPTIC S.R.L.** [IT/IT]; Via S. Lucia, 30, I-31040 Segusino (IT).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BOF, Livio** [IT/IT]; Via S. Lucia, 30, I-31040 Segusino (IT).

(74) **SANDRI, Sandro**; Europatent S.a.s., Via Locatelli, 20, I-37122 Verona (IT).

(81) BG BR CA CN CZ HU IL JP KR NO PL RO RU SG SI SK TR UA US YU; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19761** (13) A1

(21) PCT/JP98/04647

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) ja (26) ja

(31) 9/280680 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02C 9/04**

- (54) ● REMOVABLE GLASSES
- LUNETTES AMOVIBLES

(71) **SUNREEVE CO., LTD.** [JP/JP]; 15-22, Sugimoto-cho, Sabae-shi, Fukui 916-0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **NISHIOKA, Takahiro** [JP/JP]; Sunreeve Co., Ltd., 15-22, Sugimoto-cho, Sabae-shi, Fukui 916-0005 (JP).

(74) **INABA, Yoshiyuki** et al. / etc.; TMI Associates, Suite 803, 37 Mori Building, 5-1, Toranomom 3-chome, Minato-ku, Tokyo 105-0001 (JP).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19762** (13) A1

(21) PCT/JP97/03700

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/01, 1/13**

- (54) ● MULTIPLE REFLECTION DEVICE
- DISPOSITIF A REFLEXION MULTIPLE

(71) **HERUTSU KOGYO KABUSHIKI KAISHA** [JP/JP]; 5-1, Sakae-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **YOSHINO, Toshihiko** [JP/JP]; 4-12, Maihama 3-chome, Urayasu-shi, Chiba 279 (JP).

(74) **FUJISAWA, Noriaki** et al. / etc.; Yoshizumi Building, 17-12, Kyobashi 1-chome, Chuo-ku, Tokyo 104 (JP).

(81) US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19763** (13) A1

(21) PCT/US97/18898

(22) **14 Oct/oct 1997 (14.10.1997)**

(25) en (26) en

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/09, 1/31, G02B 5/30**

- (54) ● COMPACT TWO-BY-N OPTICAL COMPONENTS BASED ON BIREFRINGENT WALK-OFF CRYSTALS
- COMPOSANTS OPTIQUES COMPACTS 2 X N A BASE DE CRISTAUX DE SORTIE BIREFRIGENTS

(71) **HEWLETT-PACKARD COMPANY** [US/US]; 3000 Hanover Street, P.O. Box 10301, Palo Alto, CA 94303-0890 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHANG, Kok, Wai** [US/US]; 174 Cirrus Avenue, Sunnyvale, CA 94087 (US).

(74) **HARDCASTLE, Ian**; Hewlett-Packard Company, 1501 Page Mill Road, M/S 4U-10, Palo Alto, CA 94304-1126 (US).

(81) AU JP KR US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19764** (13) A1

(21) PCT/JP98/04550

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) ja (26) ja

(31) 9/277650 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/133, G09G 3/36**

- (54) ● METHOD OF DRIVING PASSIVE MATRIX LIQUID CRYSTAL DISPLAY
- PROCEDE D'EXCITATION D'UN AFFICHAGE A CRISTAUX LIQUIDES ET A MATRICE PASSIVE

(71) **OPTREX CORPORATION** [JP/JP]; 5-7-18, Higashinippori, Arakawa-ku, Tokyo 116-0014 (JP). **ASAHI GLASS COMPANY, LTD.** [JP/JP]; 1-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-0005 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **TAMAI, Kiyoshi** [JP/JP]; 36-30-507, Yayoidai, Izumi-ku, Yokohama-shi, Kanagawa 245-0008 (JP). **NAGAI, Makoto** [JP/JP]; 6-14-15-2201, Shimosueyoshi, Yokohama-shi, Kanagawa 230-0063 (JP). **NAKAZAWA, Akira** [JP/JP]; 36-30-206, Yayoidai, Izumi-ku, Yokohama-shi, Kanagawa 245-0008 (JP). **KITAMURA, Masakazu** [JP/JP]; 45-41, Enokigaoka, Aoba-ku, Yokohama-shi, Kanagawa 227-0063 (JP). **HIRAI, Yoshinori** [JP/JP]; 4-17-25, Maruyamadai, Kounan-ku, Yokohama-shi, Kanagawa 233-0013 (JP).

(74) **OGAWA, Toshiharu** et al. / etc.; Torimoto Kogyo Building, 38, Kanda-Higashimatsushitacho, Chiyoda-ku, Tokyo 101-0042 (JP).

(81) DE JP KR US.

(11) **WO 99/19765** (13) A1

(21) PCT/GB98/02586

(22) **27 Aug/août 1998 (27.08.1998)**

(25) en (26) en

(31) 9721804.4 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(31) 9814577.4 (32) **7 Jul/juil 1998 (07.07.1998)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/1333, C03B 33/02**

- (54) ● IMPROVEMENTS IN OR RELATING TO LIQUID CRYSTAL DISPLAYS
- AMELIORATIONS APPORTEES A DES AFFICHEURS A CRISTAUX LIQUIDES

(71) **GEC MARCONI AVIONICS (HOLDINGS) LIMITED** [GB/GB]; The Grove, Warren Lane, Stanmore, Middlesex HA7 4LY (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WATSON, David, Stewart, Nimmo** [GB/GB]; 7 Colinton Grove, Edinburgh EH14 1DB (GB).

(74) **HOSTE, Colin, Francis**; GEC Patent Dept., Waterhouse Lane, Chelmsford, Essex CM1 2QX (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19766** (13) A1

(21) PCT/IB98/01408

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(31) 9721716.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/1341, 1/133, G09F 9/35**

- (54) ● CHANNEL PLATES AND FLAT DISPLAY DEVICES INCORPORATING SUCH
- PLAQUES A CANAUX ET DISPOSITIFS A ECRAN PLAT COMPRENANT CES PLAQUES

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **FRENCH, Ian, Douglas**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) **WILLIAMSON, Paul, L.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19767** (13) A1

(21) PCT/GB98/03097

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 9721866.3 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/1347, G02B 27/22, G09G 3/36**

- (54) ● A SYSTEM FOR THE PRODUCTION OF A DYNAMIC IMAGE FOR DISPLAY
- SYSTEME DE PRODUCTION D'UNE IMAGE DYNAMIQUE A AFFICHER

(71) **THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND** [GB/GB]; Defence Evaluation and Research Agency, DRA Farnborough, Farnborough, Hants GU14 6TD (GB).
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(72, 75) **BROWN, Carl** [GB/GB]; DERA Malvern, St. Andrews Road, Malvern, Worcs WR14 3PS (GB). **STANLEY, Maurice** [GB/GB]; DERA Malvern, St. Andrews Road, Malvern, Worcs WR14 3PS (GB).

(74) **SHAYA, Darrin, Maurice**; Marks & Clerk, 57-60 Lincoln's Inn Fields, London WC2A 3LS (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19768** (13) A1

(21) PCT/EP98/06208

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) de (26) de

(31) 197 45 323.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G02F 1/135, H04J 14/02**

(54) ● METHOD AND DEVICE FOR SPECTRAL LEVELLING IN WDB MULTI-CHANNEL SYSTEMS

● PROCÉDE ET DISPOSITIF D'AJUSTEMENT SPECTRAL DE NIVEAU DANS DES SYSTEMES MULTIPLEX DE MULTIPLEXAGE PAR REPARTITION EN LONGUEUR D'ONDES

(71) **DEUTSCHE TELEKOM AG** [DE/DE]; Friedrich-Ebert-Allee 140, D-53113 Bonn (DE). (*for all designated States except / pour tous les États désignés sauf US*)

(72, 75) **DULTZ, Wolfgang** [DE/DE]; Marienberger Strasse 37, D-65396 Frankfurt (DE). **BERESNEV, Leonid** [RU/US]; 10655 Gramercy Place #261, Columbia, MD 21044 (US). **RIES, Reinald** [DE/DE]; Wenckstrasse 56, D-64298 Darmstadt (DE).

(74) **DEUTSCHE TELEKOM AG**; Technologiezentrum, Patentabteilung EK03, D-64307 Darmstadt (DE).

(81) CA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(21) PCT/US98/20289

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) en (26) en

(31) 08/939,510 (32) **29 Sep/sep 1997 (29.09.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G03B 42/04, B65H 3/08**

(54) ● FILM SUPPLY SYSTEM FOR USE WITH A PHOTSENSITIVE FILM IMAGER

● SYSTEME D'ALIMENTATION EN FILM CONÇU POUR UN GENERATEUR D'IMAGES SUR FILM PHOTSENSIBLE

(71) **IMATION CORP.** [US/US]; 1 Imation Place, P.O. Box 64898, Saint Paul, MN 55164-0898 (US).

(72) **NELSON, Brian, D.**; P.O. Box 64898, Saint Paul, MN 55164-0898 (US). **GILBERTSON, James, R.**; P.O. Box 64898, Saint Paul, MN 55164-0898 (US). **MATTILA, Robert, J.**; P.O. Box 64898, Saint Paul, MN 55164-0898 (US). **ALLEN, John, J.**; P.O. Box 64898, Saint Paul, MN 55164-0898 (US).

(74) **WEIMER, William, K.** et al. / etc.; Imation Legal Affairs, P.O. Box 64898, Saint Paul, MN 55164-0898 (US).

(81) CN JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(21) PCT/FR98/02167

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(25) fr (26) fr

(31) 97/12663 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G03C 1/76, G03F 1/00**

(54) ● LIGHT NEGATIVE PHOTOGRAPHIC FILMS AND PREPARATION METHOD

● FILMS PHOTOGRAPHIQUES NEGATIFS ALLEGES ET LEUR PREPARATION

(71, 72) **NOUEL, Jean-Marie** [FR/FR]; Les Hauts de Busseau, F-77760 Villiers sous Grez (FR).

(74) **LE ROUX, Martine** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F-75340 Paris Cedex 07 (FR).

(81) BR JP UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19771** (13) A1

(21) PCT/JP98/04577

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) ja (26) ja

(31) 9/315781 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(31) 9/320266 (32) **16 Oct/oct 1997 (16.10.1997)** (33) JP

(31) 9/353988 (32) **17 Nov/nov 1997 (17.11.1997)** (33) JP

(31) 9/353987 (32) **17 Nov/nov 1997 (17.11.1997)** (33) JP

(31) 9/363044 (32) **25 Nov/nov 1997 (25.11.1997)** (33) JP

(31) 9/363045 (32) **25 Nov/nov 1997 (25.11.1997)** (33) JP

(31) 9/363378 (32) **26 Nov/nov 1997 (26.11.1997)** (33) JP

(31) 9/365491 (32) **2 Dec/déc 1997 (02.12.1997)** (33) JP

(31) 9/370187 (32) **22 Dec/déc 1997 (22.12.1997)** (33) JP

(31) 10/31933 (32) **5 Jan/jan 1998 (05.01.1998)** (33) JP

(31) 10/108410 (32) **16 Mar/mar 1998 (16.03.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G03F 7/039, 7/022, 7/004, C08L 79/08, C09D 179/08, C08G 73/10, H05K 3/28, 3/46, H01L 21/027**

(54) ● POSITIVE PHOTSENSITIVE POLYIMIDE COMPOSITION

● COMPOSITION DE POLYIMIDE PHOTSENSIBLE POSITIVE

(71) **PI R & D CO., LTD.** [JP/JP]; Yokohama Kanazawa High Tech Center Building, 5th floor, 1, Fukuyua 1-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004 (JP).

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(72, 75) **ITATANI, Hiroshi** [JP/JP]; 1-25, Minatoshinden 2-chome, Ichikawa-shi, Chiba 272-0132 (JP). **MATSUMOTO, Shunichi** [JP/JP]; 5-51, Tsunishi 2-chome, Kamakura-shi, Kanagawa 248-0034 (JP).

(74) **TANIGAWA, Hidejiro**; Tanigawa and Associates, Iwata Building, 6th floor, 5-12, Iidabashi 4-chome, Chiyoda-ku, Tokyo 102-0072 (JP).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19772** (13) A1

(21) PCT/SE98/01835

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 9703700-6 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G03F 7/20, H04N 1/04**

(54) ● APPARATUS FOR A LASER WRITER FOR COMPLEX MICROLITHOGRAPHIC PATTERNS WITH A DELAY CIRCUIT

● APPAREIL DESTINE A UN DISPOSITIF D'ECRIURE LASER POUR MOTIFS MICROLITHOGRAPHIQUES COMPLEXES ET DOTE D'UN CIRCUIT A RETARD

(71) **MICRONIC LASER SYSTEMS AB** [SE/SE]; P.O. Box 3141, S-183 03 Täby (SE). (*for all designated States except / pour tous les États désignés sauf US*)

(72, 75) **SANDSTRÖM, Torbjörn** [SE/SE]; Banvägen 56, S-435 43 Pixbo (SE). **ODSELIUS, Leif** [SE/SE]; Hasselgatan 128, S-194 38 Upplands Väsby (SE).

(74) **AWAPATENT AB**; P.O. Box 11394, S-404 28 Göteborg (SE).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19773** (13) A1

(21) PCT/IL98/00491

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 121951 (32) **12 Oct/oct 1997 (12.10.1997)** (33) IL

(31) PCT/IL97/00391 (32) **27 Nov/nov 1997 (27.11.1997)** (33) IL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G03G 7/00, 13/16, 13/20, 13/22**

(54) ● COATING SYSTEM FOR SUBSTRATES

- SYSTEME DE REVETEMENT POUR SUBSTRATS
- (71) **INDIGO N.V.** [NL/NL]; Limburglaan Street 5, NL-6221 SH Maastricht (NL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **ALMOG, Yaacov** [IL/IL]; Halutz Street 2, 76251 Rehovot (IL). **BRANDISS, Sergio** [IL/IL]; Yavetz Street 11, 76252 Rehovot (IL).
- (74) **FENSTER, Paul** et al. / etc.; Fenster & Company Patent Attorneys, Ltd., P.O. Box 10256, 49002 Petach Tikva (IL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19774** (13) A1
- (21) PCT/US98/20946
- (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) en (26) en
- (31) 08/951,147 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G03G 15/01**
- (54) ● **PRINTER HAVING OPERATIONAL FLEXIBILITY**
● **IMPRIMANTE DOTÉE D'UNE SOUPLESSE DE FONCTIONNEMENT**
- (71) **OUTPUT TECHNOLOGY CORPORATION** [US/US]; 2310 N. Fancher Road, Spokane, WA 99212-1381 (US).
- (71, 72) **BACUS, Michael, W.** [US/US]; S. 4908 Julia, Spokane, WA 99223 (US).
- (72) **BOWERS, George, W.**; 1325 S. Wright Drive, Liberty Lake, WA 99019 (US). **PAROFF, Paul, J.**; 2019 S. Post Avenue, Spokane, WA 99203 (US). **LARSON, Reese, G.**; S. 530 Farr Road #92, Spokane, WA 99206 (US). **EGBERT, Benjamin, L.**; 5506 N. Rock View Lane, Spokane, WA 99212 (US).
- (74) **GRIGEL, George, G.** et al. / etc.; Suite 1300, 601 West First Avenue, Spokane, WA 99304-3828 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
- (11) **WO 99/19775** (13) A1
- (21) PCT/JP98/04588
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) ja (26) ja
- (31) 9/280925 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (31) 9/358074 (32) **25 Dec/déc 1997 (25.12.1997)** (33) JP
- (31) 10/42543 (32) **24 Feb/fév 1998 (24.02.1998)** (33) JP
- (31) 10/249328 (32) **3 Sep/sep 1998 (03.09.1998)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G04C 10/00, G04G 1/00, H02N 11/00, H02J 7/00**
- (54) ● **WATCH CONTAINING FLAT HEAT CONDUCTOR AND PROVIDED WITH THERMOELECTRIC GENERATION UNIT**
● **MONTRE CONTENANT UN CONDUCTEUR THERMIQUE PLAT ET COMPRENANT UNE UNITE DE GENERATEUR THERMOELECTRIQUE**
- (71) **SEIKO INSTRUMENTS INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **SEIKO INSTRUMENTS R & D CENTER INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP).
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- (72, 75) **MATOGÉ, Akihiro** [JP/JP]; (JP). **KOTANAGI, Susumu** [JP/JP]; (JP). **YOSHIDA, Yoshifumi** [JP/JP]; SEIKO INSTRUMENTS R & D CENTER INC., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **UTSUNOMIYA, Fumiyasu** [JP/JP]; SEIKO INSTRUMENTS R & D CENTER INC., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP).
- (31) 9/358074 (32) **25 Dec/déc 1997 (25.12.1997)** (33) JP
- (31) 10/42543 (32) **24 Feb/fév 1998 (24.02.1998)** (33) JP
- (31) 10/249327 (32) **3 Sep/sep 1998 (03.09.1998)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G04C 10/00, G04G 1/00, H02N 11/00, H02J 7/00**
- (54) ● **WATCH PROVIDED WITH THERMOELECTRIC GENERATION UNIT**
● **MONTRE POURVUE D'UNE UNITE DE GENERATION THERMOELECTRIQUE**
- (71) **SEIKO INSTRUMENTS INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **SEIKO INSTRUMENTS R & D CENTER INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KOTANAGI, Susumu Seiko Instruments Inc.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **MATOGÉ, Akihiro Seiko Instruments Inc.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **YOSHIDA, Yoshifumi Seiko Instruments R & D Center Inc.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **UTSUNOMIYA, Fumiyasu Seiko Instruments R & D Center Inc.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP).
- (74) **HAYASHI, Keinosuke**; 1493, Sendabori, Mat-sudo-shi, Chiba 270-2252 (JP).
- (81) US; EP (CH DE FR GB IT).
- (11) **WO 99/19777** (13) A1
- (21) PCT/US98/20999
- (22) **6 Oct/oct 1998 (06.10.1998)**
- (25) en (26) en
- (31) 08/949,207 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G05B 11/01**
- (54) ● **AUTOMATED SUBSTRATE PROCESSING SYSTEMS AND METHODS**
● **PROCEDES ET SYSTEMES DE TRAITEMENT DE SUBSTRATS AUTOMATISES**
- (71) **APPLIED KOMATSU TECHNOLOGY, INC.** [JP/JP]; No. 1, 7,ban, 2-chome, Nishishinjuku, Tokyo (JP).
- (71, 72) **HOSOKAWA, Akihiro** [JP/US]; 10264 Danube Drive, Cupertino, CA 95014 (US). **DE-MARAY, Richard, Ernest** [US/US]; 190 Fawn Lane, Portola Valley, CA 94028 (US). **INAGAWA, Makoto** [JP/US]; 350 Sharon Park Drive #M23, Menlo Park, CA 94025 (US). **MULLAPUDI, Ravi** [IN/US]; 1000 Escalon Avenue #K3084, Sunnyvale, CA 94086 (US). **HALSEY, Harlan, L.** [US/US]; 200 La Cuesta Way, Woodside, CA 94062 (US). **STARR, Michael, T.** [US/US]; 3157 Perivale Court, San Jose, CA 95148 (US).
- (74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
- (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- (11) **WO 99/19778** (13) A1
- (21) PCT/US98/15771
- (22) **30 Jul/juil 1998 (30.07.1998)**
- (25) en (26) en
- (31) 08/950,954 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G05B 13/02**
- (54) ● **OPTIMAL AUTO-TUNER FOR USE IN A PROCESS CONTROL NETWORK**
● **AUTO-SYNTONISATEUR OPTIMAL POUR RESEAU DE COMMANDE DE PROCEDE**
- (71) **FISHER CONTROLS INTERNATIONAL, INC.** [US/US]; 8000 Maryland Avenue, Clayton, MO 63105 (US).
- (72) **JUNK, Kenneth, W.**; 1402 Fairway Drive, Marshalltown, IA 50158 (US).
- (74) **HEPPERMAN, Roger, A.**; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 233 South Wacker Drive, Chicago, IL 60606-6402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19779** (13) A1

(21) PCT/US98/21701

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,354 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G05B 13/02**

- (54) ● A NEUROFUZZY BASED DEVICE FOR PROGRAMMABLE HEARING AIDS
- DISPOSITIF "NEUROFLOU" POUR PROTHESE AUDITIVE PROGRAMMABLE

(71) **BELTONE ELECTRONICS CORPORATION** [US/US]; 4201 West Victoria Street, Chicago, IL 60646 (US).

(72) **BASSEAS, Stavros, Photios**; 921 South Crescent, Park Ridge, IL 60068 (US).

(74) **VARGO, Paul, M.** et al. / etc.; Rockey, Milnamow & Katz, Ltd., Suite 4700, Two Prudential Plaza, Chicago, IL 60601 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9703758-4 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G05B 13/04 // G01N 21/86, G06F 15/46**

- (54) ● METHOD AND DEVICE FOR CONTROLLING AN ESSENTIALLY CONTINUOUS PROCESS
- PROCEDE ET DISPOSITIF PERMETTANT DE COMMANDER UN PROCESSUS SENSIBLEMENT CONTINU

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 78 Västerås (SE).
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(72, 75) **BACKA, Stefan** [SE/SE]; Regementsgatan 5, S-723 45 Västerås (SE). **DAHLQUIST, Erik** [SE/SE]; Gudruns väg 51, S-723 55 Västerås (SE). **LILJENBERG, Thomas** [SE/SE]; Cedergatan 3, S-723 41 Västerås (SE).

(74) **ZILLING, Staffan** et al. / etc.; Dr. Ludvig Brann Patentbyrå AB, P.O. Box 17192, S-104 62 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19781** (13) A1

(21) PCT/EP98/06423

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) de (26) de

(31) 197 45 490.9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G05B 19/4063, G01P 13/00**

- (54) ● METHOD AND CIRCUIT FOR MONITORING THE OPERATING CONDITION OF ELECTRIC MOTORS
- PROCEDE ET CIRCUIT POUR SURVEILLER L'ETAT DE FONCTIONNEMENT DE MOTEURS ELECTRIQUES

(71) **DR. JOHANNES HEIDENHAIN GMBH** [DE/DE]; Postfach 12 60, D-83292 Traunreut (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KERNER, Norbert** [DE/DE]; Zachersdorfstrasse 45, D-83374 Traunwalchen (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19782** (13) A1

(21) PCT/US98/21339

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(25) en (26) en

(31) 60/061,754 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G05B 19/418, 19/042**

- (54) ● COMMUNICATION TECHNIQUE FOR FIELD DEVICES IN INDUSTRIAL PROCESSES
- TECHNIQUE DE COMMUNICATION POUR DISPOSITIFS IN SITU DANS DES PROCESUS INDUSTRIELS

(71) **ROSEMOUNT INC.** [US/US]; 12001 Technology Drive, Eden Prairie, MN 55344 (US).

(72) **ERYUREK, Evren**; 4952 York Avenue South, Minneapolis, MN 55410 (US). **WARRIOR, Jagesh**; 805 Runningwood Circle, Mountain View, CA 94040 (US).

(74) **CHAMPLIN, Judson, K.** et al. / etc.; Westman, Champlin & Kelly, P.A., International Centre, Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19783** (13) A2

(21) PCT/SE98/01802

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 9703757-6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F**

- (54) ● PROCEDURE AND ARRANGEMENT FOR CREATION OF SHORT INFORMATION IN COMPUTER SYSTEM
- PROCEDE ET DISPOSITIF PERMETTANT DE CREER DES INFORMATIONS COURTES DANS UN SYSTEME INFORMATIQUE

(71) **TELIA AB (publ)** [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE).

(72) **LORD, Peter**; Storgatan 59, S-590 40 Kisa (SE). **SÖDERSTRÖM, Erik**; Björnkärrsgatan 13C:22, S-584 36 Linköping (SE).

(74) **PRAGSTEN, Rolf**; Telia Research AB, Vitsandsgatan 9, S-123 86 Farsta (SE).

(81) EE LT LV NO; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19784** (13) A1

(21) PCT/BE98/00142

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) en (26) en

(31) 9700809 (32) **9 Oct/oct 1997 (09.10.1997)** (33) BE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 1/00**

- (54) ● METHOD AND CONTROL-DEVICE FOR THE OPERATION OF A DIGITAL INFORMATION-PROCESSING DEVICE
- PROCEDE ET DISPOSITIF DE COMMANDE UTILES POUR L'EXPLOITATION D'UN DISPOSITIF DE TRAITEMENT D'INFORMATIONS NUMERIQUES

(71, 72) **WALDEYER, Antoon, Walter** [BE/BE]; Winterling 36 Bus 12, B-2170 Merksem (BE).

(74) **DONNE, Eddy**; Bureau M.F.J. Bockstaal N.V., Arenbergstraat 13, B-2000 Antwerpen (BE).

(81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19785** (13) A1

(21) PCT/US98/21446

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,035 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 1/12, 13/42**

- (54) ● APPARATUS AND METHOD FOR GENERATING A DISTRIBUTED CLOCK SIGNAL USING GEAR RATIO TECHNIQUES
- SYSTEME ET PROCEDE POUR GENERER UN SIGNAL D'HORLOGE DISTRIBUE PAR DES TECHNIQUES DE RAPPORT D'ENGRENAGE

- (71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).
- (72) **WARE, Frederick, A.**; 13961 Fremont Pines Lanes, Los Altos Hills, CA 94022 (US). **DONNELLY, Kevin, S.**; 1671 Noe Street, San Francisco, CA 94131 (US). **TSERN, Ely, K.**; 684 Riviera Drive, Los Altos, CA 94024 (US). **NIMMAGADDA, Srinivas**; 1050 Benton Street #3202, Santa Clara, CA 95050 (US).
- (74) **GALLIANI, William, S.** et al. / etc.; Flehr, Hobbach, Test, Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).
- (81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19786** (13) A1
- (21) PCT/US98/21582
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- (31) 08/948,712 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 1/12**
- (54) ● METHOD AND APPARATUS FOR COUPLING SIGNALS BETWEEN TWO CIRCUITS OPERATING IN DIFFERENT CLOCK DOMAINS
- PROCEDE ET DISPOSITIF DE COUPLAGE DE SIGNAUX ENTRE DEUX CIRCUITS FONCTIONNANT DANS DES DOMAINES DE SYNCHRONISATION DIFFERENTS
- (71) **MICRON TECHNOLOGY, INC.** [US/US]; 8000 South Federal Way, P.O. Box 6, Boise, ID 83707-0006 (US).
- (72) **MANNING, Troy, A.**; 8153 South Obadiah Lane, Meridian, ID 83642 (US).
- (74) **BULCHIS, Edward, W.** et al. / etc.; Seed and Berry LLP, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).
- (81) AL AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (31) 9721667.5 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 3/00, 17/30**
- (54) ● VIRTUAL ENVIRONMENT NAVIGATION AID
- AIDE A L'EXPLORATION POUR ENVIRONNEMENT VIRTUEL
- (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
- (72) **HERON, Dale, Robert**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **GALLERY, Richard, David**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **VAN HEERDEN, Clive, Read**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) **WHITE, Andrew, G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19788** (13) A1

(21) PCT/US98/21718

(22) **14 Oct/oct 1998 (14.10.1998)**

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(31) 08/951,070 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

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(51)⁶ **G06F 3/00**

(54) ● METHOD AND APPARATUS FOR REAL-TIME GESTURE RECOGNITION

● PROCEDE ET APPAREIL DE RECONNAISSANCE DE GESTES EN TEMPS REEL

(71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).(72) **NGUYEN, Katerina, H.**; 3341 Alma Street, Palo Alto, CA 94306 (US).(74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/949,247 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 3/023**

(54) ● SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A USER INPUT DEVICE AND AN APPLICATION USING ADAPTIVELY SELECTED CODE SETS

● SYSTEMES ET PROCEDES DE COMMUNICATION ENTRE UN DISPOSITIF D'ENTREES UTILISATEUR ET UNE APPLICATION UTILISANT DES ENSEMBLES DE CODES SELECTIONNES DE MANIERE ADAPTATIVE

(71) **ERICSSON, INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

- (72) **BARILE, John**; 1105 Rosabella Lane, Apex, NC 27502 (US). **VIDALES, Carlos**; 7905 Sutcliffe Drive, Raleigh, NC 27613 (US). **MILLER, Brian**; 1005 Urban Avenue, Durham, NC 27701 (US). **MORRIS, Joseph**; 5404 Hideaway Drive, Chapel Hill, NC 27516 (US).
- (74) **MEEKS, Robert, M.** et al. / etc.; Myers, Bigel, Sibley & Sajovec, P.A., P.O. Box 37428, Raleigh, NC 27627 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/948,737 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

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(51)⁶ **G06F 3/023**

(54) ● METHOD, KEYBOARD, AND SYSTEM FOR TRANSMITTING KEY CHARACTERS

● PROCEDE, CLAVIER ET SYSTEME PERMETTANT DE TRANSMETTRE DES CARACTERES DE FRAPPE

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **RAMESH, Rajaram**; 403 Danton Drive, Cary, NC 27511 (US). **VIDALES, Carlos, E.**; 7905 Sutcliffe Drive, Raleigh, NC 27613 (US). **STARK, Wayne**; Room 4227, 1301 Beal Avenue, Ann Arbor, MI 48109 (US).

(74) **HALL, David, C.** et al. / etc.; Ericsson Inc., 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19791** (13) A1

(21) PCT/US98/12666

(22) **17 Jun/juin 1998 (17.06.1998)**

(25) en (26) en

(31) 08/948,679 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/30, 9/302, 7/544**

(54) ● MICROPROCESSOR COMPRISING INSTRUCTIONS TO DETERMINE EXTREME VALUES

● MICROPROCESSEUR COMPRENANT DES INSTRUCTIONS POUR DETERMINER DES VALEURS EXTREMES

(71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, Sunnyvale, CA 94088-3453 (US).

(72) **OBBERMAN, Stuart**; 265 S. Bayview Avenue #G, Sunnyvale, CA 94086 (US). **JUFFA, Norbert**; 460 Navarro Way #201, San Jose, CA 95134 (US).

(74) **MILLER, Louise, K.**; Advanced Micro Devices, Inc., 5204 East Ben White Boulevard, M/S 562, Austin, TX 78741 (US).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19792** (13) A1

(21) PCT/US98/21374

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,277 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/30**

(54) ● EFFICIENT PROCESSING OF CLUSTERED BRANCH INSTRUCTIONS
● TRAITEMENT EFFICACE D'INSTRUCTIONS DE BRANCHEMENT EN GRAPPE

(71) **IDEA CORPORATION** [US/US]; 19447 Pruneridge Avenue, Cupertino, CA 95014 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SHARANGPANI, Harshvardhan** [IN/US]; 558 Hubbard Avenue, Santa Clara, CA 95051 (US). **CORWIN, Michael, Paul** [US/US]; 680 Loma Verde, Palo Alto, CA 94306 (US). **MORRIS, Dale** [US/US]; 399 Pope Street, Menlo Park, CA 94025 (US). **FIELDEN, Kent** [US/US]; 1660 Firebird Way, Sunnyvale, CA 94087 (US). **YEH, Tse-Yu** [-/US]; 1241 Elkwood Drive, Milpitas, CA 95035 (US). **MULDER, Hans** [NL/US]; 199 Montcalm Street, San Francisco, CA 94110 (US). **HULL, James** [US/US]; 11101 Chadwick Place, Cupertino, CA 95014 (US).

(74) **MALLIE, Michael, J.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/949,279 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/38**

(54) ● PROCESSOR UTILIZING TEMPLATE FIELD INSTRUCTION ENCODING

● PROCESSEUR FAISANT APPEL A UN CODAGE D'INSTRUCTIONS PAR CHAMP DE GABARIT

(71) **IDEA CORPORATION** [US/US]; 19447 Pruneridge Avenue, Cupertino, CA 95014 (US). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HULL, James, M.** [US/US]; 11101 Chadwick Place, Cupertino, CA 95014 (US). **FIELDEN, Kent** [US/US]; 1466 Firebird Way, Sunnyvale, CA 94087 (US). **MULDER, Hans** [NL/US]; 199 Montcalm Street, San Francisco, CA 94110 (US). **SHARANGPANI, Harshvardhan** [IN/US]; 558 Hubbard Avenue, Santa Clara, CA 95051 (US).

(74) **MALLIE, Michael, J.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19794** (13) A1

(21) PCT/US98/21454

(22) **9 Oct/oct 1998 (09.10.1998)**

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(31) 08/949,295 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/38**

(54) ● COMPUTER ARCHITECTURE FOR THE DEFERRAL OF EXCEPTIONS ON SPECULATIVE INSTRUCTIONS
● ARCHITECTURE DE MACHINE POUVANT REALISER UN REPORT D'EXCEPTIONS DANS DES INSTRUCTIONS SPECULATIVES

(71) **INSTITUTE FOR THE DEVELOPMENT OF EMERGING ARCHITECTURES, L.L.C.** [US/US]; 19111 Pruneridge Avenue, M/S 44L18, Cupertino, CA 95014-0795 (US).

(72) **ROSS, Jonathan, K.**; 974 Lorne Way, Sunnyvale, CA 94087 (US). **MILLS, Jack, D.**; 1765 Chevalier Drive, San Jose, CA 95124 (US). **HAYS, James, O.**; 1722 Campbell Avenue, San Jose, CA 95125 (US). **BURGER, Stephen, G.**; 2257 Forbes Avenue, Santa Clara, CA 95050 (US). **MORRIS, Dale, C.**; 422 Gilbert Avenue, Menlo Park, CA 94025 (US). **THOMPSON, Carol, L.**; 6937 Calabazos Creek Circle, San Jose, CA 95129 (US). **GUPTA, Rajiv**; 1616 Randolph Parkway, Los Altos, CA 94024 (US). **FREUDENBERGER, Stefan, M.**; 71 Jordan Road, Brookline, MA 02146 (US). **HAMMOND, Gary**; 519 Sunnybrook Drive, Campbell, CA 95008 (US). **KLING, Ralph, M.**; 1422 Bedford Avenue, Sunnyvale, CA 94087 (US).

(74) **HAGGARD, Alan, H.**; Hewlett-Packard Company, IP Administration, Legal Dept. M/S 20BN, P.O. Box 10301, Palo Alto, CA 94303-0890 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 09/168,040 (32) **7 Oct/oct 1998 (07.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/38, 9/45, 11/28**

(54) ● METHOD AND APPARATUS FOR OPTIMIZING INSTRUCTION EXECUTION
● PROCEDE ET APPAREIL D'OPTIMISATION DE L'EXECUTION D'INSTRUCTIONS

(71) **INSTITUTE FOR THE DEVELOPMENT OF EMERGING ARCHITECTURES, L.L.C.** [US/US]; c/o Hewlett-Packard Company, Legal Dept. M/S 44L18, 19111 Pruneridge Avenue, Cupertino, CA 95014-0795 (US).

(72) **MORRIS, Dale, C.**; 442 Gilbert Avenue, Menlo Park, CA 94025 (US). **MILLS, Jack, D.**; 1768 Chevalier Drive, San Jose, CA 95124 (US). **CHEN, William, Y.**; 1477 Yukon Drive, Sunnyvale, CA 94087 (US).

(74) **HAGGARD, Alan, H.**; Hewlett-Packard Company, Legal Dept., M/S 20BN, P.O. Box 10301, Palo Alto, CA 94303-0890 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/947,990 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/40, 9/445**

(54) ● METHOD AND APPARATUS FOR ACCESSING AND EXECUTING THE CONTENTS OF PHYSICAL MEMORY FROM A VIRTUAL MEMORY SUBSYSTEM

● PROCEDE ET APPAREIL PERMETTANT D'ACCEDER AU CONTENU D'UNE MEMOIRE PHYSIQUE ET DE L'EXECUTER A PARTIR D'UN SOUS-SYSTEME DE MEMOIRE VIRTUELLE

(63) US

08/947,990 (CON)

9 Oct/oct 1997 (09.10.1997)

(71) **PHOENIX TECHNOLOGIES LIMITED** [US/US]; 411 East Plumeria Drive, San Jose, CA 95134 (US).
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(72, 75) **ZILMER, Matthew, E.** [US/US]; 2033 North Second Avenue, Upland, CA 91784-1447 (US).
PHAN, Quang [US/US]; 13281 Saratoga Drive, Tustin, CA 92782 (US).

(74) **ELLIS, William, T.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, DC 20007-5109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/947,986 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/44**

(54) ● APPLICATION WRAPPER METHODS AND SYSTEMS
● PROCEDES ET SYSTEMES RELATIFS AUX ENVELOPPES D'APPLICATIONS

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, Research Triangle Park, NC 27709 (US).

(72) **MOON, Billy, Gayle**; 305 Parkbranch Lane, Apex, NC 27502 (US). **BANKLER, Brian**; 910 Balmoral Drive, Cary, NC 27511 (US).

(74) **STEWART, Lawrence, A.** et al. / etc.; Brinks Hofer Gilson & Lione, Suite 2425, One Indiana Square, Indianapolis, IN 46204 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19798** (13) A1

(21) PCT/US98/19708

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) 08/947,467 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/455**

(54) ● METHOD OF EMULATING A SHIFT REGISTER USING A RAM

● PROCEDE D'EMULATION D'UN REGISTRE A DECALAGE AU MOYEN D'UNE MEMOIRE RAM

(71) **I.C. COM LTD.** [IL/IL]; Hashikma 3, 58001 Azor (IL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **FRIEDMAN, Mark, M.** [US/IL]; Alharizi 1, 43406 Raanana (IL).
(only for / seulement pour TJ)

(72, 75) **MOLEV-SHTEIMAN, Arkady** [IL/IL]; Abba Hillel Silver 57A/4, 52532 Ramat Gan (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Castorina, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/949,631 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 9/46, 9/38**

(54) ● SIGNAL PROCESSOR
● PROCESSEUR DE SIGNAUX

(71) **ANALOG DEVICES, INC.** [US/US]; One Technology Way, Norwood, MA 02062-9106 (US).

(72) **SOERENSEN, Joern**; 257 Groton Road, Westford, MA 01886 (US).

(74) **SHARKANSKY, Richard, M.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(31) 974761 (32) **15 Oct/oct 1997 (15.10.1997)** (33) NO

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 12/00**

(54) ● FAST REPLICATOR OF EMBEDDED PC FLASH DISK
● REPLIQUE RAPIDE DE DISQUE DE DISQUE FLASH DE PC

(71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S-126 25 Stockholm (SE).
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(72, 75) **NISSEN, Per, Erik** [NO/NO]; Magnus Barfotsgate, N-3046 Drammen (NO). **VEDELER, Henrik** [NO/NO]; Olaf Bulls vei 74, N-0765 Oslo (NO).

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(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/US98/21792

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/943,676 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06F 12/00, 13/00, 13/20, 13/26, 13/34**

(54) ● SYSTEM AND METHOD FOR TERMINATING LOCK-STEP SEQUENCES IN A MULTIPROCESSOR SYSTEM

● SYSTEME ET PROCEDE D'INTERRUPTION DE SEQUENCES DE FONCTIONNEMENT EN SYNCHRONISME DANS UN SYSTEME MULTIPROCESSEUR

(71) **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).
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(72, 75) **MILLER, Robert, J.** [-US]; 107 Woodwinds West Drive, Columbia, SC 29212 (US). **MCDONALD, Edward, A.** [-US]; 15347 Waywood Avenue, Baton Rouge, LA 70816 (US).

(74) **TAYLOR, Edwin, H.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9721659.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **G06F 12/02**
- (54) ● SPACE-LIMITED MARKING STRUCTURE FOR TRACING GARBAGE COLLECTORS
● STRUCTURE D'IDENTIFICATION A ESPACE LIMITE POUR TRACER LES RAMASSE-MIETTES
- (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
- (72) **HOULDSWORTH, Richard, James**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) **WHITE, Andrew, G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
- (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19803** (13) A1
- (21) PCT/US98/20173
- (22) **25 Sep/sep 1998 (25.09.1998)**
- (25) en (26) en
- (31) 60/060,655 (32) **26 Sep/sep 1997 (26.09.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 13/00, 17/30**
- (54) ● INTEGRATED CUSTOMER INTERFACE FOR WEB BASED COMMUNICATIONS NETWORK MANAGEMENT
● INTERFACE CLIENT INTEGREE POUR LA GESTION DE RESEAUX DE COMMUNICATIONS BASES SUR LE WEB
- (71, 72) **BARRY, B., Reilly** [US/US]; 310 Cliff Falls Court, Colorado Springs, CO 80920 (US). **CHODORONEK, Mark, A.** [US/US]; 6508 Trillium House Lane, Centreville, VA 20120 (US). **DEROSE, Eric** [US/US]; 3151 Anchorway Court #H, Falls Church, VA 22042 (US). **GONZALES, Mark, N.** [US/US]; 9158 Pristine Court, Manassas, VA 20110 (US). **JAMES, Angela, R.** [US/US]; 7004 Florida Street, Chevy Chase, MD 20815 (US). **LEVY, Lynne** [US/US]; 2514 Iron Forge Road, Herndon, VA 20171 (US). **TUSA, Michael** [US/US]; 12 Mulberry Street, Ridgefield, CT 06877 (US).
- (74) **GROLZ, Edward, W.** et al. / etc.; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Garden City, NY 11530 (US).
- (81) AU BR CA JP MX SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19804** (13) A2
- (21) PCT/US98/21370
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/062,144 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 60/103,814 (32) **8 Oct/oct 1998 (08.10.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 13/00**
- (54) ● METHOD AND APPARATUS FOR SENDING AND RECEIVING LIGHTWEIGHT MESSAGES
- PROCEDE ET APPAREIL D'ENVOI ET DE RECEPTION DE MESSAGES LEGERS
- (71) **INTERVAL RESEARCH CORPORATION** [US/US]; Building C, 1801 Page Mill Road, Palo Alto, CA 94304 (US).
- (72) **MAINWARING, Scott, D.**; 656 29th Street, San Francisco, CA 94131 (US). **HINDUS, Debby**; 315 Yerba Buena Avenue, San Francisco, CA 94127 (US). **MOGENSEN, Christian**; Furuveien 38, N-0678 Oslo (NO). **BURNS, Colin**; Ideo Europe, 7 Jeffreys Place, Jeffreys Street, London NW1 9PP (GB).
- (74) **COLEMAN, Brian, R.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19805** (13) A1
- (21) PCT/US98/21492
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,503 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 13/16**
- (54) ● METHOD AND APPARATUS FOR TWO STEP MEMORY WRITE OPERATIONS
● PROCEDE ET APPAREIL POUR OPERATIONS D'ECRIURE DANS UNE MEMOIRE EN DEUX TEMPS
- (71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).
- (72) **DAVIS, Paul, G.**; 2317 Rupert Drive, San Jose, CA 95124 (US). **WARE, Frederick, A.**; 13961 Fremont Pines Lanes, Los Altos Hills, CA 94022 (US). **HAMPEL, Craig, E.**; 5927 Dunn Avenue, San Jose, CA 95123 (US).
- (74) **GALLIANI, William, S.** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).
- (81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19806** (13) A1
- (21) PCT/US98/21448
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 60/061,505 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 13/42**
- (54) ● METHOD AND APPARATUS FOR FAIL-SAFE RESYNCHRONIZATION WITH MINIMUM LATENCY
● PROCEDE ET SYSTEME DE RESYNCHRONISATION A SECURITE INTEGREE AVEC TEMPS D'ATTENTE MINIMAL
- (71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).
- (72) **ZERBE, Jared, LeVan**; 755 Montrose Avenue, Palo Alto, CA 94303 (US). **CHING, Michael, Tak-kei**; 1283 Vicente Drive No. 209, Sunnyvale, CA 94086 (US). **ABHYANKAR, Abhijit, M.**; 1075 Valencia Avenue No. 8, Sunnyvale, CA 94086 (US). **BARTH, Richard, M.**; 787 Los Robles Avenue, Palo Alto, CA 94022 (US). **CHAN, Andy, Peng-Pui**; 2968 Tantalum Court, San Jose, CA 95132 (US). **DAVIS, Paul, G.**; 2317 Rupert Drive, San Jose, CA 95124 (US). **STONE-CYPHER, William, F.**; 1574 Willowbrook Drive, San Jose, CA 95118 (US).
- (74) **WILLIAMS, Gary, S.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187 (US).
- (81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19807** (13) A1
- (21) PCT/US98/21478
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/949,122 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 15/00**
- (54) ● METHODS AND APPARATUS FOR MANIFOLD ARRAY PROCESSING
● PROCEDES ET APPAREIL DE TRAITEMENT MATRICIEL MULTIPLE
- (71) **BOPS INCORPORATED** [US/US]; Suite 210, 6340 Quadrangle Drive, Chapel Hill, NC 27514 (US).
- (72) **PECHANEK, Gerald, G.**; 107 Stoneleigh Drive, Cary, NC 27511 (US). **PITSIANIS, Nikos, P.**; Apartment A11, 6205 Farrington Road, Chapel Hill, NC 27514 (US). **BARRY, Edwin, F.**; 1208 Larkhall Court, Cary, NC 27511 (US). **DRA-BENSTOTT, Thomas, L.**; Apartment M9, 6123 Farrington Road, Chapel Hill, NC 27514 (US).
- (74) **PRIEST, Peter, H.**; Law Offices of Peter H. Priest, 529 Dogwood Drive, Chapel Hill, NC 27516 (US).
- (81) CA CN IL JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19808** (13) A1
- (21) PCT/US98/21833
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) 60/062,199 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 15/163, H04M 11/00, H04J 3/00**
- (54) ● DATA TRANSFER OVER WIRE OR WIRELESS MEDIUM
● TRANSFERT DE DONNEES SUR UN SUPPORT FILAIRE OU SANS FIL
- (71) **INT LABS, INC.** [US/US]; 211 R.R. 620 S., Austin, TX 78734 (US).
- (72) **THORNTON, Barry**; 5705 Land's End, Austin, TX 78734 (US).

- (74) **KICE, Warren, B.** et al. / etc.; Haynes and Boone, 3100 NationsBank Plaza, 901 Main Street, Dallas, TX 75202 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19809** (13) A2
- (21) PCT/US98/21216
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 08/947,798 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) 09/012,163 (32) **22 Jan/jan 1998 (22.01.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/00, 7/00, G07F 7/00**
- (54) ● METHOD AND APPARATUS FOR CONTROLLING A VENDING MACHINE
● PROCEDE ET APPAREIL DE COMMANDE D'UNE MACHINE DE VENDE
- (71) **WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP** [US/US]; Four High Ridge Park, Stamford, CT 06905-1324 (US).
- (72) **WALKER, Jay, S.**; 124 Spectacle Lane, Ridgefield, CT 06877 (US). **TEDESCO, Daniel, E.**; Apartment 6, 192 Park Street, New Canaan, CT 06840 (US). **JORASCH, James, A.**; Apartment 5G, 25 Forest Street, Stamford, CT 06901 (US). **LECH, Robert, R.**; 23 Blake Street, Norwalk, CT 06851 (US).
- (74) **LECH, Robert, R.** et al. / etc.; Walker Digital Corporation, Intellectual Property Dept., Five High Ridge Park, Stamford, CT 06905-1326 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19810** (13) A1
- (21) PCT/US98/21719
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 08/951,089 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/00**
- (54) ● METHOD AND APPARATUS FOR MODEL-BASED COMPOSITING
● PROCEDE ET APPAREIL DE COMPOSITION SE BASANT SUR UN MODELE
- (71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).

- (72) **AHMAD, Subutai**; 946 Colorado Avenue, Palo Alto, CA 94303 (US).
- (74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19811** (13) A2
- (21) PCT/US98/21955
- (22) **16 Oct/oct 1998 (16.10.1998)**
- (25) en (26) en
- (31) 60/062,075 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/00**
- (54) ● NETWORKED COMPUTER SYSTEM FOR VIEWING AND ORDERING PRINTS OF PHOTOGRAPHS TAKEN AT AN EVENT
● SYSTEME INFORMATIQUE EN RESEAU POUR VISUALISER ET COMMANDER DES COPIES DE PHOTOGRAPHIES PRISES D'UN EVENEMENT
- (71, 72) **DANE, John, A.** [US/US]; 217 Sackett Street, Brooklyn, NY 11231 (US). **DANE, Michael** [US/US]; 39 John Brook Road, Canterbury, CT 06331 (US).
- (74) **GAGNEBIN, Charles, L., III** et al. / etc.; Weingarten, Schurgin, Gagnebin & Hayes LLP, Ten Post Office Square, Boston, MA 02109 (US).
- (81) AU CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19812** (13) A1
- (21) PCT/US98/20900
- (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) en (26) en
- (31) 08/950,730 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/10**
- (54) ● RECONFIGURABLE INFINITE IMPULSE RESPONSE DIGITAL FILTER
● FILTRE NUMERIQUE A REponse IMPULSIONNELLE INFINIE RECONFIGURABLE
- (71) **ZILOG, INC.** [US/US]; 910 East Hamilton Avenue, Campbell, CA 95008 (US).
- (72) **TSYRGANOVICH, Anatoliy, V.**; 906 Windsor Hills Circle, San Jose, CA 95123 (US).
- (74) **PARSONS, Gerald, P.** et al. / etc.; Majestic, Parsons, Siebert & Hsue P.C., Suite 1100, Four Embarcadero Center, San Francisco, CA 94111-4106 (US).
- (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19813** (13) A1
- (21) PCT/IL98/00403
- (22) **24 Aug/août 1998 (24.08.1998)**
- (25) en (26) en
- (31) 121990 (32) **15 Oct/oct 1997 (15.10.1997)** (33) IL
- (31) 124579 (32) **21 May/mai 1998 (21.05.1998)** (33) IL
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/24, 17/21, 17/60**
- (54) ● DEVICE FOR THE GENERATION AND USE OF MULTI-LAYERED TEXT
● DISPOSITIF PERMETTANT DE GENERER ET D'UTILISER UN TEXTE A MULTIPLES COUCHES
- (71) **MULTITEXT LTD.** [IL/IL]; Ben-Yehuda Street 142, 63402 Tel Aviv (IL).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SOBOL, Idan** [IL/IL]; Ben-Yehuda Street 142, 63402 Tel Aviv (IL).
- (74) **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19814** (13) A1
- (21) PCT/AU98/00849
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) PO 9779 (32) **14 Oct/oct 1997 (14.10.1997)** (33) AU
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/28, 17/30**
- (54) ● THE UTILISATION OF MULTI-LINGUAL NAMES ON THE INTERNET
● UTILISATION DE NOMS MULTILINGUES SUR LE RESEAU INTERNET
- (71, 72) **POUFLIS, Jason** [AU/AU]; 12 Karara Street, The Gap, QLD 4061 (AU).
- (74) **GRIFFITH HACK**; G.P.O. Box 4164, Sydney, NSW 2001 (AU).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19815** (13) A2
- (21) PCT/IB98/01592
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) en (26) en

- (31) 9721664.2 (32) **14 Oct/oct 1997** (33) GB (14.10.1997) (25) en (26) en (31) 08/949,182 (32) **10 Oct/oct 1997** (33) US (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999) (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/30, 3/00** (51)⁶ **G06F 17/30** (51)⁶ **G06F 17/60**
- (54) ● DATA MANAGEMENT WITHIN A VIRTUAL ENVIRONMENT BROWSER
● GESTION DE DONNEES SOUS FONCTION DE SURVOL D'ENVIRONNEMENT VIRTUEL
- (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
- (72) **HERON, Dale, Robert**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **GALLERY, Richard, David**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **VERHAGEN, Michael, Konstantijn**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) **WHITE, Andrew, G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19816** (13) A1
(21) PCT/US98/21291
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
- (31) 60/062,111 (32) **14 Oct/oct 1997** (33) US (14.10.1997)
- (31) 09/071,312 (32) **1 May/mai 1998** (33) US (01.05.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/30**
- (54) ● METHOD AND APPARATUS FOR AUTOMATED, CONTEXT-DEPENDENT RETRIEVAL OF INFORMATION
● PROCEDE ET DISPOSITIF POUR LA REUPERATION D'INFORMATION AUTOMATIQUE EN FONCTION DU CONTEXTE
- (71) **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** [US/US]; 77 Massachusetts Avenue, Cambridge, MA 02139 (US).
- (72) **RHODES, Bradley, J.**; 136 Columbia Street, Cambridge, MA 02139 (US). **STARNER, Thad, E.**; 7 Rogers Avenue #1, Cambridge, MA 02139 (US). **MAES, Pattie, E.**; 8 Clinton Street, Cambridge, MA 02139 (US). **PENTLAND, Alex, P.**; 46 Meriam Street, Lexington, MA 02173 (US).
- (74) **FRANK, Steven, J.** et al. / etc.; Cesari & McKenna, LLP, 30 Rows Wharf, Boston, MA 02110 (US).
- (81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19817** (13) A2
(21) PCT/US98/21506
(22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 08/949,881 (32) **14 Oct/oct 1997** (33) US (14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/30**
- (54) ● A SYSTEM AND METHOD FOR PROCESSING A MEMORY MAP TO PROVIDE LISTING INFORMATION REPRESENTING DATA WITHIN A DATABASE
● SYSTEME ET PROCEDE PERMETTANT DE TRAITER UN TOPOGRAMME MEMOIRE AFIN DE FOURNIR DES INFORMATIONS CONCERNANT DES LISTES ET REPRESENTANT DES DONNEES CONTENUES DANS UNE BASE DE DONNEES
- (71) **BELLSOUTH CORPORATION** [US/US]; 1155 Peachtree Street, N.E., Atlanta, GA 30309 (US).
- (72) **KREINER, Barrett, Morris**; 3100 River Exchange Drive #923, Norcross, GA 30092 (US). **LITWIN, Edward, Paul**; 1017 Saybrook Circle, Lilburn, GA 30247 (US).
- (74) **MITCHEM, M., Todd** et al. / etc.; Jones & Askew, LLP, 37th floor, 191 Peachtree Street, N.E., Atlanta, GA 30303 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19818** (13) A1
(21) PCT/US97/18844
(22) **14 Oct/oct 1997 (14.10.1997)**
(25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/50**
- (54) ● SYSTEM FOR LOGIC EXTRACTION FROM A LAYOUT DATABASE
● SYSTEME POUR L'EXTRACTION DE STRUCTURE LOGIQUE D'UNE BASE DE DONNEES D'IMPLANTATION
- (71) **MACRONIX INTERNATIONAL CO., LTD.** [-/-]; No. 3, Creation Road 3rd, Science-Based Industrial Park, Hsinchu 300 (TW).
(for all designated States except / pour tous les États désignés sauf US)
- (72) **75) SUN, Albert, C.** [US/-]; 4F, No. 40, Alley 69, Lane 285, Section 1, Neihu Road, Neihu, Taipei 114 (TW). **LEE, Chee-Horng** [US/-]; 2F, No. 293, Chung-Chen N. Road, San-Chung, Taipei 241 (TW). **CHEN, Chang-Lun** [-/-]; 6F, No. 56, Alley 18, Lane 210, Dong-Nam Street, Hsinchu 300 (TW). **LI, Chun-Hao** [-/-]; 3F, No. 11, Lane 147, Paohsin Road, Shuanghsi Village, Paishan, Hsinchu 300 (TW).
- (74) **HAYNES, Mark, A.**; Haynes & Bffel, P.O. Box 366, Half Moon Bay, CA 94019 (US).
- (81) JP US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19819** (13) A1
(21) PCT/US98/16517
(22) **10 Aug/août 1998 (10.08.1998)**
(25) en (26) en
- (31) 08/949,182 (32) **10 Oct/oct 1997** (33) US (10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/60**
- (54) ● ELECTRONIC PROCUREMENT SYSTEM AND METHOD FOR TRADING PARTNERS
● SYSTEME DE REGLEMENTS ELECTRONIQUES ET PROCEDE POUR PARTENAIRES COMMERCIAUX
- (71) **INTELISYS ELECTRONIC COMMERCE, LLC** [US/US]; Room 1602, 55 Water Street, New York, NY 10041-0199 (US).
- (72) **BARNES, Robert, L.**; 4 Colt Road, Summit, NJ 07901 (US). **BERTI, Andrew, J.**; 155 Washington Street, Jersey City, NJ 07302 (US). **DOYLE, Kevin**; 2 Marshcroft Cottages, Marshcroft Lane, Tring, Hertfordshire HP 23 5QN (GB). **RAWLINSON, Peter, J.**; 155 Washington Street, Jersey City, NJ 07302 (US).
- (74) **GREENSPAN, Myron**; Lackenbach Siegel Marzullo Aronson and Greenspan, P.C., 1 Chase Road, Scarsdale, NY 10583 (US).
- (81) AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19820** (13) A1
(21) PCT/US98/21460
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
- (31) 60/062,144 (32) **9 Oct/oct 1997** (33) US (09.10.1997)
- (31) Not furnished / (32) **8 Oct/oct 1998** (33) US non communiqué (08.10.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06F 17/60, G06G 7/52, H04B 3/20, 15/00**
- (54) ● ELECTRONIC AUDIO CONNECTION SYSTEM AND METHODS FOR PROVIDING SAME
● SYSTEME ET PROCEDES DE COMMUNICATION ELECTRONIQUE AUDIO
- (71) **INTERVAL RESEARCH CORPORATION** [US/US]; Building C, 1801 Page Mill Road, Palo Alto, CA 94304 (US).
- (72) **HINDUS, Debby**; 315 Yerba Buena Avenue, San Francisco, CA 94127 (US). **AIELLO, G., Robert -RAHADJAN, Krisnawan -**
- (74) **COLEMAN, Brian, R.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)

- (11) **WO 99/19821** (13) A1
 (21) PCT/US98/21518
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 60/062,410 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06F 17/60**
 (54) ● SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ELECTRONIC TRADING OF FINANCIAL INSTRUMENTS
 ● SYSTEMES, METHODES ET PROGRAMMES INFORMATIQUES DESTINES A LA NEGOCIATION ELECTRONIQUE D'INSTRUMENTS FINANCIERS
 (71) **DERIVATIVES NET, INC.** [US/US]; 112 South Tryon Street, Charlotte, NC 28284 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72) 75 **MAY, R., Raymond** [GB/US]; 1526 Reverdy Oaks Drive, Matthews, NC 28105 (US).
 (74) **TAULBEE, George, M.** et al. / etc.; Bell Seltzer Intellectual Property Law Group Alston & Bird LLP, P.O. Drawer 34009, Charlotte, NC 28234 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19822** (13) A2
 (21) PCT/US98/19352
 (22) **16 Sep/sep 1998 (16.09.1998)**
 (25) en (26) en
 (31) 08/949,438 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06F 121/4**
 (54) ● SYSTEM AND METHOD FOR DISCOVERING COMPROMISED SECURITY DEVICES
 ● SYSTEME ET PROCEDE SERVANT A RECHERCHER DES DISPOSITIFS DE SECURITE COMPROMIS
 (71) **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, WA 98052-6399 (US).
 (72) **BIRDWELL, Kenneth, J.**; 17452 N.E. 12th Street, Bellevue, WA 98008-3816 (US). **YACOBI, Yacov**; 5050 W. Mercer Way, Mercer Island, WA 98040 (US).
 (74) **LEE, Lewis, C.** et al. / etc.; Suite 430, W. 201 North River Drive, Spokane, WA 99201 (US).
 (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19823** (13) A2
 (21) PCT/US98/21353

- (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 08/948,891 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06K 7/10**
 (54) ● METHODS AND SYSTEMS FOR PROVIDING HUMAN/COMPUTER INTERFACES
 ● PROCEDES ET SYSTEMES PERMETTANT DE FOURNIR DES INTERFACES HOMME/MACHINE
 (71) **INTERVAL RESEARCH CORPORATION** [US/US]; Building C, 1801 Page Mill Road, Palo Alto, CA 94304 (US).
(for all designated States except / pour tous les États désignés sauf US)
 (72) 75 **DOUGHERTY, Thomas, J.** [US/US]; 317 Ramon Drive, Los Altos, CA 94024 (US). **MOUNTFORD, S., Joy** [US/US]; 491 Frances Way, Mountain View, CA 94041 (US). **DOROGUSKER, Jesse, L.** [US/US]; 136 B. Amerst Avenue, Menlo Park, CA 94025 (US). **BOYDEN, James, H.** [US/US]; 25666 Chapin Road, Los Altos Hills, CA 94022 (US). **VAN ALLEN, Philip, A.** [US/US]; 97 Elise Street, San Francisco, CA 94110 (US). **CUMMINGS, Daniel, E.** [US/US]; 1655 Waller Street #4, San Francisco, CA 94117 (US). **ULLMER, Brygg, A.** [US/US]; 32 Bristol Street #3, Cambridge, MA 02141 (US).
 (74) **COLEMAN, Brian, R.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19824** (13) A1
 (21) PCT/US98/21334
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/948,637 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06K 9/00**
 (54) ● METHOD FOR MONITORING NITROGEN STATUS USING A MULTI-SPRETRAL IMAGING SYSTEM
 ● PROCEDE DE SURVEILLANCE DE LA TENEUR EN AZOTE A L'AIDE D'UN SYSTEME D'IMAGERIE MULTISPECTRALE
 (71) **CASE CORPORATION** [US/US]; 700 State Street, Racine, WI 53404 (US).
 (72) **DICKSON, Monte, Andre**; 221 Arlington Avenue, Naperville, IL 60565 (US). **HENDRICKSON, Larry, Lee**; 1112 Cordula Circle, Naperville, IL 60564 (US).
 (74) **VOGEL, Peter, J.** et al. / etc.; Foley & Lardner, 777 East Wisconsin Avenue, Milwaukee, WI 53202-5367 (US).
 (81) AU BR CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19825** (13) A1
 (21) PCT/US98/21383
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 08/947,756 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06K 9/00, H04N 7/18, G01R 31/00**
 (54) ● ELECTRONIC ASSEMBLY VIDEO INSPECTION SYSTEM
 ● SYSTEME D'INSPECTION VIDEO D'ENSEMBLE ELECTRONIQUE
 (63) US 08/947,756 (CON)
 9 Oct/oct 1997 (09.10.1997)
 (71, 72) **VILELLA, Joseph, L.** [US/US]; Suite A, 7742 Arjons Drive, San Diego, CA 92126 (US).
 (74) **CHARMASSON, Henri, J., A.** et al. / etc.; Suite 150, 1545 Hotel Circle South, San Diego, CA 92108-3412 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19826** (13) A1
 (21) PCT/US98/21668
 (22) **10 Oct/oct 1998 (10.10.1998)**
 (25) en (26) en
 (31) 08/950,404 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **G06K 9/00**
 (54) ● A COMPUTER VISION SYSTEM FOR SUBJECT CHARACTERIZATION
 ● SYSTEME DE VISION ARTIFICIELLE POUR LA CARACTERISATION D'UN SUJET
 (71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).
 (72) **AHMAD, Subutai**; 946 Colorado Avenue, Palo Alto, CA 94303 (US). **HUNTER, Kevin, L.**; 1470 Via Condorniz, San Jose, CA 95128 (US).
 (74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19827** (13) A1
 (21) PCT/US98/21669
 (22) **14 Oct/oct 1998 (14.10.1998)**

- (25) en (26) en
- (31) 08/951,087 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 9/36, 9/32, H04N 9/74, 9/76**
- (54) ● METHOD AND APPARATUS FOR UNENCUMBERED CAPTURE OF AN OBJECT
● PROCEDE ET APPAREIL DE SAISIE D'UN OBJET EN VUE FANTOME
- (71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).
- (72) **KELLNER, Charles, R.**; 37173 Creekside Terrace #248, Fremont, CA 94536 (US).
- (74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19828** (13) A1
- (21) PCT/US98/21999
- (22) **15 Oct/oct 1998** (15.10.1998)
- (25) en (26) en
- (31) 60/062,068 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (31) 60/062,361 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 9/48**
- (54) ● METHOD AND APPARATUS FOR PERFORMING A CLEAN BACKGROUND SUBTRACTION
● PROCEDE ET APPAREIL POUR REALISER LA SOUSTRACTION D'UN OBJET D'UN ARRIERE-PLAN AVEC DES CONTOURS NETS
- (71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).
- (72) **EDWARDS, Jeffrey, L.**; 2 Townsend 2-403, San Francisco, CA 94107 (US).
- (74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- Published / Publiée : (c)
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- (11) **WO 99/19829** (13) A1
- (21) PCT/US98/20281
- (22) **28 Sep/sep 1998** (28.09.1998)
- (25) en (26) en
- (31) 60/061,780 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (31) 60/067,336 (32) **2 Dec/déc 1997** (33) US
(02.12.1997)
- (31) 09/118,357 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/118,423 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/118,606 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/118,607 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/118,610 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/118,653 (32) **17 Jul/juil 1998** (33) US
(17.07.1998)
- (31) 09/120,769 (32) **22 Jul/juil 1998** (33) US
(22.07.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 15/00**
- (54) ● ARTICLE-INFORMATION DISPLAY SYSTEM USING ELECTRONICALLY CONTROLLED TAGS
● SYSTEME D'AFFICHAGE D'INFORMATIONS PRODUITS UTILISANT DES ETIQUETTES A COMMANDE ELECTRONIQUE
- (71) **DISPLAY EDGE TECHNOLOGY, LTD.** [US/US]; 701 Ridge Avenue, Troy, OH 45374 (US).
- (72) **KAYSER, Kenneth, W.**; 3 N. 995 Thorntree Road, St. Charles, IL 60174 (US). **FREDERICK, W., Richard**; 744 Bonnie Brook, Mundelein, IL 60060 (US). **SWARTZEL, Stanley, J.**; 129 Whispering Drive, Trotwood, OH 45426 (US).
- (74) **RUDISILL, Stephen, G.**; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19830** (13) A1
- (21) PCT/US98/21587
- (22) **13 Oct/oct 1998** (13.10.1998)
- (25) en (26) en
- (31) 60/062,348 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (31) Not furnished / (32) **7 Oct/oct 1998** (33) US
non communiqué (07.10.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 15/00, G06F 3/12, G06T 11/00**
- (54) ● METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR OBJECT-BASED RASTER IMAGING
● PROCEDE, DISPOSITIF ET PRODUIT-PROGRAMME INFORMATIQUE DESTINES A LA FORMATION D'IMAGES MATRICIELLES BASEES SUR DES OBJETS
- (71) **PIXO ARTS CORPORATION** [US/US]; Suite 110, 2570 West El Camino Real, Mountain View, CA 94040 (US).
- (72) **LIU, Clive, K.**; 25426 Adobe Lane, Los Altos Hills, CA 94022 (US). **VASILEV, Dmitriy, N.**; 14362 Springer Avenue, Saratoga, CA 95070 (US). **SINGH, Rarendra, P.**; P-250 Jalvayo Vihqr, Gurgaon, Haryana 1222001 (IN).
- (74) **SWERNOFSKY, Steven, A.**; The Law Offices of Steven A. Swernofsky, P.O. Box 390013, Mountain View, CA 94039-0013 (US).
- (81) CA CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19831** (13) A1
- (21) PCT/CH98/00431
- (22) **8 Oct/oct 1998** (08.10.1998)
- (25) fr (26) fr
- (31) 2366/97 (32) **9 Oct/oct 1997** (33) CH
(09.10.1997)
- (31) 97/14691 (32) **19 Nov/nov 1997** (33) FR
(19.11.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 17/00, G04D 7/00**
- (54) ● TERMINAL FOR MANAGING PRODUCTS, MANAGEMENT DEVICE AND PRODUCT MANAGEABLE WITH SUCH A DEVICE
● TERMINAL POUR LA GESTION DE PRODUITS, DISPOSITIF DE GESTION ET PRODUIT SUSCEPTIBLE D'ETRE GERE AU MOYEN DE CE DISPOSITIF
- (71, 72) **GIRARDET, François** [CH/CH]; Rue de l'Evole 77, CH-2000 Neuchâtel (CH).
- (74) **GRESSET-LAESSER-NITHARDT**; Cabinet de Conseils en propriété industrielle, Puits-Godet 8A, CH-2000 Neuchâtel (CH).
- (81) CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19832** (13) A1
- (21) PCT/DE98/02768
- (22) **17 Sep/sep 1998** (17.09.1998)
- (25) de (26) de
- (31) 197 45 648.0 (32) **15 Oct/oct 1997** (33) DE
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G06K 19/077**
- (54) ● CARRIER ELEMENT FOR A SEMICONDUCTOR CHIP FOR INSTALLING IN CHIP CARDS
● ELEMENT SUPPORT POUR UNE PUCE DE SEMI-CONDUCTEUR A INSERER DANS UNE CARTE A PUCE
- (71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
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- (72, 75) **PÜSCHNER, Frank** [DE/DE]; Kohlen-schachtweg 5, D-93309 Kelheim (DE). **FISCHER, Jürgen** [DE/DE]; Am Haslach 17 A, D-93180 Deuerling (DE). **HEITZER, Josef** [DE/DE]; Alleestrasse 6, D-93090 Bach (DE).
- (74) **SIEMENS AG**; Postfach 22 16 34, D-80506 München (DE).

(81) BR CN JP KR MX RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19833** (13) A2

(21) PCT/DE98/02958

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) de (26) de

(31) 197 44 407.5 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T**

(54) ● METHOD FOR MULTIDIMENSIONAL DISCREET WAVELET TRANSFORMATION AND TRANSFORMATION UNIT FOR CARRYING OUT THIS METHOD

● METHODE DE TRAITEMENT DISCRET MULTIDIMENSIONNEL EN ONDELETTES ET UNITE DE TRAITEMENT POUR L'APPLICATION DE CETTE METHODE

(71) **LURATECH GESELLSCHAFT FÜR LUFT- UND RAUMFAHRT-TECHNOLOGIE & MULTIMEDIA MBH** [DE/DE]; Rudower Chaussee 5, D-12489 Berlin (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **MARTIN, Uwe** [DE/DE]; Herzhorner Weg 9 B, D-15345 Prötzel (DE). **RÖSEL, Reinhardt** [DE/DE]; Grünauer Strasse 7, D-12524 Berlin (DE). **THIERSCHMANN, Michael** [DE/DE]; Marientaler Strasse 24 A, D-12437 Berlin (DE).

(74) **PFEIFFER, Eva**; Brucknerstrasse 9 B, D-01309 Dresden (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19834** (13) A1

(21) PCT/US98/21282

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/953,840 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T 3/40**

(54) ● ADAPTIVE DIAGONAL INTERPOLATION FOR IMAGE RESOLUTION ENHANCEMENT

● INTERPOLATION DIAGONALE ADAPTATIVE PERMETTANT D'AMELIORER LA RESOLUTION D'UNE IMAGE

(71) **FAROUDJA LABORATORIES, INC.** [US/US]; 750 Palomar Avenue, Sunnyvale, CA 94086 (US).

(72) **CAMPBELL, Jack, J.**; 1161 De Haro Street, San Francisco, CA 94107 (US).

(74) **GALLAGHER, Thomas, A.** et al. / etc.; Gallagher & Lathrop, Suite 1111, 601 California Street, San Francisco, CA 94108-2805 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19835** (13) A1

(21) PCT/US98/03220

(22) **17 Feb/fév 1998 (17.02.1998)**

(25) en (26) en

(31) 08/949,735 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T 3/60**

(54) ● METHOD AND APPARATUS FOR IMAGE ROTATION

● PROCEDE ET APPAREIL DE ROTATION D'IMAGE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) **GROEZINGER, John, L.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **SINGLEY, Donald, H.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **HORNICKEL, John, H.**; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19836** (13) A1

(21) PCT/GB98/03038

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9721591.7 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(31) 9721592.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T 7/00**

(54) ● IMAGE PROCESSING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT

● SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE DE TRAITEMENT D'IMAGES

(71) **HARLEQUIN GROUP PLC** [GB/GB]; Barrington Hall, Barrington, Cambridge CB2 5RG (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **APPLEBY, Kenneth, Philip** [GB/GB]; 4 Roman Hill, Barton, Cambridge CB3 7AX (GB).

(74) **LUNT, Mark, George, Francis**; Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19837** (13) A1

(21) PCT/GB98/03041

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9721592.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T 7/00**

(54) ● IMAGE PROCESSING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT

● SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE DE TRAITEMENT DES IMAGES

(71) **HARLEQUIN GROUP PLC** [GB/GB]; Barrington Hall, Barrington, Cambridge CB2 5RG (GB). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **APPLEBY, Kenneth, Philip** [GB/GB]; 4 Roman Hill, Barton, Cambridge CB3 7AX (GB).

(74) **LUNT, Mark, George, Francis**; Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19838** (13) A2

(21) PCT/US98/20922

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 60/061,569 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 08/984,681 (32) **3 Dec/déc 1997 (03.12.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G06T 7/60**

(54) ● METHOD AND SYSTEM FOR ESTIMATING JOINTED-FIGURE CONFIGURATIONS

● PROCEDE ET SYSTEME POUR ESTIMER DES CONFIGURATIONS DE FIGURES ARTICULEES

(71) **ELECTRIC PLANET INTERACTIVE** [US/US]; 3250 Ash Street, Palo Alto, CA 94306 (US).

(72) **COVELL, Michele**; 12121 Page Mill Road, Los Altos Hills, CA 94022 (US). **AHMED, Subutai**; 946 Colorado Street, Palo Alto, CA 94303 (US).

(74) **LABARRE, James, A.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19839** (13) A1
(21) PCT/SE98/01809
(22) **7 Oct/oct 1998 (07.10.1998)**
(25) en (26) en
(31) 9703690-9 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
(31) 9800088-8 (32) **16 Jan/jan 1998 (16.01.1998)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G06T 9/00, H04N 7/26 // 7/12**
(54) ● LOSSLESS REGION OF INTEREST CODING
● CODAGE SANS PERTE D'UNE REGION D'INTERET (ROI)
(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **NISTER, David** [SE/SE]; Hässjevägen 1, S-756 47 Uppsala (SE). **CHRISTOPOULOS, Charilaos** [GR/SE]; Lomvägen 641, S-192 57 Sollentuna (SE).
(74) **SANDSTRÖM, Staffan** et al. / etc.; Bergenstråhle & Lindvall AB, P.O. Box 17704, S-118 93 Stockholm (SE).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19840** (13) A1
(21) PCT/US98/22031
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 60/062,361 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G06T 17/00**
(54) ● A SYSTEM AND METHOD FOR GENERATING AN ANIMATABLE CHARACTER
● SYSTEME ET PROCEDE POUR PRODUIRE UN PERSONNAGE ANIME
(71) **ELECTRIC PLANET, INC.** [US/US]; 3200 Ash Street, Palo Alto, CA 94306 (US).
(72) **HUNTER, Kevin, L.**; 1470 Via Condorniz, San Jose, CA 95128 (US).
(74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19841** (13) A2
(21) PCT/EP98/06491
(22) **13 Oct/oct 1998 (13.10.1998)**
(25) en (26) en
(31) 08/950,243 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 09/020,128 (32) **6 Feb/fév 1998 (06.02.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G07C 15/00, G06F 17/60**
(54) ● APPARATUS AND METHOD FOR CONDUCTING GAMES OF CHANCE
● APPAREIL ET PROCEDE POUR PRATIQUER DES JEUX DE HASARD
(71) **SUPRA ENGINEERING LIMITED** [IE/IE]; 98 Lower Baggot Street, Dublin 2 (IE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KAIL, Gianni** [IT/IT]; Via Moretta, 41, I-10139 Torino (IT).
(74) **VOSSIUS & PARTNER**; Siebertstrasse 4, D-81675 München (DE).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19842** (13) A1
(21) PCT/US98/21979
(22) **16 Oct/oct 1998 (16.10.1998)**
(25) en (26) en
(31) 08/951,681 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(31) 09/141,953 (32) **28 Aug/août 1998 (28.08.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G07D 3/00**
(54) ● COIN AND COIN-LIKE OBJECT SORTER
● TRIEUSE DE PIECES DE MONNAIE ET D'OBJETS DU TYPE PIECES
(71, 72) **RISTVEDT, Victor, G.** [US/US]; 70 Forestwood Drive, Manchester, TN 37355 (US). **RISTVEDT, Mark, E.** [US/US]; 102 Canterbury Road, Oak Ridge, TN 37830 (US).
(74) **PHILLIPS, Charles, A.**; Suite K, 1100 Jordan Lane, Huntsville, AL 35816 (US).
(81) CA JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- Published / Publiée : (a)
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- (11) **WO 99/19843** (13) A2
(21) PCT/DE98/03027
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) de (26) de
(31) 197 45 267.1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
-
- (51)⁶ **G07F 7/08, 19/00**
(54) ● METHOD FOR USING CHIP CARD MEMORY UNITS
● PROCEDE PERMETTANT D'UTILISER DES UNITES MEMOIRE DE CARTES A PUCE
(71) **ANGEWANDTE DIGITAL ELEKTRONIK GMBH** [DE/DE]; Ecksweg 4, D-21521 Dassendorf (DE).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **KREFT, Hans-Diedrich** [DE/DE]; Ecksweg 4, D-21521 Dassendorf (DE).
(74) **MIERSWA, Klaus**; Friedrichstrasse 171, D-68199 Mannheim (DE).
(81) DE JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19844** (13) A1
(21) PCT/CZ98/00038
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) PV 3188-97 (32) **8 Oct/oct 1997 (08.10.1997)** (33) CZ
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G07F 7/10**
(54) ● A METHOD OF COMMUNICATION BETWEEN AN EXTERNAL TERMINAL OF A BANK ACCOUNT USER AND AN INTERNAL TERMINAL OF A BANKING SYSTEM BY MEANS OF A TELEPHONE NETWORK AND A DEVICE FOR CARRYING OUT THE METHOD
● PROCEDE DE COMMUNICATION ENTRE UN TERMINAL EXTERNE ET UN UTILISATEUR DE COMPTE BANCAIRE ET UN TERMINAL INTERNE D'UN SYSTEME BANCAIRE AU MOYEN D'UN RESEAU TELEPHONIQUE ET DISPOSITIF DE MISE EN OEUVRE DU PROCEDE
(71, 72) **KUTÁLKOVÁ, Šárka** [CZ/CZ]; Úprkova 8, 621 00 Brno (CZ). **BŘEZINOVÁ, Kamila** [CZ/CZ]; Vranovská 19, 614 00 Brno (CZ).
(74) **MUSIL, Dobroslav**; Patent Office, Cejl 97, 659 18 Brno (CZ).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/19845** (13) A1
(21) PCT/US98/19717
(22) **21 Sep/sep 1998 (21.09.1998)**
(25) en (26) en
(31) 60/060,643 (32) **1 Oct/oct 1997 (01.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G07F 7/10**
(54) ● A METHOD AND APPARATUS USING DIGITAL CREDENTIALS AND OTHER ELECTRONIC CERTIFICATES FOR ELECTRONIC TRANSACTIONS

● PROCEDE ET APPAREIL UTILISANT DES JUSTIFICATIFS D'IDENTITE NUMERIQUES ET D'AUTRES CERTIFICATS ELECTRONIQUES DESTINES A DES TRANSACTIONS ELECTRONIQUES

(71) **AT & T CORP.** [US/US]; 32 Avenue of the Americas, New York, NY 10013-2412 (US).

(72) **MAHER, David, P.**; 117 Old Mill Court, Ponte Vedra Beach, FL 32082 (US).

(74) **DWORETSKY, Samuel, H.** et al. / etc.; AT & T Corp., P.O. Box 4110, Middletown, NJ 07748 (US).

(81) BR CA MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19846** (13) A2

(21) PCT/US98/21575

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,918 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G07F 7/10**

(54) ● PERSONALIZATION OF SMART CARDS
● PERSONNALISATION DE CARTES A PUCE

(71) **VISA INTERNATIONAL SERVICE ASSOCIATION** [US/US]; 900 Metro Center Boulevard, Foster City, CA 94404 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEE, Alson** [US/US]; 1320 N. Plum Grove Road, Schaumburg, IL 60173 (US). **GORDEN, Mary, L.** [US/US]; 619 Cedarberry Lane, San Rafael, CA 94903 (US).

(74) **SCOTT, Jonathan, O.**; Beyer & Weaver, LLP, P.O. Box 61059, Palo Alto, CA 94306 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19847** (13) A1

(21) PCT/SE98/01830

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) sv (26) en

(31) 9703682-6 (32) **9 Oct/oct 1997 (09.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G07F 9/06**

(54) ● CARTRIDGE FOR AUTOMATIC BANK NOTE DISPENSERS
● CARTOUCHE DESTINEE A UN DISTRIBUTEUR AUTOMATIQUE DE BILLETS DE BANQUE

(71) **BILLCOIN SYSTEMS AB** [SE/SE]; P.O. Box 237, S-532 23 Skara (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FOLKESSON, Björn** [SE/SE]; P.O. Box 248, S-532 23 Skara (SE).

(74) **AWAPATENT AB**; P.O. Box 11394, S-404 28 Göteborg (SE).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19848** (13) A1

(21) PCT/US98/21146

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/949,996 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G07F 11/28**

(54) ● METHOD AND APPARATUS FOR VERTICALLY ARRANGED DISPENSING TRAYS FOR VENDING MACHINES

● PROCEDE ET APPAREIL RELATIFS AUX PLATEAUX DE DISTRIBUTION A DISPOSITION VERTICALE DESTINES AUX DISTRIBUTEURS AUTOMATIQUES

(71) **GROSS-GIVEN MANUFACTURING COMPANY** [US/US]; 75 West Plato Boulevard, St. Paul, MN 55107 (US).

(72) **SORENSEN, Steven, W.**; 2660 Keller Parkway, Maplewood, MN 55109 (US). **SKAVNAK, James, E.**; 4815 Xerxes Avenue South, Minneapolis, MN 55410 (US). **GOTICH, Thomas F.**; 4274 MacLaren Place, Eagan, MN 55123 (US). **LOTSPEICH, Joseph, A.**; 2048 Charlton Ridge, West St. Paul, MN 55118 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AU CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19849** (13) A1

(21) PCT/US98/21144

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/949,366 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G07F 11/32**

(54) ● APPARATUS AND METHOD FOR VENDING PRODUCTS
● APPAREIL ET PROCEDE DE DISTRIBUTION D'ARTICLES

(71) **GROSS-GIVEN MANUFACTURING COMPANY** [US/US]; 75 West Plato Boulevard, St. Paul, MN 55107 (US).

(72) **SORENSEN, Steven, W.**; 2660 Keller Parkway, Maplewood, MN 55109 (US). **SKAVNAK, James, E.**; 4815 Xerxes Avenue South, Minneapolis, MN 55410 (US). **GOTICH, Thomas, F.**; 4274 MacLaren Place, Eagan, MN 55123 (US). **HUDIS, Scott**; 14909 19th Street North, Stillwater, MN 55082 (US). **LOTSPEICH, Joseph, A.**; 2048 Charlton Ridge, West St. Paul, MN 55118 (US).

(74) **BRUESS, Steven, C.**; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).

(81) AU CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19850** (13) A1

(21) PCT/AP98/00003

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 97/8409 (32) **9 Oct/oct 1997 (09.10.1997)** (33) ZA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G08B 13/14, B60R 25/10**

(54) ● ALARM SYSTEM
● SYSTEME D'ALARME

(63) US Not furnished / non communiqué (CIP)
Not furnished / non communiquée

(71) **CHENGETA, Cuthbert** [ZW/ZW]; Throgmorton House, 51 Samora Machel Avenue, Harare (ZW).
(for all designated States except / pour tous les États désignés sauf US)

(71, 72) **GREEN, Llewellyn, Roland** [ZA/ZA]; 16 Jukskei Avenue, Virginia, Free state Province (ZA).

(74) **HONEY & BLANCKENBERG**; Throgmorton House, P.O. Box 85, Harare (ZW).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19851** (13) A1

(21) PCT/US98/18454

(22) **3 Sep/sep 1998 (03.09.1998)**

(25) en (26) en

(31) 08/943,679 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G08B 13/14**

(54) ● HIGH TEMPERATURE RFID TAG
● ETIQUETTE RFID HAUTE TEMPERATURE

(71) **ESCORT MEMORY SYSTEMS** [US/US]; 3 Victor Square, Scotts Valley, CA 95066 (US).

- (72) **NICHOLSON, Mark**; 3 Oak Creek Boulevard, Scotts Valley, CA 95066 (US). **MONAHAN, Brian**; 1865 Rodriguez Street, Santa Cruz, CA 95062 (US).
- (74) **FRANCIS, Ralph, C.**; Francis Law Group, 1946 Embarcadero, Oakland, CA 94606 (US).
- (81) AU CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19852** (13) A1
- (21) PCT/GB98/03079
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 9721861.4 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G08B 17/107**
- (54) ● HIGH SENSITIVITY PARTICLE DETECTION
● DETECTION HAUTE SENSIBILITE DE PARTICULES
- (71) **KIDDE FIRE PROTECTION LIMITED** [GB/GB]; Pentagon House, Sir Frank Whittle Road, Derby (GB).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **POWELL, Brian** [GB/GB]; 22 Loosen Drive, Maidenhead, Berkshire SL6 3UR (GB).
- (74) **MATHISEN, MACARA & CO.**; The Coach House, 6-8 Swakeleys Road, Ickenham, Uxbridge, Middlesex UB10 8BZ (GB).
- (81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19853** (13) A1
- (21) PCT/SE98/01813
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) sv (26) en
- (31) 9703728-7 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G08B 21/00, B65D 55/02, 85/57, G11B 33/04**
- (54) ● ANTI-THEFT DEVICE FOR A COMPACT DISK IN A SLIP COVER
● DISPOSITIF ANTIVOL DESTINE A UN DISQUE COMPACT DANS UNE POCHETTE
- (71) **MW INTERNATIONAL, LTD.** [GB/GB]; MW House, 7 Hurlands Business Centre, Farnham, Surrey GU9 9JE (GB).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HOLMGREN, Bertil** [SE/SE]; Räng Sandsvågen 59, S-235 91 Vellinge (SE).
- (74) **STRÖM, Tore** et al. / etc.; Ström & Gulliksson AB, P.O. Box 4188, S-203 13 Malmö (SE).
- (81) AU BR CA CN JP KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19854** (13) A1
- (21) PCT/US98/21372
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en

- (31) 60/062,144 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (31) Not furnished / non communiqué (32) **8 Oct/oct 1998 (08.10.1998)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G08B 23/00, 1/08, 5/22, G08C 19/00, H04Q 1/30, 7/00, 3/02, H04B 7/00, 1/38, 1/16, G06F 15/02, H04M 1/64, 1/10/00, 1/00, H04L 9/00**
- (54) ● METHOD AND APPARATUS FOR SENDING PRESENCE MESSAGES
● PROCEDE ET APPAREIL D'ENVOI DE MESSAGES DE PRESENCE
- (71) **INTERVAL RESEARCH CORPORATION** [US/US]; Building C, 1801 Page Mill Road, Palo Alto, CA 94304 (US).
- (72) **HINDUS, Debby**; 315 Yerba Buena Avenue, San Francisco, CA 94127 (US). **BRECHIN, Elaine**; 13 Hawthorn Crescent, Old Stockethill, Aberdeen AB16 SLT (GB). **DOROGUSKER, Jesse, L.**; Apartment B, 136 Amherst Avenue, Menlo Park, CA 94025 (US). **HAGSTROM, Anna, E.**; 1365 Bay Laurel Drive, Menlo Park, CA 94025 (US). **MAINWARING, Scott, D.**; 656 29th Street, San Francisco, CA 94131 (US). **BAYLEY, Oliver**; **MOSLINGER, Sigrid**; **BURNS, Colin**; **JACKSON, Donald, C.**; **GUILHAMET, Steve**; **FOGG, Brian, J.**; **WHITE, Sean, M.**
- (74) **HICKMAN, Paul, L.**; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19855** (13) A1
- (21) PCT/US97/18755
- (22) **14 Oct/oct 1997 (14.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G08C 21/00, G09G 3/02**
- (54) ● RESISTIVE TOUCHSCREEN HAVING MULTIPLE SELECTABLE REGIONS FOR PRESSURE DISCRIMINATION
● ECRAN TACTILE RESISTANT PRESENTANT DES ZONES MULTIPLES DE SELECTION AU MOYEN D'UNE DISCRIMINATION PAR LA PRESSION
- (63) US Not furnished / non communiqué (CIP)
Not furnished / non communiqué
- (71) **ELO TOUCHSYSTEMS, INC.** [US/US]; 41752 Christy Street, Fremont, CA 94538 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **PHARES, Robert** [US/US]; 10726 Bell Valley Drive, Knoxville, TN 37922 (US).
- (74) **PITTS, Robert, E.** et al. / etc.; Pitts & Brittan, P.C., P.O. Box 51295, Knoxville, TN 37950-1295 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/19856** (13) A1
- (21) PCT/FR98/02059
- (22) **25 Sep/sep 1998 (25.09.1998)**
- (25) fr (26) fr
- (31) 97/12873 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FR
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G09F 3/02**
- (54) ● LABELLING METHOD
● PROCEDE D'ETIQUETAGE
- (71, 72) **CHASTAGNOL, Hervé, Michel, Gabriel** [FR/FR]; 14 bis, allée Massenet, F-93270 Sevran (FR).
- (74) **VANDER HEYM, Serge**; 172, boulevard Voltaire, F-75011 Paris (FR).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19857** (13) A1
- (21) PCT/US98/21733
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 97117765.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G09F 3/10, 3/04, B29C 45/14**
- (54) ● RECYCLABLE LABEL
● ETIQUETTE RECYCLABLE
- (71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **NGUYEN, Quoc, H.** [VN/VN]; Krefelder Strasse 231, D-47918 Tonisvorst (DE).
- (74) **TRUSSELL, James, J.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (81) JP US.

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- (11) **WO 99/19858** (13) A1
- (21) PCT/CN98/00213
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) zh (26) zh
- (31) 97 1 08671.0 (32) **8 Oct/oct 1997 (08.10.1997)** (33) CN
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G09F 9/30, H05B 33/12, G09G 3/20**
- (54) ● FALT PANEL DISPLAY
● AFFICHEUR PLAT
- (71, 72) **ZHOU, Rong** [CN/CN]; Xi'an Jiaotong University, Xi'an City, P.O. Box 9785, Shaanxi 710049 (CN).
- (74) **CCPIT PATENT AND TRADEMARK LAW OFFICE**; 8th floor, 2 Fuchengmenwai Street, Beijing 100037 (CN).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19859** (13) A2

(21) PCT/GB98/03090

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 97/9214 (32) **15 Oct/oct 1997 (15.10.1997)** (33) ZA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G09F 11/32**

(54) ● DISPLAY APPARATUS
● DISPOSITIF DE PRESENTATION

(71) **FAIRBAIRN TRUST COMPANY LIMITED A/C F12519 IN THEIR CAPACITY AS TRUSTEES OF THE GS SEBENZA TRUST** [-/-]; Fairbairn Reads, Fairbairn House, Guernsey (GB). **INNOVATION VENTURE LIMITED** [GB/GB]; 32 Athol Street, Douglas, Isle of Man IM1 1JB (GB).
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(72, 75) **STERLING, Paul** [ZA/ZA]; 25 Kew Road, Valhalla, Pretoria 0185 (ZA). **VAN GOETHEM, Ignace, Marie, Genevieve, Josef** [BE/ZA]; 13 Morribrook Avenue, Linksfield North 2192 (ZA).

(74) **BARLOW, Roy, James** et al. / etc.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19860** (13) A1

(21) PCT/US98/21859

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 08/951,601 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G09G 1/16, 5/02**

(54) ● BIOS ROM WITH TABLE FOR EXPANDING MONOCHROME IMAGE INTO COLOR IMAGE
● MEMOIRE MORTE (ROM) DE SYSTEME D'ENTREE-SORTIE DE BASE (BIOS) COMPRENANT UNE TABLE D'EXTENSION POUR TRANSFORMER DES IMAGES MONOCHROMES EN IMAGES COULEUR

(63) US 08/951,601 (CON)
16 Oct/oct 1997 (16.10.1997)

(71) **PHOENIX TECHNOLOGIES, LTD.** [US/US]; 411 E. Plumeria Drive, San Jose, CA 95134 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LEWIS, Timothy, A.** [US/US]; 33775 Shallow Court, Fremont, CA 94555 (US).

(74) **ELLIS, William, T.** et al. / etc.; Foley & Lardner, Suite 500, 3000 K Street, Washington, DC 20007-5109 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19861** (13) A1

(21) PCT/US98/21195

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/949,681 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G09G 5/00, 5/08**

(54) ● OPTICAL-MECHANICAL ROLLER WITH RATCHET
● MOLETTE OPTIQUE-MECANIQUE A CLIQUET

(63) US 08/949,681 (CIP)
14 Oct/oct 1997 (14.10.1997)

(71) **LOGITECH, INC.** [US/US]; 6505 Kaiser Drive, Fremont, CA 94555-3615 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MERMINOD, Antoine, A.** [CH/CH]; Treytorrens, CH-1096 Cully (CH). **BIDIVILLE, Marc, A.** [CH/CH]; Caudoz #40, CH-1009 Pully (CH). **CHANG, Ting, Hu** [-/-]; 5F-3, No. 22 Sec376, Guang Fuh Road, Hsinchu (TW).

(74) **HAUGHEY, Paul, C.** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19862** (13) A1

(21) PCT/JP98/04624

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) ja (26) ja

(31) 9/278788 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G09G 5/34, 5/36**

(54) ● DISPLAY METHOD IN WHICH IMAGE FILE IS SCROLLED IN LOOP MANNER

● PROCEDE D'AFFICHAGE DANS LEQUEL UN FICHER IMAGE DEFILE DE MANIERE CYCLIQUE

(71) **IMAZU, Youko** [JP/JP]; 601, Yoko-machi, Tenpaku-ku, Nagoya-shi, Aichi 468-0054 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **OSANAI, Naoya** [JP/JP]; 10-20, Kamimaezu 2-chome, Naka-ku, Nagoya-shi, Aichi 460-0013 (JP).

(74) **ISHIDA, Yoshiki** et al. / etc.; No. 5 Ocean Building, 24-2, Aoi 3-chome, Higashi-ku, Nagoya-shi, Aichi 461-0004 (JP).

(81) CN JP SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19863** (13) A1

(21) PCT/GB98/02984

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 9721438.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G10G 7/02**

(54) ● METHOD OF ASSISTING IN TUNING OF A MUSICAL INSTRUMENT AND TUNING AID THEREFOR

● PROCEDE D'AIDE EN MATIERE D'ACCORDAGE D'UN INSTRUMENT DE MUSIQUE ET DISPOSITIF PREVU A CET EFFET

(71) **THE UNIVERSITY OF BIRMINGHAM** [GB/GB]; Edgbaston, Birmingham B15 2TT (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPENCE, Robin** [GB/GB]; 6 Ridware House, Hobs Road, Lichfield, Staffordshire WS13 6SY (GB). **BUNCE, Roger, Abraham** [GB/GB]; 8 Kings Gardens, Kings Norton, Birmingham B30 1DZ (GB). **THOMPSON, Christopher, Arie** [GB/GB]; 21 Alport Croft, Bordesley Village, Birmingham B9 4PJ (GB). **PALMER, David, Stewart** [GB/GB]; 54 Chapel Street, Measham, Swadlincote, Derby DE12 7JD (GB).

(74) **PEARCE, Anthony, Richmond** et al. / etc.; Marks & Clerk, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT (GB).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19864** (13) A2

(21) PCT/US98/08547

(22) **28 Apr/avr 1998 (28.04.1998)**

(25) en (26) en

(31) 60/062,120 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G10L**

(54) ● IMPROVED SYSTEM AND METHOD FOR PROCESSING OBJECT-BASED AUDIOVISUAL INFORMATION

● SYSTEME ET PROCEDE AMELIORES DE TRAITEMENT D'INFORMATIONS AUDIOVISUELLES ORIENTEES OBJET

- (71) **AT & T CORP.** [US/US]; 32 Avenue of the Americas, New York, NY 10013-2412 (US). **COLOMBIA UNIVERSITY** [US/US]; 2960 Broadway, New York, NY 10027 (US).
- (72) **BASSO, Andrea**; 1223 Shore Drive, North Long Branch, NJ 07740 (US). **PURI, Atul**; 3660 Waldo Avenue #1A, Riverdale, NY 10463 (US). **SCHMIDT, Robert, L.**; 333 Oak Glen Road, Howell, NJ 07731 (US). **ELEFThERiADiS, Alexandros**; Apartment 4L, 560 Riverside Drive, New York, NY 10027 (US). **KALVA, Hari**; Apartment 8E, 419 West 119th Street, New York, NY 10027 (US).
- (74) **OLIFF, James, A.** et al. / etc.; Oloff & Berridge, PLC, P.O. Box 19928, Alexandria, VA 22320 (US).
- (81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19865** (13) A1
- (21) PCT/GB98/03078
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 97308174.8 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G10L 5/06, G06K 9/62**
- (54) ● PATTERN RECOGNITION USING MULTIPLE REFERENCE MODELS
● RECONNAISSANCE DE FORMES AU MOYEN DE MODELES DE REFERENCE MULTIPLES
- (71) **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **PAWLEWSKI, Mark** [GB/GB]; 20 Ipswich Road, Holbrook, Ipswich, Suffolk IP9 2QY (GB). **ARIYAEENIA, Aladdin, Mohammad** [GB/GB]; 78 Beechwood Avenue, St. Albans, Hertfordshire (GB). **SIVAKUMARAN, Perasriyan** [LK/LK]; C3/5 Anderson Flats, Park Road, Colombo 5 (LK).
- (74) **SEMOS, Robert, Ernest, Vickers**; BT Group Legal Services, Intellectual Property Dept., 8th floor, Holborn Centre, 120 Holborn, London EC1N 2TE (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19866** (13) A1
- (21) PCT/US98/14611
- (22) **14 Jul/juil 1998 (14.07.1998)**
- (25) en (26) en
- (31) 60/061,724 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G11B 5/596**
- (54) ● EXTENDED POSITION ERROR SIGNAL LINEARIZATION AND NORMALIZATION

- LINEARISATION ET NORMALISATION ETENDUES DE SIGNAL D'ERREUR DE POSITION
- (71) **SEAGATE TECHNOLOGY, INC.** [US/US]; 920 Disc Drive, Scotts Valley, CA 95066 (US).
- (72) **ELLIOT, Mark, Lowell**; 15372 Sand Hill Circle, Eden Prairie, MN 55347 (US). **SACKS, Alexei, Hiram**; 4401 Park Glen Road #214, St. Louis Park, MN 55416 (US). **PHAN, Duc, Tien**; 19921 Buckhaven Lane, Saratoga, CA 95070 (US).
- (74) **MAGEE, Theodore, M.**; Westman, Champlin & Kelly, P.A., International Center, Suite 1600, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US) et al. / etc.
- (81) CN DE GB JP KR SG.

- (11) **WO 99/19867** (13) A1
- (21) PCT/JP98/04268
- (22) **22 Sep/sep 1998 (22.09.1998)**
- (25) en (26) en
- (31) 9/297803 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G11B 7/14**
- (54) ● MULTIBEAM OPTICAL DISK READOUT METHOD AND APPARATUS
● PROCEDE ET APPAREIL DE LECTURE MULTIFAISCEAU DE DISQUE OPTIQUE
- (71) **KABUSHIKI KAISHA KENWOOD** [JP/JP]; 14-6, Dougenzaka 1-chome, Shibuya-ku, Tokyo 150-0043 (JP). **ZEN RESEARCH, N.V.** [NL/NL]; Van Engelenweg 21A, P.O. Box 3335, Curacao (AN).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SASAKI, Toshihiro** [JP/JP]; II-203, 1-8-8, Honmachi, Musashimurayama-shi, Tokyo 208-0004 (JP). **DAUBE, Zvika** [IL/IL]; Hatotchanim Street 6b, 44537 Kfar Saba (IL). **FINKELSTEIN, Koby** [IL/IL]; Hameyasdim Street 10, 44219 Kfar Saba (IL).
- (74) **OKABE, Masao** et al. / etc.; No. 602 Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).
- (81) CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19868** (13) A1
- (21) PCT/JP98/04551
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 9/297804 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (31) 9/297806 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G11B 7/14, 7/09**
- (54) ● OPTICAL DISC READOUT METHOD AND APPARATUS WITH FOCUSING
● PROCEDE ET DISPOSITIF DE LECTURE SUR DISQUE OPTIQUE AVEC MISE AU POINT
- (71) **KABUSHIKI KAISHA KENWOOD** [JP/JP]; 14-6, Dougenzaka 1-chome, Shibuya-ku, Tokyo 150-0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)

- (72, 75) **GOTOU, Souzyu** [JP/JP]; Room 103, 573, Daimura-cyo, Midori-ku, Yokohama-shi, Kanagawa 226-0014 (JP). **KOIDE, Kiichiro** [JP/JP]; 2-2-19-105, Minami Nagasaki, Toshima-ku, Tokyo 171-0052 (JP). **ITOU, Seiichi** [JP/JP]; 2651-22-202, Takahagi, Hidaka-shi, Saitama 350-1213 (JP). **HARASAWA, Youichi** [JP/JP]; 3-69-11, Sagamigaoka, Zama-shi, Kanagawa 228-0001 (JP). **KITANO, Toshiaki** [JP/JP]; 712-5-404, Katakura-machi, Hachioji-shi, Tokyo 192-0914 (JP). **BABA, Tetsuya** [JP/JP]; 3-8-49, Somechi, Cyofu-shi, Tokyo 182-0023 (JP). **SASAKI, Toshihiro** [JP/JP]; II-203, 1-8-8, Honmachi, Musashimurayama-shi, Tokyo 208-0004 (JP).
- (74) **OKABE, Masao** et al. / etc.; No. 602 Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).
- (81) CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19869** (13) A1
- (21) PCT/JP98/04565
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 9/297805 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G11B 7/14**
- (54) ● METHOD AND APPARATUS OF MULTIBEAM OPTICAL DISC READOUT
● PROCEDE ET APPAREIL DE LECTURE D'UN DISQUE OPTIQUE MULTIFAISCEAUX
- (71) **KABUSHIKI KAISHA KENWOOD** [JP/JP]; 14-6, Dougenzaka 1-chome, Shibuya-ku, Tokyo 150-0043 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SASAKI, Toshihiro** [JP/JP]; II-203, 1-8-8, Honmachi, Musashimurayama-shi, Tokyo 208-0004 (JP).
- (74) **OKABE, Masao** et al. / etc.; 602 Fuji Building, 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).
- (81) CN KR SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19870** (13) A1
- (21) PCT/JP98/04636
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) en (26) en
- (31) 9/282140 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **G11B 20/12, 20/10, 27/30, 27/10**
- (54) ● INFORMATION STORING DISK, REPRODUCTION APPARATUS, AND REPRODUCTION METHOD
● DISQUE DE STOCKAGE D'INFORMATIONS, APPAREIL ET PROCEDE DE REPRODUCTION
- (71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) **MORI, Yoshihiro**; 15-14, Higashikorimotomachi, Hirakata-shi, Osaka 573-0076 (JP). **KOZUKA, Masayuki**; 19-1-1207, Ishizuminamimachi, Neyagawa-shi, Osaka 572-0024 (JP). **SHIMBO, Masatoshi**; 6-11-702, Senbanishi 2-chome, Mino-shi, Osaka 562-0036 (JP). **ABE, Tadashi**; 7E18-504, Yutoku, Otokoyama, Yawata-shi, Kyoto 614-8371 (JP).

(74) **YAMAMOTO, Shusaku**; Crystal Tower, 15th floor, 2-27, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-6015 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 9/282139 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11B 20/12**

(54) ● OPTICAL DISC

● DISQUE OPTIQUE

(71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) **SHINBO, Masatoshi**; Room 702, OTC Daiichi-heights, 6-11, Senbanishi 2-chome, Mino-shi, Osaka 562-0036 (JP). **SUZUKI, Ryoji**; 3-1-31-2, Hikitacyo, Nara-shi, Nara 631-0843 (JP). **MORI, Yoshihiro**; 15-14, Higashikorimotomachi, Hirakata-shi, Osaka 573-0076 (JP). **KAWAMURA, Akhisa**; 1-18-21-504, Higashinagaburi, Hirakata-shi, Osaka 573-0093 (JP).

(74) **HAYASE, Kenichi**; 8F, ANA Building, 17-1, Enokicho, Suita-shi, Osaka 564-0053 (JP).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19872** (13) A1

(21) PCT/US98/21170

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(31) 08/950,456 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11B 20/12, G06F 3/06**

(54) ● MULTIPLE PARTITION TAPE CARTRIDGE DETECTION MEANS

● DISPOSITIF DE DETECTION POUR CARTOUCHES DE BANDE A PLUSIEURS PARTITIONS

(71) **IOMEGA CORPORATION** [US/US]; 1821 West Iomega Way, Roy, UT 84067 (US).

(72) **BAR, Rafael**; 8792 Calle Tragar, San Diego, CA 92129 (US).

(74) **KURTZ, Richard, E.** et al. / etc.; Woodcock, Washburn, Kurtz, Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).

(81) CA JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19873** (13) A1

(21) PCT/US98/21851

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(31) 08/950,546 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11B 23/03**

(54) ● COMPUTER DISKETTE WITH INSERTABLE MULTI-PIECE MEDIA

● DISQUETTE INFORMATIQUE A SUPPORTS MULTIPIECES INSERABLES

(71) **B.E. TECHNOLOGY, LLC** [US/US]; 106 South Walnut Street, Bay City, MI 48706 (US).

(71, 72) **HOYLE, Martin, David** [US/US]; Apartment B, 90 Carriage Lane, Destrehan, LA 70047 (US).

(74) **McCULLOCH, John, K.**; Reising, Ethington, Learman & McCulloch, PLLC, 5291 Colony Drive North, Saginaw, MI 48603 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19874** (13) A1

(21) PCT/US98/21449

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,664 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11C 7/00, G06F 9/38**

(54) ● POWER CONTROL SYSTEM FOR SYNCHRONOUS MEMORY DEVICE

● SYSTEME DE COMMANDE DE PUISSANCE POUR DISPOSITIF A MEMOIRE SYNCHRONE

(71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).

(72) **TSERN, Ely, K.**; 684 Riviera Drive, Los Altos, CA 94024 (US). **BARTH, Richard, M.**; 787 Los Robles Avenue, Palo Alto, CA 94022 (US). **HAMPEL, Craig, E.**; 5927 Dunn Avenue, San Jose, CA 95123 (US). **STARK, Donald, C.**; 4546 B10 El Camino, No. 108, Los Altos, CA 94022 (US).

(74) **WILLIAMS, Gary, S.** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA 94111-4187 (US).

(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19875** (13) A2

(21) PCT/US98/21458

(22) **9 Sep/sep 1998 (09.09.1998)**

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(31) 60/061,682 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11C 7/00, G06F 13/16**

(54) ● APPARATUS AND METHOD FOR PIPELINED MEMORY OPERATIONS

● SYSTEME ET PROCEDE POUR EFFECTUER DES OPERATIONS PIPELINE EN MEMOIRE

(71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).

(72) **BARTH, Richard, M.**; 787 Los Robles Avenue, Palo Alto, CA 94022 (US). **TSERN, Ely, K.**; 684 Riviera Drive, Los Altos, CA 94024 (US). **HOROWITZ, Mark, A.**; 1309 San Mateo Drive, Menlo Park, CA 94025 (US). **STARK, Donald, C.**; 4546 B10 El Camino, No. 108, Los Altos, CA 94022 (US). **HAMPEL, Craig, E.**; 5927 Dunn Avenue, San Jose, CA 95123 (US). **WARE, Frederick, A.**; 13961 Fremont Pines Lanes, Los Altos Hills, CA 94022 (US). **DILLON, John, B.**; 177 Monroe Drive, Palo Alto, CA 94306 (US).

(74) **GALLIANI, William, S.** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).

(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19876** (13) A1

(21) PCT/US98/21491

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,769 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11C 7/00, G06F 13/42**

(54) ● APPARATUS AND METHOD FOR DEVICE TIMING COMPENSATION

● APPAREIL ET PROCEDE DE CORRECTION DE LA SYNCHRONISATION DE DISPOSITIFS

(71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).

(72) **WARE, Frederick, A.**; 13961 Fremont Pines Lanes, Los Altos Hills, CA 94022 (US). **BARTH, Richard, M.**; 787 Los Robles Avenue, Palo Alto, CA 94022 (US). **STARK, Donald, C.**; 4546 B10 El Camino #108, Los Altos, CA 94022 (US). **HAMPEL, Craig, E.**; 5927 Dunn Avenue, San Jose, CA 95123 (US). **TSERN, Ely, K.**; 684 Riviera Drive, Los Altos, CA 94024 (US). **ABHYANKAR, Abhijit, M.**; 1075 Valencia Avenue #8, Sunnyvale, CA 94086 (US).

(74) **GALLIANI, William, S.** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).

(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19877** (13) A1
(21) PCT/US98/21783
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(31) 60/062,063 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(31) 09/167,637 (32) **6 Oct/oct 1998 (06.10.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G11C 7/00, 11/412**
(54) ● PROGRAMMABLE LOGIC DEVICE MEMORY CELL CIRCUIT
● CIRCUIT DE CELLULES DE MEMOIRE DE DISPOSITIF LOGIQUE PROGRAMMABLE
(71) **ALTERA CORPORATION** [US/US]; 101 Innovation Drive, San Jose, CA 95134 (US).

- (72) **JEFFERSON, David, E.**; Altera Corporation, 101 Innovation Drive, San Jose, CA 95134 (US). **PEDERSEN, Bruce, B.**; Altera Corporation, 101 Innovation Drive, San Jose, CA 95134 (US).
(74) **JACKSON, Robert, R.** et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).
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- (11) **WO 99/19878** (13) A1
(21) PCT/US98/20955
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) en (26) en
(31) 60/061,859 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 09/154,056 (32) **16 Sep/sep 1998 (16.09.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G11C 11/22**
(54) ● A FERROELECTRIC DYNAMIC RANDOM ACCESS MEMORY
● MEMOIRE VIVE DYNAMIQUE FERROELECTRIQUE
(71) **YALE UNIVERSITY** [US/US]; 451 College Street, New Haven, CT 06520 (US).
(72) **MA, Tso-Ping**; 169 Northford Road, Branford, CT 06405 (US). **HAN, Jin-Ping**; Apartment 24, 463 Orange Street, New Haven, CT 06511 (US).
(74) **PRAHL, Eric, L.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).
(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19879** (13) A1
(21) PCT/US98/21367
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,767 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G11C 11/406**

- (54) ● DRAM CORE REFRESH WITH REDUCED SPIKE CURRENT
● RAFFRAICHISSEMENT DE TORE DE MEMOIRE RAM DYNAMIQUE A REDUCTION DE POINTE DE COURANT
(71) **RAMBUS INCORPORATED** [US/US]; 2465 Latham Street, Mountain View, CA 94040 (US).
(72) **TSERN, Ely, K.**; 684 Riviera Drive, Los Altos, CA 94024 (US). **BARTH, Richard, M.**; 787 Los Robles Avenue, Palo Alto, CA 94022 (US). **DAVIS, Paul, G.**; 2317 Rupert Drive, San Jose, CA 95124 (US). **HAMPEL, Craig, E.**; 5927 Dunn Avenue, San Jose, CA 95123 (US).
(74) **WILLIAMS, Gary, S.** et al. / etc.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).
(81) AU CA JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19880** (13) A1
(21) PCT/US98/21197
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(25) en (26) en
(31) 08/947,850 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G11C 16/04**

- (54) ● NONVOLATILE PMOS TWO TRANSISTOR MEMORY CELL AND ARRAY
● CELLULE ET RESEAU DE MEMOIRE NON VOLATILE A DEUX TRANSISTORS PMOS
(71) **PROGRAMMABLE MICROELECTRONICS CORPORATION** [US/US]; 1350 Ridder Park Drive, San Jose, CA 95131 (US).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **CHANG, Shang-De, Ted** [-/US]; 43570 Southernland Way, Fremont, CA 94539 (US). **KOWSHIK, Vikram** [US/US]; 2094 Limewood Drive, San Jose, CA 95132 (US). **YU, Andy, Teng-Feng** [US/US]; 691 Florales Drive, Palo Alto, CA 94306 (US). **RADJY, Nader** [IR/US]; 614 Greed Road, Palo Alto, CA 94304 (US).
(74) **CRISMAN, Douglas, J.** et al. / etc.; Flehr, Hohbach, Test, Albritton & Herbert LLP, Suite 3400, Four Embarcadero Center, San Francisco, CA 94111-4187 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19881** (13) A1
(21) PCT/US97/18552
(22) **15 Oct/oct 1997 (15.10.1997)**
(25) en (26) en
(31) 60/028,551 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **G21B 1/00**

- (54) ● LOW TEMPERATURE ELECTROLYTIC NUCLEAR TRANSMUTATION
● TRANSMUTATION NUCLEAIRE ELECTROLYTIQUE A BASSE TEMPERATURE
(71, 72) **PATTERSON, James, A.** [US/US]; 2074 Twentieth Street, Sarasota, FL 34234 (US).
(72, 75) **MILEY, George, H.** [-/US]; 914 West Armory Drive, Champaign, IL 61821 (US).
(74) **PRESCOTT, Charles, J.**; Charles J. Prescott, P.A., Suite 115, 2033 Wood Street, Sarasota, FL 34237 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

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- (11) **WO 99/19882** (13) A1
(21) PCT/US98/17205
(22) **19 Aug/août 1998 (19.08.1998)**
(25) en (26) en
(31) 08/948,930 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **G21K 1/12**

- (54) ● COMPUTED TOMOGRAPHY SCANNER DRIVE SYSTEM AND BEARING
● SYSTEME D'ENTRAINEMENT ET PALIER POUR TOMODENSITOMETRE ASSISTE PAR ORDINATEUR
(71) **ANALOGIC CORPORATION** [US/US]; 8 Centennial Drive, Centennial Industrial Park, Peabody, MA 01960 (US).
(72) **TYBINKOWSKI, Andrew, P.**; 39 Burning Bush Drive, Boxford, MA 01921 (US). **DUFFY, Michael, J.**; 187 Lowell Street, Methuen, MA 01844 (US). **McKENNA, Gilbert, W.**; 805 Winthrop Street, Revere, MA 02151 (US).
(74) **KUSMER, Toby, H.** et al. / etc.; Lappin & Kusmer LLP, 200 State Street, Boston, MA 02109 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19883** (13) A1
(21) PCT/US98/21661
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/062,047 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01B 1/12, C08G 73/02**

- (54) ● ELECTRONICALLY-CONDUCTIVE POLYMERS
● POLYMERES ELECTRONIQUEMENT CONDUCTEURS
- (71) **THE DOW CHEMICAL COMPANY** [US/US]; 2030 Dow Center, Midland, MI 48674 (US).
- (72) **BABINEC, Susan, J.**; 1110 West Park Drive, Midland, MI 48640 (US). **DRUMRIGHT, Ray, E.**; 785 East Olson Road, Midland, MI 48640 (US). **SEN, Ashish**; 210 Burning Bush Lane, Midland, MI 48642 (US).
- (74) **ZERULL, Susan, Moeller**; Patent Dept., P.O. Box 1967, Midland, MI 48641-1967 (US).
- (81) BR CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19884** (13) A1
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(22) **14 Oct/oct 1998 (14.10.1998)**
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(31) 08/951,392 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01B 3/22**
- (54) ● FOOD GRADE DIELECTRIC FLUID
● FLUIDE DIELECTRIQUE DE QUALITE ALIMENTAIRE
- (71) **ELECTRIC FLUIDS L.L.C.** [US/US]; 201 Bethpage Road, Plainview, NY 11803 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SAPIENZA, Richard** [US/US]; 1 Miller Avenue, Shoreham, NY 11786 (US). **SILVERSTEIN, Robert** [US/US]; 4 Park Place, Great Neck, NY 11024 (US).
- (74) **CLEMENT, Alan, B.**; Hedman, Gibson & Costigan, P.C., 1185 Avenue of the Americas, New York, NY 10036 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19885** (13) A1
(21) PCT/JP98/04580
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) ja (26) ja
(31) 9/280595 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01B 7/02, 3/30, 3/42, H01F 27/28**
- (54) ● MULTILAYER INSULATED WIRE AND TRANSFORMERS MADE BY USING THE SAME
● FIL ISOLE A PLUSIEURS COUCHES ET TRANSFORMATEURS FABRIQUES AVEC LEDIT FIL

- (71) **THE FURUKAWA ELECTRIC CO., LTD.** [JP/JP]; 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 (JP).
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- (72, 75) **HIGASHIURA, Atsushi** [JP/JP]; The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 (JP). **KOBAYASHI, Isamu** [JP/JP]; The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 (JP). **CHIDA, Naoyuki** [JP/JP]; The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 (JP).
- (74) **IIDA, Toshizo**; Ishii Building, 3rd floor, 1-10, Shimbashi 3-chome, Minato-ku, Tokyo 105-0004 (JP).
- (81) CN JP KR US; EP (DE FI GB).

- (11) **WO 99/19886** (13) A1
(21) PCT/US98/21903
(22) **16 Oct/oct 1998 (16.10.1998)**
(25) en (26) en
(31) 08/951,362 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01B 11/02, H01P 1/20**
- (54) ● ISOLATED AND FLOATING SHIELDED CABLE SYSTEM
● SYSTEME DE CABLE GAINÉ FLOTTANT ET ISOLE
- (71) **TARA LABS, INC.** [US/US]; 2245 Ashland Street, Ashland, OR 97520 (US).
- (72) **BOND, Matthew**; 2245 Ashland Street, Ashland, OR 97520 (US).
- (74) **BROWN, Marc, E.** et al. / etc.; Oppenheimer Wolff & Donnelly LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067 (US).
- (81) CN JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19887** (13) A1
(21) PCT/US98/21482
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) en (26) en
(31) 60/061,825 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 09/096,301 (32) **31 May/mai 1998 (31.05.1998)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01C 10/06**
- (54) ● SEGMENT ANALOG POINTING DEVICE
● DISPOSITIF POINTEUR ANALOGIQUE A SEGMENTS
- (71, 72) **DEVOLPI, Dean, R.** [US/US]; 629 Lariat Unit B, Incline Village, NV 89450 (US).
- (74) **QUINN, William, J.**; Suite 102, 5931 South Middlefield Road, Littleton, CO 80123 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19888** (13) A1
(21) PCT/EP98/05099
(22) **12 Aug/août 1998 (12.08.1998)**
(25) de (26) de
(31) 197 44 527.6 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01C 10/10, G01L 1/20**
- (54) ● ELECTRICAL CONDUCTOR WITH RESISTANCE DEPENDENT ON ELONGATION
● CONDUCTEUR ELECTRIQUE DONT LA RESISTANCE DEPEND DE L'ALLONGEMENT
- (71) **INNOCEPT MEDIZINTECHNIK GMBH** [DE/DE]; Am Wiesenbusch, D-45966 Gladbeck (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HILBURG, Andreas** [DE/DE]; Tersteegensstrasse 15, D-46045 Oberhausen (DE).
- (74) **FREISCHEM, Stephan**; An Gross St. Martin 2, D-50667 Köln (DE).
- (81) AU CA CZ HU JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19889** (13) A1
(21) PCT/DE98/02914
(22) **30 Sep/sep 1998 (30.09.1998)**
(25) de (26) de
(31) 197 45 390.2 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01F 37/00, 27/29**
- (54) ● RADIO INTERFERENCE SUPPRESSION CHOKE
● SELF ANTIPARASITE
- (71) **VACUUMSCHMELZE GMBH** [DE/DE]; Grüner Weg 37, D-63450 Hanau (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BRUNNER, Markus** [DE/DE]; Haidstrasse 16, D-63856 Bessenbach (DE).
- (74) **VACUUMSCHMELZE GMBH**; Epping, Wilhelm, Postfach 22 13 17, D-80503 München (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19890** (13) A1
(21) PCT/US98/21039
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) 60/061,884 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H01F 38/14**
- (54) ● MAGNETIC COUPLER AND ASSOCIATED METHOD FOR COUPLING CONDUCTORS
● COUPLEUR MAGNETIQUE ET PROCÉDE COORRESPONDANT POUR LE COUPLAGE DE CONDUCTEURS

(71) **DISPLAY EDGE TECHNOLOGY, LTD.** [US/US]; 701 Ridge Avenue, Troy, OH 45374-0001 (US).

(72) **KAYSER, Kenneth, W.**; 3N 995 Thorntree Road, St. Charles, IL 60174 (US). **FREDERICK, Richard, W.**; 744 Bonnie Brook, Mundelein, IL 60060 (US).

(74) **LEVY, Mark, P.** et al. / etc.; Thompson Hine & Flory LLP, 2000 Courthouse Plaza, N.E., P.O. Box 8801, Dayton, OH 45401-8801 (US).

(81) BR CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19891** (13) A1

(21) PCT/DE98/02872

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) de (26) de

(31) 197 44 457.1 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01H 3/26, 71/70**

(54) ● REMOTE-CONTROLLED MECHANISM WITH A MOTOR, FOR A CIRCUIT BREAKER

● TELECOMMANDE AVEC MOTEUR POUR DISPOSITIF DE COMMUTATION DE PUISSANCE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BECKER, Guntram** [DE/DE]; Burgsdorffstraße 33, D-01129 Dresden (DE). **WEINHOLD, Rolf** [DE/DE]; Prohliser Allee 32, D-01239 Dresden (DE). **TRINKS, Hagen** [DE/DE]; Bruno-Bürgel-Straße 3, D-01189 Dresden (DE).

(74) **SIEMENS AG**; Postfach 22 16 34, D-80506 München (DE).

(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19892** (13) A1

(21) PCT/US98/21396

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(25) en (26) en

(31) 08/948,856 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01H 9/02**

(54) ● CONTROL DEVICE FOR PROVIDING A VARIABLE CONTROL SIGNAL TO A FLUID-SUPPLYING MACHINE

● DISPOSITIF DE COMMANDE DESTINE A ENVOYER UN SIGNAL DE COMMANDE VARIABLE A UNE MACHINE DE DISTRIBUTION DE FLUIDES

(71) **INVASATEC, INC.** [US/US]; Suite 117, 10250 Valley View Road, Eden Prairie, MN 55344 (US).

(72) **DUCHON, Doug**; 9630 Foxford Road, Chanhassen, MN 55317 (US). **COPA, Vince**; 2350 Doswell Avenue, St. Paul, MN 55108 (US).

(74) **INSKEEP, James, W.**; Oppenheimer Wolff & Donnelly, LLP, Suite 3800, 2029 Century Park East, Los Angeles, CA 90067-3024 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19893** (13) A1

(21) PCT/JP98/04558

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(31) 9/293278 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01H 13/70, 11/00**

(54) ● HIGH STRENGTH TOUCH PANEL AND METHOD OF MANUFACTURING THE SAME

● ECRAN TACTILE HAUTE RESISTANCE ET PROCEDE DE FABRICATION

(71) **NISSHA PRINTING CO., LTD.** [JP/JP]; 3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 604-8551 (JP).
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(72, 75) **HASHIMOTO, Takao** [JP/JP]; Nissha Printing Co., Ltd., 3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 604-8551 (JP). **KUSUDA, Yasuji** [JP/JP]; Nissha Printing Co., Ltd., 3, Mibu Hanai-cho, Nakagyo-ku, Kyoto-shi, Kyoto 604-8551 (JP).

(74) **AOYAMA, Tamotsu** et al. / etc.; Aoyama & Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001 (JP).

(81) KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19894** (13) A1

(21) PCT/US98/21993

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,360 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01H 21/26**

(54) ● FOOT SWITCHES

● COMMUTATEURS A PEDALE

(71, 72) **BRAATEN, Ronald, J.** [US/US]; Braaten Hill Road, Woodstock, CT 06281 (US).

(74) **MONTGOMERY, Robert, H.**; 36 Sportsman's Hill Road, Madison, CO 06281 (US).

(81) AU BR CA CN CZ ES HU ID IL JP KR MX NO NZ PL PT SG UA VN YU; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19895** (13) A1

(21) PCT/EP98/05972

(22) **17 Sep/sep 1998 (17.09.1998)**

(25) de (26) de

(31) 197 44 765.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01H 85/46, 85/044**

(54) ● CIRCUIT ARRANGEMENT AND PROCESS FOR OPERATING A SAFETY FUSE

● CIRCUIT ET PROCEDE DE FONCTIONNEMENT D'UN FUSIBLE

(71) **DAIMLER-BENZ AKTIENGESELLSCHAFT** [DE/DE]; Epplestrasse 225, D-70567 Stuttgart (DE).

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(72, 75) **MÄCKEL, Rainer** [DE/DE]; Ittenbacher Strasse 18, D-53639 Königswinter (DE). **SCHULZ, Thomas** [DE/DE]; Im Vornasset, D-72669 Unterensingen (DE). **BLESSING, Alf** [DE/DE]; Frühlingstrasse 41, D-73092 Heiningen (DE).

(74) **MAUTE, Hans-Jürgen**; Daimler-Benz Aktiengesellschaft, Intellectual Property Management, Gebäude 17, Sedanstrasse 10, D-89077 Ulm (DE).

(81) BR JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19896** (13) A1

(21) PCT/FR98/02197

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/12826 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01J 3/02, 9/02**

(54) ● ELECTRON SOURCE WITH MICROTIPS, WITH FOCUSING GRID AND HIGH MICRO-TIP DENSITY, AND FLAT SCREEN USING SAME

● SOURCE D'ELECTRONS A MICROPONTES, A GRILLE DE FOCALISATION ET A DENSITE ELEVEE DE MICROPONTES, ET ECRAN PLAT UTILISANT UNE TELLE SOURCE

(71) **COMMISSARIAT A L'ENERGIE ATOMIQUE** [FR/FR]; 31-33, rue de la Fédération, F-75015 Paris (FR).

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(72, 75) **PERRIN, Aimé** [FR/FR]; 108, chemin du Crêt de Chaume, F-38330 Saint Ismier (FR). **MONTMAYEUL, Brigitte** [FR/FR]; Cidex 19 A, F-38190 Bernin (FR). **MEYER, Robert** [FR/FR]; 306, chemin de la Limite, F-38330 Saint Nazaire les Eymes (FR).

(74) **BREVATOME**; 25, rue de Ponthieu, F-75008 Paris (FR).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19897** (13) A1

(21) PCT/IB98/01389

(22) **8 Sep/sep 1998 (08.09.1998)**

(25) en (26) en

(31) 97203145.4 (32) **9 Oct/oct 1997 (09.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01J 9/395, 61/20**

(54) ● LOW-PRESSURE DISCHARGE LAMP

● LAMPE A DECHARGE A BASSE PRESSION

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
- (72) **SMULDERS, Marcellus, Henricus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) **EVERS, Johannes, H., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
- (81) CN JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19898** (13) A2

(21) PCT/EP98/06492

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 97402395.4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) EP

(31) 98400888.8 (32) **10 Apr/avr 1998 (10.04.1998)** (33) EP

(31) 98401199.9 (32) **19 May/mai 1998 (19.05.1998)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01J 37/32**

- (54) ● METHOD AND APPARATUS TO PRODUCE LARGE INDUCTIVE PLASMA FOR PLASMA PROCESSING
● PROCEDE ET DISPOSITIF DE PRODUCTION DE PLASMA INDUCTIF A GRANDE ECHELLE POUR TRAITEMENT AU PLASMA

(71) **EUROPEAN COMMUNITY (EC)** [-/LU]; Rue Alcide de Gaspéri, L-2920 Luxembourg (LU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **COLPO, Pascal** [FR/FR]; 3, allée de l'Arcalod, F-74000 Annecy (FR). **ROSSI, François** [FR/IT]; Via Mazzini, 36/C, I-21024 Biandronno (IT). **DA-VIET, Jean-François** [FR/FR]; 7, avenue de la République, F-74960 Cran Gevrier (FR). **ERNST, Roland** [FR/FR]; 8, rue Pasteur, F-38610 Gières (FR).

(74) **JOLY, Jean-Jacques** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F-75340 Paris Cedex 07 (FR).

(81) CA JP US.

(11) **WO 99/19899** (13) A1

(21) PCT/US98/21693

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 60/062,117 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01J 49/10**

- (54) ● CURVED INTRODUCTION FOR MASS SPECTROMETRY
● DISPOSITIF D'INTRODUCTION COURBE POUR SPECTROMETRIE DE MASSE

(71) **ANALYTICA OF BRANFORD, INC.** [US/US]; 29 Business Park Drive, Branford, CT 06405 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ANDRIEN, Bruce, A., Jr.** [US/US]; Analytica of Branford, Inc., 29 Business Park Drive, Branford, CT 06405 (US). **SANSONE, Michael, A.** [US/US]; Analytica of Branford, Inc., 29 Business Park Drive, Branford, CT 06405 (US).

BURT, Allan, G. [US/US]; Analytica of Branford, Inc., 29 Business Park Drive, Branford, CT 06405 (US). **WHITEHOUSE, Craig, M.** [US/US]; Analytica of Branford, Inc., 29 Business Park Drive, Branford, CT 06405 (US).

(74) **COHEN, Morris, E.** et al. / etc.; Levisohn, Lerner, Berger & Langsam, Suite 2400, 757 Third Avenue, New York, NY 10017 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19900** (13) A2

(21) PCT/GB98/03087

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 9721808.5 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB

(31) 9721809.3 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 21/00**

- (54) ● METHOD OF FORMING AN ELECTRONIC DEVICE
● PROCEDE DE FORMATION D'UN DISPOSITIF ELECTRONIQUE

(71) **PATTERNING TECHNOLOGIES LIMITED** [GB/GB]; Unit 7, The Maltings, Green Drift, Royston SG8 5DY (GB). **THIN FILM TECHNOLOGY (CONSULTANCY) LIMITED** [GB/GB]; 7 Chapel Drive, Little Waltham, Chelmsford CM3 3LW (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SPEAKMAN, Stuart** [GB/GB]; 7 Chapel Drive, Little Waltham, Chelmsford CM3 3LW (GB).

(74) **COZENS, Paul, Dennis** et al. / etc.; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19901** (13) A1

(21) PCT/US98/21415

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,027 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/168,536 (32) **8 Oct/oct 1998 (08.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 21/00**

(54) ● METHOD AND APPARATUS FOR DISPENSING MATERIALS IN A VACUUM

- PROCEDE ET APPAREIL POUR DISTRIBUER DES SUBSTANCES DANS UNE ECHEINTE A VIDE

(71) **SPEEDLINE TECHNOLOGIES, INC.** [US/US]; 16 Forge Park, Franklin, MA 02038 (US).

(72) **FUGERE, Jeffrey, P.**; 10 Brian Street, Sandown, NH 03873 (US). **NOWAK, Thomas, Jr.**; 471 High Street #2, Hampton, NH 03842 (US). **BEALS, Francis, M.**; 3 Meaders Lane, Salisbury, MA 01952 (US).

(74) **SULLIVAN, Thomas, M.**; Mintz, Levin, Cohn, Ferris, Glovsky & Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

(81) CA ID JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19902** (13) A1

(21) PCT/IB98/01409

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(31) 97203206.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 21/205, 29/161**

- (54) ● METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE BY LOW TEMPERATURE CVD
● PROCEDE DE FABRICATION D'UN DISPOSITIF A SEMI-CONDUCTEUR PAR DEPOT CHIMIQUE EN PHASE VAPEUR A BASSE TEMPERATURE

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **WOERLEE, Pierre, Hermanus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **JUFFERMANS, Casparus, Anthonius, Henricus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **MON-TREE, Andreas, Hubertus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) **HOUBIERS, Ernest, E., M., G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(31) 08/948,275 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 21/311**

- (54) ● OXIDE ETCH PROCESS USING A MIXTURE OF A FLUORINE-SUBSTITUTED HYDRO-CARBON AND ACETYLENE THAT PROVIDES HIGH SELECTIVITY TO NITRIDE

- PROCEDE DE GRAVURE D'OXYDE UTILISANT UN MELANGE D'UN HYDROCARBURE FLUOROSUBSTITUE ET D'UN ACETYLENE ET PRESENTANT UNE HAUTE SELECTIVITE A L'AZOTURE
- (71) **APPLIED MATERIALS, INC.** [US/US]; 3050 Bowers Avenue, Santa Clara, CA 95054 (US).
- (72) **ARLEO, Paul**; 1154C Eddy Street, San Francisco, CA 94102 (US).
- (74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
- (81) JP.
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- (11) **WO 99/19904** (13) A1
- (21) PCT/US98/22040
- (22) **16 Oct/oct 1998 (16.10.1998)**
- (25) en (26) en
- (31) 08/951,592 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 21/314, 21/768**
- (54) ● BORDERLESS VIAS WITH HSQ GAP FILLED PATTERNED METAL LAYERS
- TROUS D'INTERCONNEXION SANS BORD AVEC COUCHES METALLIQUES TEXTUREES DONT LES ESPACES LIBRES SONT REMPLIS DE HSQ
- (71) **ADVANCED MICRO DEVICES, INC.** [US/US]; One AMD Place, Mail Stop 68, P.O. Box 3453, Sunnyvale, CA 94088-3453 (US).
- (72) **CHEN, Robert, C.**; 51 Chester Circle, Los Altos, CA 94022 (US). **SHIELDS, Jeffrey, A.**; 445 Kenmore Avenue, Sunnyvale, CA 94086 (US). **DAWSON, Robert**; 3504 Beartree Circle, Austin, TX 78730 (US). **TRAN, Khanh**; 1744 River Birch Drive, San Jose, CA 95131 (US).
- (74) **ZAHRT, William, D., II**; One AMD Place, Mail Stop 68, P.O. Box 3453, Sunnyvale, CA 94088-3453 (US).
- (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19905** (13) A1
- (21) PCT/JP98/04581
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) ja (26) ja
- (31) 9/278316 (32) **13 Oct/oct 1997 (13.10.1997)** (33) JP
- (31) 9/297430 (32) **29 Oct/oct 1997 (29.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 21/82, 21/822, 27/04, 21/8242, 27/108**
- (54) ● SEMICONDUCTOR DEVICE HAVING FUSE AND FABRICATION METHOD THEREOF
- DISPOSITIF SEMI-CONDUCTEUR POURVU D'UN FUSIBLE ET SON PROCEDE DE FABRICATION
- (71) **FUJITSU LIMITED** [JP/JP]; 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP).
- (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **SUZUKI, Seiichi** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **ADACHI, Kazuhiro** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **KATAYAMA, Masaya** [JP/JP]; Fujitsu VLSI Limited, 1844-2, Kozoji-cho 2-chome, Kasugai-shi, Aichi 487-0013 (JP). **SUZUKI, Noriyuki** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **HIDE-SHIMA, Osamu** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **KAWABATA, Kenichi** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **OHTSUKI, Masaya** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **HAYASHI, Manabu** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP). **YAYANAGI, Junichi** [JP/JP]; Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP).
- (74) **ITOH, Tadahiko**; 32nd floor, Yebisu Garden Place Tower, 20-3, Ebisu 4-chome, Shibuya-ku, Tokyo 150-6032 (JP).
- (81) JP KR US.
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- (11) **WO 99/19906** (13) A2
- (21) PCT/US98/21295
- (22) **8 Oct/oct 1998 (08.10.1998)**
- (25) en (26) en
- (31) 08/948,110 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 23/053**
- (54) ● METHOD AND APPARATUS FOR PACKAGING HIGH TEMPERATURE SOLID STATE ELECTRONIC DEVICES
- PROCEDE ET APPAREIL POUR L'ENCAPSULATION DE DISPOSITIFS ELECTRONIQUES A SEMICONDUCTEUR
- (71) **ASTRALUX, INCORPORATED** [US/US]; 2500 Central Avenue, Boulder, CO 80301 (US).
- (72) **PANKOVE, Jacques, Isaac**; 2386 Vassar Drive, Boulder, CO 80303 (US).
- (74) **HANCOCK, Earl, C.** et al. / etc.; Holland & Hart LLP, Suite 3200, 555 17th Street, P.O. Box 8749, Denver, CO 80201-8749 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19907** (13) A1
- (21) PCT/US98/19899
- (22) **2 Oct/oct 1998 (02.10.1998)**
- (25) en (26) en
- (31) 08/949,585 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 23/31, 23/433**
- (54) ● METHOD AND CONSTRUCTION FOR THERMALLY ENHANCING A MICROELECTRONIC PACKAGE
- PROCEDE ET CONSTRUCTION RENFORCANT THERMIQUEMENT UNE ENCEINTE MICRO-ELECTRONIQUE
- (71) **AMKOR TECHNOLOGY, INC.** [US/US]; 1900 South Price Road, Chandler, AZ 85248-1604 (US).
- (72) **HOFFMAN, Paul**; 1961 West Hemlock Way, Chandler, AZ 85248 (US).
- (74) **HODGSON, Serge, J.** et al. / etc.; Skjervén, Morrill, MacPherson, Franklin & Friel LLP, Suite 700, 25 Metro Drive, San Jose, CA 95110 (US).
- (81) CA JP KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19908** (13) A1
- (21) PCT/JP98/04568
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) ja (26) ja
- (31) 9/280134 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 23/36**
- (54) ● THERMAL CONDUCTIVE UNIT AND THERMAL CONNECTION STRUCTURE USING SAME
- UNITE DE CONDUCTION THERMIQUE ET STRUCTURE DE CONNEXION THERMIQUE UTILISANT CETTE UNITE
- (71) **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).
- (for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **FUJIWARA, Norio** [JP/JP]; 2-13, Hoshigaoka 1-chome, Hirakata-shi, Osaka 573-0013 (JP). **AKIBA, Yasuhiro** [JP/JP]; 14-36, Myokenzaka 7-chome, Katano-shi, Osaka 576-0021 (JP). **WATANABE, Tetsuyuki** [JP/JP]; Room 704 Verza Kitaosaka, 9-22, Higashimikuni 3-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0002 (JP). **NISHIKI, Naomi** [JP/JP]; 20-44, Daigomina-mihayamacho, Fushimi-ku, Kyoto-shi, Kyoto 601-1331 (JP).
- (74) **OGASAWARA, Shiro**; Daisan-Longev' Building, 3-11, Enokicho, Suita-shi, Osaka 564-0053 (JP).
- (81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19909** (13) A1
- (21) PCT/US98/17909
- (22) **28 Aug/aôit 1998 (28.08.1998)**
- (25) en (26) en
- (31) 08/950,358 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01L 23/427**
- (54) ● THERMALLY CONDUCTIVE POLYTETRAFLUOROETHYLENE ARTICLE
- ARTICLE THERMOCONDUCTEUR DE POLYTETRAFLUOROETHYLENE
- (71) **GORE ENTERPRISE HOLDINGS, INC.** [US/US]; 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714 (US).
- (72) **HANRAHAN, James, R.**; 6 Mackenzie Drive, Newark, DE 19711 (US).
- (74) **CAMPBELL, John, S.** et al. / etc.; W.L. Gore & Associates, Inc., 551 Paper Mill Road, P.O. Box 9206, Newark, DE 19714-9206 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19910** (13) A1

(21) PCT/US98/21588

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/950,319 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 23/532, 21/768, 21/316**

(54) ● POROUS SILICON OXYCARBIDE INTEGRATED CIRCUIT INSULATOR
● ISOLANT POUR CIRCUIT INTEGRE, A BASE D'OXYCARBURE DE SILICIUM PO-REUX

(71) **MICRON TECHNOLOGY, INC.** [US/US]; 8000 South Federal Way, Boise, ID 83716-9632 (US).

(72) **AHN, Kie, Y.**; 639 Quaker Street, Chappaqua, NY 10514 (US). **FORBES, Leonard**; 965 N.W. Highland Terrace, Corvallis, OR 97330 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19911** (13) A1

(21) PCT/CA98/00943

(22) **1 Oct/oct 1998 (01.10.1998)**

(25) en (26) en

(31) 2,218,307 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CA

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 25/065**

(54) ● THREE-DIMENSIONAL PACKAGING CONFIGURATION FOR MULTI-CHIP MODULE ASSEMBLY
● CONFIGURATION TRIDIMENSIONNELLE DE MISE SOUS BOITIER POUR ENSEMBLE DE MODULE MULTIPUCE

(71) **GENNUM CORPORATION** [CA/CA]; 970 Fraser Drive, Burlington, Ontario L7L 5P5 (CA). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **HAWKE, Robert, E.** [CA/CA]; 2398 Malcolm Crescent, Burlington, Ontario L7P 3Y4 (CA). **PA-TEL, Atin, J.** [CA/CA]; 1530 Stillriver Crescent, Mississauga, Ontario L5M 3V4 (CA). **BINAPAL, Sukhminder, S.** [CA/CA]; 3392 Bristol Drive, Burlington, Ontario L7M 1Z1 (CA). **DIVITA, Charles** [CA/CA]; 3202 Wentworth Street, Burlington, Ontario L7M 2N4 (CA). **McNEIL, Lynn** [CA/CA]; 13 Chatsworth Crescent, Waterdown, Ontario L0R 2H5 (CA). **FLETCHER, Thomas, G.** [CA/CA]; 94 Victoria Street, Waterdown, Ontario L0R 2H0 (CA).

(74) **BERESKIN & PARR**; 40th floor, 40 King Street West, Toronto, Ontario M5H 3Y2 (CA).

(81) AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19912** (13) A1

(21) PCT/US98/21812

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/062,434 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 29/06**

(54) ● DUAL-BAND QUANTUM-WELL INFRA-RED SENSING ARRAY
● RESEAU DE DETECTION DU RAYON- NEMENT INFRAROUGE A PUITS QUAN- TITQUES A DOUBLE BANDE

(71) **CALIFORNIA INSTITUTE OF TECHNOLOGY** [US/US]; 1200 East California Boulevard, Pasadena, CA 91125 (US).

(72) **BANDARA, Sumith, V.**; 23964 Avenue Crescenta, Valencia, CA 91355 (US). **GUNAPALA, Sarath, D.**; 23536 Via Bara, Valencia, CA 91355 (US). **LIU, John, K.**; 2400 Dudley Street, Pasadena, CA 91104 (US).

(74) **HARRIS, Scott, C.**; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19913** (13) A1

(21) PCT/US98/21429

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,217 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 29/788, 29/792**

(54) ● MEMORY DEVICE HAVING A CRESTED TUNNEL BARRIER
● MEMOIRE AYANT UNE LIMITE TUNNEL DE CRETE

(71) **THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK** [US/US]; Office of Technology Licensing, SUNY at Stony Brook, W5530 Melville Library, Stony Brook, NY 11794-3368 (US).

(72) **LIKHAREV, Konstantin, K.**; 12 Kennedy Road, Port Jefferson Station, NY 11776 (US).

(74) **TANG, Henry et al.** / etc.; Baker & Botts, LLP, 30 Rockefeller Plaza, New York, NY 10112-0228 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19914** (13) A1

(21) PCT/EP98/06486

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) de (26) de

(31) 197 45 418.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(31) 198 22 390.0 (32) **19 May/mai 1998 (19.05.1998)** (33) DE

(31) 198 34 016.8 (32) **28 Jul/juil 1998 (28.07.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 31/048, 31/055, 31/042, F24J 2/04**

(54) ● SOLAR MODULE WITH A FUNCTIONALLY INTEGRATED REAR SIDE
● MODULE SOLAIRE A FONCTIONS INTE- GREES SUR LA FACE ENVERS

(71) **RÖHM GMBH** [DE/DE]; Kirschenallee, D-64293 Darmstadt (DE). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **BENZ, Volker** [DE/DE]; Am Dachsrain 13, D-64739 Höchst/Odw. (DE). **BLUMENSCHNEIDER, Michael** [DE/DE]; Henri-Dunant-Strasse 19, D-64625 Bensheim (DE). **KRALL, Markus** [DE/DE]; St. Martin-Strasse 26, D-63939 Würth/Main (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19915** (13) A1

(21) PCT/JP98/04540

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) ja (26) ja

(31) 9/314180 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 31/12, 23/28**

(54) ● PACKAGED ELECTRONIC PART HAVING MOUNTING LEG
● COMPOSANT ELECTRONIQUE ENCAP- SULE PRESENTANT UN ELEMENT DE MONTAGE

(71) **ROHM CO., LTD.** [JP/JP]; 21, Saiin Mizo- saki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-0045 (JP). *(for all designated States except / pour tous les États désignés sauf US)*

(72, 75) **SANO, Masashi** [JP/JP]; Rohm Co., Ltd., 21, Sain Mizosaki-cho, Ukyo-ku, kyoto-shi, Kioto 615-0045 (JP).

(74) **YAMADA, Yoshito**; The Tanabe Building, 6-6, Fushimimachi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-0044 (JP).

(81) US; EP (DE FR GB IT NL).

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(11) **WO 99/19916** (13) A1

(21) PCT/JP98/04643

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 9/281851 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(31) 10/187749 (32) **2 Jul/juil 1998 (02.07.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01L 41/107, 41/053**

(54) ● **PIEZOELECTRIC TRANSFORMER ELEMENT AND METHOD OF MOUNTING IT IN A HOUSING**

● **ELEMENT DE TRANSFORMATEUR PIEZOELECTRIQUE ET PROCEDE DE MONTAGE DANS UN BOITIER**

(71) **TAIHEIYO CEMENT CORPORATION** [JP/JP]; 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP).

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(72, 75) **KATAOKA, Masako** [JP/JP]; Taiheiyō Cement Corporation, 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP). **FUJIMURA, Takeshi** [JP/JP]; Taiheiyō Cement Corporation, 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP). **ISHIKAWA, Katsuyuki** [JP/JP]; Taiheiyō Cement Corporation, 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP). **YAMAKAWA, Takahiro** [JP/JP]; Taiheiyō Cement Corporation, 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP). **TSUKAMOTO, Keizo** [JP/JP]; Taiheiyō Cement Corporation, 8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo 101-0065 (JP).

(74) **OHTSUKA, Yasunori**; Suite 507, Kioicho TBR Building, 7, Kojimachi 5-chome, Chiyoda-ku, Tokyo 102-0083 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19917** (13) A2

(21) PCT/EP98/06394

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 197 44 660.4 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M**

(54) ● **COMPOSITE SUITABLE FOR USE IN ELECTROCHEMICAL CELLS**

● **COMPOSITE ADAPTE A L'UTILISATION DANS DES CELLULES ELECTROCHIMIQUES**

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE). **GS JAPAN STORAGE** [JP/JP]; Battery Co., Ltd., 1 Inobaba-cho Nishinosho Kisshoin, Minami-ku, Kyoto 601 (JP). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUER, Stephan** [DE/DE]; Hauptstrasse 65a, D-67126 Hochdorf-Assenheim (DE). **BRONSTERT, Bernd** [DE/DE]; Zanderstrasse 35, D-67166 Otterstadt (DE). **MÖHWALD, Helmut** [DE/DE]; Markwardstrasse 16, D-76855 Annweiler (DE). **STEPHAN, Oskar** [DE/DE]; Kolpingstrasse 1, D-68766 Hockenheim (DE). **TUKAMOTO, Hisashi** [JP/JP]; 1, Inobaba-cho, Nishinosho, Kisshoin, Minami-ku (JP).

(74) **ISENBRUCK, Günter**; Bardehle et al, Theodor-Heuss-Anlage 12, D-68165 Mannheim (DE).

(81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19918** (13) A1

(21) PCT/US98/21620

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,356 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 2/02, 6/44, 10/02**

(54) ● **PRISMATIC ELECTROCHEMICAL CELL AND MULTICELL BATTERY**

● **CELLULE ELECTROCHIMIQUE PRISMATIQUE ET BATTERIE MULTICELLULAIRE**

(71) **EVEREADY BATTERY COMPANY, INC.** [US/US]; 25225 Detroit Road, Westlake, OH 44145 (US).

(72) **URRY, Lewis, F.**; 36263 Butternut Ridge, Elyria, OH 44035 (US).

(74) **FRASER, Stewart, Allan**; Eveready Battery Company, Inc., 25225 Detroit Road, P.O. Box 450777, Westlake, OH 44145 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/948,513 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 2/08, 2/12**

(54) ● **LOW PRESSURE BATTERY VENT**

● **ORIFICE BASSE PRESSION POUR BATTERIE**

(71) **ULTRALIFE BATTERIES, INC.** [US/US]; 1350 Route 88 South, Newark, NY 14513 (US).

(72) **LEWIN, Stanley**; 45 Meadow Lane, New Rochelle, NY 10805 (US). **CHOLACH, Mark**; 831 Butternut Circle, Webster, NY 14580 (US).

(74) **NISSENBAUM, Israel**; Graham & James LLP, 885 Third Avenue, New York, NY 10022 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19920** (13) A1

(21) PCT/US98/21481

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 08/948,512 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 2/14, 4/62**

(54) ● **LITHIUM ION POLYMER CELL SEPARATOR**
● **SEPARATEUR DE CELLULES POLYMERES A IONS LITHIUM**

(71) **ULTRALIFE BATTERIES, INC.** [US/US]; 1350 Route 88 South, Newark, NY 14513 (US).

(72) **BARELLA, Joseph**; 175 Mountain Road, Irvington, NY 10533 (US). **MANNA, Joseph, E.**; 1812 East River Road, Waterloo, NY 13165 (US).

(74) **NISSENBAUM, Israel**; Graham & James LLP, 885 Third Avenue, New York, NY 10022 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19921** (13) A1

(21) PCT/EP98/05854

(22) **15 Sep/sep 1998 (15.09.1998)**

(25) de (26) de

(31) 197 44 657.4 (32) **9 Oct/oct 1997 (09.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 2/16, 6/18, C08K 11/00**

(54) ● **MIXTURES WITH Li-CONTAINING SOLIDS SUITABLE AS SOLID ELECTROLYTES OR SEPARATORS FOR ELECTROCHEMICAL CELLS**

● **MELANGES CONTENANT DES MATIERES SOLIDES RENFERMANT DU Li, APPROPRIES EN TANT QU'ELECTROLYTES SOLIDES OU SEPARATEURS POUR DES CELLULES ELECTROCHIMIQUES**

(71) **BASF AKTIENGESELLSCHAFT** [DE/DE]; D-67056 Ludwigshafen (DE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BAUER, Stephan** [DE/DE]; Hauptstrasse 65a, D-67126 Hochdorf-Assenheim (DE). **BRONSTERT, Bernd** [DE/DE]; Zanderstrasse 35, D-67166 Otterstadt (DE). **MÖHWALD, Helmut**

[DE/DE]; Markwardstrasse 16, D-76855 Annweiler (DE). **STERZEL, Hans-Josef** [DE/DE]; Wasgauring 3, D-67125 Dannstadt-Schauernheim (DE).

- (74) **ISENBRUCK, Günter**; Bardehle et al, Theodor-Heuss-Anlage 12, D-68165 Mannheim (DE).
- (81) AL AU BG BR BY CA CN CZ GE HU ID IL JP KR KZ LT LV MX NO NZ PL RO RU SG SI SK TR UA US; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19922** (13) A1
- (21) PCT/EP98/06500
- (22) **14 Oct/oct 1998 (14.10.1998)**
- (25) fr (26) fr
- (31) 90149 (32) **15 Oct/oct 1997 (15.10.1997)** (33) LU
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 2/16, B32B 17/10**
- (54) ● GLASS FIBRE- REINFORCED ABSORBING SEPARATOR
● SEPARATEUR ABSORBANT RENFORCE EN FIBRES DE VERRE
- (71) **AMER-SIL S.A.** [LU/LU]; Zone Industrielle, L-8287 Kehlen (LU).
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- (72, 75) **DE M. FERREIRA, Antonio, L.** [PT/LU]; 460, route de Longwy, L-1940 Luxembourg (LU).
- (74) **KIHN, Pierre** et al. / etc.; Office de Brevets Ernest T. Freylinger S.A., 234, route d'Arion, Boîte postale 48, L-8001 Strassen (LU).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19923** (13) A1
- (21) PCT/DE98/01472
- (22) **28 May/mai 1998 (28.05.1998)**
- (25) de (26) de
- (31) 197 44 863.1 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 2/38, 10/42, 10/04**
- (54) ● LIQUID ELECTROLYTE BATTERY WITH ELECTROLYTE CIRCULATION
● BATTERIE A ELECTROLYTE LIQUIDE EN CIRCULATION
- (71) **IQ BATTERY RESEARCH & DEVELOPMENT GMBH** [DE/DE]; Heinrich-Heine-Strasse 5, D-09557 Flöha (DE).
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- (72, 75) **TSCHIRCH, Steffen** [DE/DE]; Lessing Strasse 7, D-09405 Zschopau (DE).
- (74) **SCHWEIZER, Joachim**; Dieselstrasse 1, D-80993 München (DE).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US VZ VN; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/19924** (13) A1
- (21) PCT/US98/03063
- (22) **19 Feb/fév 1998 (19.02.1998)**
- (25) en (26) en
- (31) 08/948,573 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 4/02, 10/40**
- (54) ● BATTERIES WITH POROUS COMPONENTS
● BATTERIES A COMPOSANTS POREUX
- (71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) **LOCH, Robert, B.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **LARSON, James, M.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **FREDERICKSEN, Brian, D.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (74) **PASTIRIK, Daniel, R.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/19925** (13) A1
- (21) PCT/US98/02683
- (22) **4 Feb/fév 1998 (04.02.1998)**
- (25) en (26) en
- (31) 08/949,677 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 4/58, C01B 31/00**
- (54) ● HYDROCARBON TREATMENT OF CARBO- NACEOUS MATERIALS
● TRAITEMENT AUX HYDROCARBURES DE MATERIAUX CARBONES
- (71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) **DAHAN, Jeffery, R.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **BUHEL, Edward, R., P.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (74) **PASTIRIK, Daniel, R.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/19926** (13) A1
- (21) PCT/US98/21509
- (22) **13 Oct/oct 1998 (13.10.1998)**
- (25) en (26) en
- (31) 60/061,816 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 6/10, 10/04**
- (54) ● APPARATUS AND METHOD FOR WINDING ELECTROCHEMICAL CELL CORES
● DISPOSITIF ET PROCEDE PERMETTANT D'ENROULER DES COEURS DE CELLULES ELECTROCHIMIQUES
- (71) **EVEREADY BATTERY COMPANY, INC.** [US/US]; 25225 Detroit Road, P.O. Box 450777, Westlake, OH 44145 (US).
- (72) **JACOBS, Alexander, III**; 22331 N.W. 94th Avenue, Alashua, FL 32615-5915 (US). **BACCI, Giancarlo**; Via Moglio, 13/8, I-40037 Sasso Marconi (IT). **BETTINI, Bruno**; Via dell'Orologio, 27, I-40037 Sasso Marconi (IT).
- (74) **WELSH, Robert, W.** et al. / etc.; Eveready Battery Company, Inc., 25225 Detroit Road, P.O. Box 450777, Westlake, OH 44145 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US VZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (25) ja (26) ja
- (31) 9/280252 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (31) 9/288927 (32) **21 Oct/oct 1997 (21.10.1997)** (33) JP
- (31) 9/288928 (32) **21 Oct/oct 1997 (21.10.1997)** (33) JP
- (31) 9/308180 (32) **11 Nov/nov 1997 (11.11.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H01M 8/02**
- (54) ● SEPARATOR FOR LOW TEMPERATURE TYPE FUEL CELL AND METHOD OF PRODUCTION THEREOF
● SEPARATEUR POUR CELLULE ELECTRO- CHIMIQUE BASSE TEMPERATURE ET PRO- CEDE DE PRODUCTION DUDIT SEPARA- TEUR

(71) **NISSHIN STEEL CO., LTD.** [JP/JP]; 4-1, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-8366 (JP). **TOYOTA MOTOR CORPORATION** [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8572 (JP).
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(72, 75) **FUKUI, Yasushi** [JP/JP]; Steel & Technology Development Laboratories, Nisshin Steel Co., Ltd., 5, Ishizu-Nishimachi, Sakai-shi, Osaka 592-8332 (JP). **MATSUNO, Masanori** [JP/JP]; Steel & Technology Development Laboratories, Nisshin Steel Co., Ltd., 5, Ishizu-Nishimachi, Sakai-shi, Osaka 592-8332 (JP). **SAITO, Minoru** [JP/JP]; Steel & Technology Development Laboratories, Nisshin Steel Co., Ltd., 5, Ishizu-Nishimachi, Sakai-shi, Osaka 592-8332 (JP).

(74) **OGURA, Wataru**; 201, Ohno-Senkawa Building, 23-7, Kanamecho 3-chome, Toshima-ku, Tokyo 171-0043 (JP).

(81) BR CA CN CZ KR PL RU US; EP (BE DE ES FR GB IT SE).

(11) **WO 99/19928** (13) A1

(21) PCT/US98/08730

(22) **29 Apr/avr 1998 (29.04.1998)**

(25) en (26) en

(31) 08/948,599 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 8/10, 4/88, C25B 9/00, G01N 27/49**

(54) ● MEMBRANE ELECTRODE ASSEMBLY
● ENSEMBLE ELECTRODE A MEMBRANE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) **DEBE, Mark, K.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **POIRIER, Richard, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **WACKERFUSS, Michael, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **ZIEGLER, Raymond, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **DAHL, Philip, Y.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/19929** (13) A1

(21) PCT/US98/18211

(22) **2 Sep/sep 1998 (02.09.1998)**

(25) en (26) en

(31) 08/948,627 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 8/10**

(54) ● MEMBRANE ELECTRODE ASSEMBLIES
● ENSEMBLE ELECTRODE MEMBRANAIRE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) **DEBE, Mark, K.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **LARSON, James, M.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **BALSIMO, William, V.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **STEINBACH, Andrew, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **ZIEGLER, Raymond, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **DAHL, Philip, Y.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/948,851 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 8/10, 4/88, C25B 9/00, G01N 27/49**

(54) ● PROCESS OF FORMING A MEMBRANE ELECTRODE
● PROCÉDE DE FABRICATION D'UNE ELECTRODE A MEMBRANE

(71) **MINNESOTA MINING AND MANUFACTURING COMPANY** [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) **DEBE, Mark, K.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **PHAM, Thao, Ngoc.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). **STEINBACH, Andrew, J.**; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(74) **DAHL, Philip, Y.** et al. / etc.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19931** (13) A1

(21) PCT/US98/21067

(22) **6 Oct/oct 1998 (06.10.1998)**

(25) en (26) en

(31) 08/948,969 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 10/40**

(54) ● LIQUID ELECTROLYTE LITHIUM-SULFUR BATTERIES
● BATTERIES D'ACCUMULATEURS SOUFRE-LITHIUM A ELECTROLYTES LIQUIDES

(71) **POLYPLUS BATTERY COMPANY, INC.** [US/US]; Suite B, 2431 Fifth Street, Berkeley, CA 94710 (US).
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(72, 75) **CHU, May-Ying** [US/US]; 6069 Fairlane Drive, Oakland, CA 94611 (US). **DE JONGHE, Lutgard, C.** [BE/US]; 910 Acalanes Road, Lafayette, CA 94549 (US). **VISCO, Steven, J.** [US/US]; 2336 California Street, Berkeley, CA 94703 (US). **KATZ, Bruce, D.** [US/US]; 225 Clifton Street, Oakland, CA 94618 (US).

(74) **WEAVER, Jeffrey, K.** et al. / etc.; Beyer & Weaver, LLP, P.O. Box 61059, Palo Alto, CA 94306 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 60/062,124 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01M 10/40**

(54) ● NON-AQUEOUS ELECTROLYTE SOLVENTS FOR SECONDARY CELLS
● SOLVANTS D'ELECTROLYTE NON AQUEUX POUR ACCUMULATEURS

(71) **MOLTECH CORPORATION** [US/US]; 9062 South Rita Road, Tucson, AZ 85747 (US). **ARIZONA BOARD OF REGENTS** [US/US]; P.O. Box 873511, Tempe, AZ 85287-3511 (US).
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(72, 75) **ANGELL, Charles, A.** [US/US]; 2122 Paseo Loma Circle, Mesa, AZ 85202 (US). **XU, Kang** [CN/US]; 18239 Lost Knife Circle #204, Gaithersburg, MD 20879 (US). **KOVALEV, Igor P.** [RU/US]; 5751 N. Kolb Road #30208, Tucson, AZ 85750 (US). **SKOTHEIM, Terje, A.** [NO/US]; 7080 N. Cathedral Rock Place, Tucson, AZ 85718 (US).

(74) **MORRISON & FOERSTER LLP**; 755 Page Mill Road, Palo Alto, CA 94304-1018 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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 (21) PCT/GB98/03072
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 9721803.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01P 1/208, 7/10**
 (54) ● COMPOSITE RESONATOR
 ● RESONATEUR COMPOSITE
 (71) **FILTRONIC PLC** [GB/GB]; The Waterfront, Salt Mill Road, Saltaire, Shipley BD18 3TT (GB).
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 (72, 75) **HUNTER, Ian** [GB/GB]; Filtronic plc, The Waterfront, Salts Mill Road, Saltaire, Shipley BD18 3TT (GB). **RHODES, John, David** [GB/GB]; Filtronic plc, The Waterfront, Salts Mill Road, Saltaire, Shipley BD18 3TT (GB).
 (74) **ORR, William, McLean**; Urquhart-Dykes & Lord, Tower House, Merrion Way, Leeds LS2 8PA (GB).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19934** (13) A1
 (21) PCT/US98/20386
 (22) **30 Sep/sep 1998 (30.09.1998)**
 (25) en (26) en
 (31) 08/950,844 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01P 5/18**
 (54) ● SURFACE MOUNT COUPLER DEVICE
 ● DISPOSITIF DE COUPLAGE POUR MONTAGE EN SURFACE
 (71) **AVX CORPORATION** [US/US]; 801 17th Avenue South, Myrtle Beach, SC 29578 (US).
 (72) **GOLDBERGER, Haim**; Nahal Snir Street 31, 71700 Modi'in (IL). **REFAELY, Isaac**; Emek Dotan Street 84, 71700 Modi'in (IL). **ELRON, Ehud**; Shikun Harhel 10, 96223 Jerusalem (IL).
 (74) **KILLEN, Craig, N.** et al. / etc.; Dority & Manning, P.A., P.O. Box 1449, Greenville, SC 29602-1449 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19935** (13) A1
 (21) PCT/US98/21496
 (22) **12 Oct/oct 1998 (12.10.1998)**
 (25) en (26) en
 (31) 08/949,919 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01Q 1/00, 1/12, E04H 12/16**
 (54) ● MONOPOLE ANTENNA MOUNTING SYSTEM
 ● SYSTEME DE MONTAGE D'ANTENNE UNIPOLAIRE
 (71) **AT & T CORP.** [US/US]; 32 Avenue of the Americas, New York, NY 10013-2412 (US).
 (72) **LUNDGREN, Carl, W.**; 60 Woodhollow Road, Colts Neck, NJ 07722 (US).
 (74) **DWORETSKY, Samuel, H.**; AT & T Corp., P.O. Box 4110, Middletown, NJ 07748 (US) et al. / etc.
 (81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
- (11) **WO 99/19936** (13) A1
 (21) PCT/GB98/03085
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/949,760 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01Q 7/00**
 (54) ● ELECTRIC AND MAGNETIC FIELD GENERATOR, CORRESPONDING FIELD DETECTOR, AND SAMPLE ANALYSER
 ● GENERATEUR DE CHAMP ELECTRIQUE ET MAGNETIQUE, DETECTEUR DE CHAMP CORRESPONDANT ET ANALYSEUR D'ECHANTILLON
 (71) **HEX TECHNOLOGY HOLDINGS LIMITED** [—]; Queens House, Don Road, P.O. Box 301, St. Helier, Jersey JE4 8YZ (GB).
(for all designated States except / pour tous les États désignés sauf US)
 (71) **CROSS, Rupert, Edward, Blount** [GB/GB]; 27 Furnival Street, London EC4A 1PQ (GB).
(only for / seulement pour LR)
 (72, 75) **VAISER, Leonid Vladimirovich** [RU/RU]; Dobos u. 67, H-1202 Budapest (HU). **KOKORIN, Boris Ivanovich** [RU/GB]; 10 Kerrifield, Winchester, Hampshire SO22 5EX (GB).
 (74) **BOULT WADE TENNANT**; 27 Furnival Street, London EC4A 1PA (GB).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19937** (13) A1
 (21) PCT/US98/06758
 (22) **6 Apr/avr 1998 (06.04.1998)**
 (25) en (26) en
 (31) 08/948,403 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01Q 21/22, 5/00**
 (54) ● DUAL BAND PHASED ARRAY ANTENNA
 ● ANTENNE EN RESEAU A COMMANDE DE PHASE DOUBLE BANDE
 (71) **TX RX SYSTEMS INC.** [US/US]; 8625 Industrial Parkway, Angola, NY 14006 (US).
 (72) **KAEGEBEIN, Daniel, P.**; 199 Lou Ann Drive, Depew, NY 14043 (US).
 (74) **KAUFFMAN, R., Craig**; Bean, Kauffman & Snyder, Suite 1000, 43 Court Street, Buffalo, NY 14202 (US).
 (81) AU CA NZ; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (b)
- (11) **WO 99/19938** (13) A1
 (21) PCT/US98/21331
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 60/061,635 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01Q 15/02, 15/24, 15/14**
 (54) ● LOW-WINDLOAD SATELLITE ANTENNA
 ● ANTENNE DE COMMUNICATION PAR SATELLITE A FAIBLE RESISTANCE AUX VENTS
 (71) **MALIBU RESEARCH ASSOCIATES, INC.** [US/US]; 26670 Agoura Road, Calabasas, CA 91302-1974 (US).
 (72) **WALKER, Joel, F.**; 24414 Malibu Road, Malibu, CA 90265 (US). **GONZALEZ, Daniel, G.**; 501 Sadie Road, Topanga, CA 90290 (US). **POLLON, Gerald, E.**; 961 Calle Del Pacifico, Glendale, CA 91208 (US).
 (74) **HENNEBERGER, Glenn, T.**; Hoffmann & Baron, LLP, 350 Jericho Turnpike, Jericho, NY 11753 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
- (11) **WO 99/19939** (13) A1
 (21) PCT/GB98/02953
 (22) **1 Oct/oct 1998 (01.10.1998)**
 (25) en (26) en
 (31) 9721541.2 (32) **11 Oct/oct 1997 (11.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01Q 21/22, 5/00**
 (54) ● DUAL BAND PHASED ARRAY ANTENNA
 ● ANTENNE EN RESEAU A COMMANDE DE PHASE DOUBLE BANDE

(71) **THE SECRETARY OF STATE FOR DEFENCE** [GB/GB]; Defence Research Agency, Ively Road, Farnborough, Hampshire GU14 0LX (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOCKHAM, George** [GB/GB]; IPD2, C-103 East Court, DERA Portsdown West, Portsdown Hill Road, Fareham, Hants PO17 6AD (GB).

(74) **BOWDERY, A., O.**; D/IPR, Formalities Section (DERA), Poplar 2, MOD Abbey Wood # 19, Bristol BS34 8JH (GB).

(81) AU CA LT NO RU UA US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19940** (13) A2

(21) PCT/DE98/03024

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) de (26) de

(31) 297 18 270.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R**

(54) ● CONTACT ELEMENT FOR CURRENT-CARRYING PARTS, IN PARTICULAR SWITCHES
● ELEMENT DE CONTACT POUR PIÈCES CONDUCTRICES, NOTAMMENT DES INTERRUPTEURS

(71, 72) **SUTHOFF, Burkhardt** [DE/DE]; Berninghofallee 6, D-48431 Rheine (DE). **SCHAAF, Andreas** [DE/DE]; Schevinger Strasse 28, D-28259 Bremen (DE). **HENTSCHEL, Holger** [DE/DE]; Samlandstrasse 22, D-27751 Delmenhorst (DE).

(74) **WINKLER, Andreas**; Boehmert & Boehmert, Hollerallee 32, D-28209 Bremen (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19941** (13) A2

(21) PCT/US98/21292

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/063,476 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R**

(54) ● MODULE HEADER APPARATUS
● EMBASE DE MODULE

(71) **ROBINSON NUGENT, INC.** [US/US]; 800 East Eighth Street, New Albany, IN 47150 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAMEY, Samuel, C.** [US/US]; 1906 Lauderdale Road, Louisville, KY 40205 (US). **KUSTERS, Johannes, Petrus, Maria** [NL/US]; Apartment 1, 3226 Slate Creek Court, New Albany, IN 47150 (US). **BRAINARD, John, Paul** [US/US]; 8417 Ambrose Lane, Louisville, KY 40299 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19942** (13) A1

(21) PCT/US98/21405

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/062,955 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 13/60, 13/66, 13/73**

(54) ● RETENTION CLIP FOR AN ELECTRICAL CONNECTOR
● PINCE DE RETENTION POUR CONNECTEUR ELECTRIQUE

(71) **ROBINSON NUGENT, INC.** [US/US]; 800 East Eighth Street, New Albany, IN 47150 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **RAMEY, Samuel, C.** [US/US]; 1906 Lauderdale Road, Louisville, KY 40205 (US).

(74) **NIEDNAGEL, Timothy, E.**; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19943** (13) A1

(21) PCT/US98/21832

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) en (26) en

(31) 08/950,454 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 13/648**

(54) ● CONNECTOR SYSTEM
● SYSTEME DE CONNECTEUR

(71) **BERG TECHNOLOGY, INC.** [US/US]; One East First Street, Reno, NV 89501 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EVANS, Robert, F.** [US/US]; 13 Woburn Abbey Drive, Bedford, NH 03110 (US).

(74) **PAGE, M., Richard** et al. / etc.; 825 Old Trail Road, Ebers, PA 17319 (US).

(81) CN JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19944** (13) A1

(21) PCT/US98/21412

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,466 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 23/02**

(54) ● HIGH FREQUENCY BI-LEVEL OFFSET MULTI-PORT JACK

● JACK HAUTE FREQUENCE A ACCES MULTIPLES A DECALAGE SUR DEUX NIVEAUX

(71) **STEWART CONNECTOR SYSTEMS** [US/US]; 11118 Susquehanna Trail South, Glen Rock, PA 17327 (US).

(72) **FAIR, Mervin** (deceased / décédé). **FLEMING, Jeffrey**; 68 Camelot Arms, York, PA 17402 (US). **LOCATI, Ronald**; 2701 Ferncreek Lane, York, PA 17404 (US). **BARNUM, David**; 2221 Tall Oaks Lane, York, PA 17402 (US). **SMITH, James**; 433 Gun Club Road, York, PA 17406 (US). **HULBERT, Patrick**; 1266 Rawlinsville Road, New Providence, PA 17560 (US). **MAROWSKY, Richard**; 801 Willow Ridge Drive, York, PA 17404 (US).

(74) **RASKIN, Martin, G.** et al. / etc.; Steinberg & Raskin, P.C., 1140 Avenue of the Americas, New York, NY 10036 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19945** (13) A1

(21) PCT/JP97/03649

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 33/76**

(54) ● ELECTRICAL CONNECTING DEVICE
● DISPOSITIF DE CONNEXION ELECTRIQUE

(71) **ENPLAS CORPORATION** [JP/JP]; 30-1, Namiki 2-chome, Kawaguchi-shi, Saitama-ken 332 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FUKUNAGA, Masami** [JP/JP]; Enplas Corporation, 30-1, Namiki 2-chome, Kawaguchi-shi, Saitama-ken 332 (JP). **MORI, Kentaro** [JP/JP]; Enplas Corporation, 30-1, Namiki 2-chome, Kawaguchi-shi, Saitama-ken 332 (JP).

(74) **SANO, Hiroshi**; 902 Kayanuma Building, 10-6, Shinkawa 2-chome, Chuo-ku, Tokyo 104 (JP).

(81) KR US.

(11) **WO 99/19946** (13) A1

(21) PCT/DE98/02710

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) de (26) de

(31) 197 44 357.5 (32) **8 Oct/oct 1997 (08.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 39/16**

(54) ● COMMUTATOR
● COLLECTEUR

(71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SCHMIDT, Ralf** [DE/DE]; Hansjakobstrasse 28, D-77871 Renchen (DE). **KIEFER, Martin** [DE/DE]; Wäldenstrasse 4, D-77704 Oberkirch (DE).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19947** (13) A1

(21) PCT/EP98/06532

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) de (26) de

(31) 197 45 483.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(31) 198 25 160.2 (32) **5 Jun/juin 1998 (05.06.1998)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01R 43/042, B25B 27/14**

(54) ● HYDRAULIC PRESSING DEVICE AND METHOD FOR OPERATING THE SAME
● DISPOSITIF DE PRESSAGE HYDRAULIQUE ET SON PROCÉDE DE FONCTIONNEMENT

(71) **GUSTAV KLAUKE GMBH** [DE/DE]; Auf dem Knapp 46, D-42855 Remscheid (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **FRENKEN, Egbert** [DE/DE]; Sittarder Strasse 6a, D-52525 Heinsberg (DE).

(74) **MÜLLER, Enno** et al. / etc.; Corneliusstrasse 45, D-42329 Wuppertal (DE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19948** (13) A1

(21) PCT/US98/21732

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 60/062,106 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(31) 09/170,491 (32) **13 Oct/oct 1998 (13.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01S 3/04, 3/045, 3/19, H01L 21/20**

(54) ● LASER DIODE ASSEMBLY
● ASSEMBLAGE DE DIODES DANS UN LASER

(71) **DECADE PRODUCTS, INC.** [US/US]; 3804 Academy Parkway North, N.E., Albuquerque, NM 87109 (US).

(72) **HODEN, Brian, P.**; 153 Thunder Mountain Road, Edgewood, NM 87105 (US). **JACOB, Jon, B.**; 3804 Academy Parkway North, N.E., Albuquerque, NM 87109 (US).

(74) **BAKER, Rod, D.**; Peacock, Myers & Adams, P.O. Box 26927, Albuquerque, NM 87125-6927 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19949** (13) A1

(21) PCT/KR98/00313

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 1997/52713 (32) **15 Oct/oct 1997 (15.10.1997)** (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01S 3/06, 3/23**

(54) ● FIBER AMPLIFIER WITH REDUCED TEMPERATURE DEPENDENT GAIN FLATNESS DISTORTION
● AMPLIFICATEUR A FIBRES POSSEDANT UNE MOINDRE DISTORSION INHERENTE A LA TEMPERATURE DE LA PLANEITE DE GAIN

(71, 72) **PARK, Nam, Kyoo** [KR/KR]; 196-278, Bongchun 11 dong, Kwanak-ku, Seoul 151-061 (KR). **LEE, Ju, Han** [KR/KR]; 6/3 410-6, Gogbanjung, Kwonsun-ku, Kyunggi-do, Suwon-shi 441-400 (KR).

(74) **HUH, Jin, Seok**; 206 Sungji Building, 1338-22, Seocho-dong, Seocho-ku, Seoul 137-070 (KR).

(81) CA CN JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19950** (13) A1

(21) PCT/US98/18138

(22) **1 Sep/sep 1998 (01.09.1998)**

(25) en (26) en

(31) 08/947,474 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/034,870 (32) **4 Mar/mar 1998 (04.03.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01S 3/18**

(54) ● PULSE ENERGY CONTROL FOR EXCIMER LASER
● REGULATION DE L'ENERGIE DES IMPULSIONS DANS UN LASER EXCIMERE

(71) **CYMER, INC.** [US/US]; 16750 Via Del Campo Court, San Diego, CA 92127-1712 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SANDSTROM, Richard, L.** [US/US]; 305 Trailview Road, Encinitas, CA 92024 (US). **BE-SAUCELE, Herve, A.** [FR/US]; Apartment D, 8354 Via Sonoma, La Jolla, CA 92037 (US). **FO-MENKOV, Igor V.** [RU/US]; 14390 Janal Way, San Diego, CA 92129 (US). **DAS, Palash, P.** [US/US]; 2029 Paseo de Anza, Vista, CA 92084 (US).

(74) **ROSS, John, R.**; Cymer, Inc., Legal Dept. - MS/3-2A, 16750 Via Del Campo Court, San Diego, CA 92127-1712 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19951** (13) A1

(21) PCT/US98/17380

(22) **21 Aug/août 1998 (21.08.1998)**

(25) en (26) en

(31) 08/947,474 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01S 3/22**

(54) ● NARROW BAND EXCIMER LASER
● LASER EXCIMER A BANDE ETROITE

(71) **CYMER, INC.** [US/US]; 16750 Via Del Campo Court, San Diego, CA 92127-1712 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ISHIHARA, Toshihiko** [JP/US]; 7447 Salizar Street, San Diego, CA 92111 (US). **HOFMANN, Thomas** [DE/US]; 7418 Fulton Street, San Diego, CA 92111 (US). **DAS, Palash, P.** [US/US]; 2029 Paseo De Anza, Vista, CA 92084 (US). **ERSHOV, Alexander I.** [RU/US]; 11344 Meadow Flower Place, San Diego, CA 92127 (US).

(74) **ROSS, John, R.**; Cymer, Inc., Legal Dept., MS/3-2A, 16750 Via Del Campo Court, San Diego, CA 92127-1712 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/19952** (13) A1

(21) PCT/US98/20226

(22) **25 Sep/sep 1998 (25.09.1998)**

(25) en (26) en

(31) 08/947,474 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(31) 09/082,139 (32) **20 May/mai 1998 (20.05.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H01S 3/22**

(54) ● NARROW BAND EXCIMER LASER WITH GAS ADDITIVE
● LASER EXCIMERE BANDE ETROITE COMPORTANT DES ADJUVANTS GAZEUX.

(71) **CYMER, INC.** [US/US]; 16750 Via Del Campo Court, San Diego, CA 92127-1712 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOFMANN, Thomas** [DE/US]; 4794 Arizona Street # 205, San Diego, CA 92116 (US). **ISHIHARA, Toshihiko** [JP/US]; 7447 Salizar Street,

- San Diego, CA 92111 (US). **DAS, Palash, P.** [US/US]; 2029 Paseo De Anza, Vista, CA 92084 (US). **ERSHOW, Alexander I.** [RU/US]; 11344 Meadow Flower Place, San Diego, CA 92127 (US).
- (74) **ROSS, John, R.**; Cymer, Inc., Legal Dept. – MS/3–2A, 16750 Via Del Campo Court, San Diego, CA 92127–1712 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19953** (13) A1
 (21) PCT/US98/21607
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 08/951,022 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H01T 13/46, 13/32**
 (54) ● A RADIAL GAP HIGH THREAD SPARK PLUG
 ● BOUGIE A FILETAGE IMPORTANT ET A ECARTEMENT RADIAL DES ELECTRODES
 (71) **ALLIEDSIGNAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).
 (72) **BELOW, Matthew, B.**; 527 Karen Court, Findlay, OH 45840 (US).
 (74) **CRISS, Roger, H.** et al. / etc.; AlliedSignal Inc., Law Dept. (A. Olinger), 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962–2245 (US).
 (81) BR CA JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
 Published / Publiée : (c)
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- (11) **WO 99/19954** (13) A1
 (21) PCT/DE98/02994
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) de (26) de
 (31) 197 44 827.5 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
 (31) 198 14 810.0 (32) **2 Apr/avr 1998 (02.04.1998)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H02B 1/21, H05K 7/14**
 (54) ● ADAPTER FOR CURRENT COLLECTOR RAILS
 ● ADAPTATEUR POUR BARRES OMNIBUS
 (71) **KLÖCKNER–MOELLER GMBH** [DE/DE]; Hein–Moeller–Strasse 7–11, D–53115 Bonn (DE).
 (72) **BOLDIN, Rudi**; Engelsweidchen 12, D–52372 Kreuzau (DE). **MÜSSELER, Willi**; Wegscheid 3, D–53347 Alfter (DE). **BENDER, Martin–Georg**; Friedrichstrasse 12, D–65385 Rüdesheim am Rhein (DE). **SCHLIEBER, Frank**; Vulkanstrasse 59, D–56659 Burgbrohl (DE).
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- (81) CN JP; EA (AM AZ BY KG KZ MD RU TJ TM).
 Published / Publiée : (c)
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- (11) **WO 99/19955** (13) A1
 (21) PCT/GB98/02938
 (22) **30 Sep/sep 1998 (30.09.1998)**
 (25) en (26) en
 (31) 9721987.7 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H02G 3/04**
 (54) ● FLEXIBLE PROTECTIVE SLEEVES
 ● MANCHONS FLEXIBLES DE PROTECTION
 (71) **FEDERAL–MOGUL TECHNOLOGY LIMITED** [GB/GB]; Cawston House, Cawston Lane, Rugby, Warwickshire, CV22 7SA (GB).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **COOK, Mark** [GB/GB]; 110 Blackbrook Road, Loughborough, Leicestershire LE11 4PZ (GB).
 (74) **DRURY, Peter, Lawrence** et al. / etc.; T & N Limited, Manchester International Office Centre, Styal Road, Manchester M22 5TN (GB).
 (81) BR CZ JP PL US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19956** (13) A1
 (21) PCT/US98/21452
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) en (26) en
 (31) 08/950,970 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H02H 3/18, H02J 1/00**
 (54) ● SLOW CIRCUIT BREAKER PROTECTION CIRCUIT
 ● CIRCUIT DE PROTECTION D'UN DISJONCTEUR LENT
 (71) **SCHWEITZER ENGINEERING LABORATORIES, INC.** [US/US]; 2350 Northeast Hopkins Court, Pullman, WA 99163 (US).
 (72) **GROSS, Lawrence, C., Junior**; 620 Southeast Meadowdale Drive, Pullman, WA 99163 (US). **ANDERSON, Luther, S.**; 745 Southeast High Street, Pullman, WA 99163 (US).
 (74) **PUNTIGAM, Clark, A.**; 2033 6th Avenue #1020, Seattle, WA 98121 (US).
 (81) BR CN MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
 Published / Publiée : (c)
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- (11) **WO 99/19957** (13) A1
 (21) PCT/US98/17461
 (22) **20 Aug/août 1998 (20.08.1998)**
 (25) en (26) en
 (31) 60/062,097 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 09/044,216 (32) **18 Mar/mar 1998 (18.03.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
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- (51)⁶ **H02H 3/22**
 (54) ● SURGE SUPPRESSOR DEVICE
 ● DISPOSITIF LIMITEUR DE SURTENSION
 (63) US 60/062,097 (CIP)
 US 14 Oct/oct 1997 (14.10.1997)
 US 09/044,216 (CIP)
 18 Mar/mar 1998 (18.03.1998)
 (71) **POLYPHASER CORPORATION** [US/US]; 2225 Park Place, Minden, NV 89423 (US).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **JONES, Jonathan, L.** [US/US]; 213 Miriam Way, Carson City, NV 89706 (US). **DUNNING, Richard, C.** [US/US]; 1570 Chiquita Drive, Minden, NV 89423 (US). **KULBIEDA, Ted, K.** [US/US]; 410 West Winnie Lane #38, Carson City, NV 89703 (US).
 (74) **VAKIL, Ketan** et al. / etc.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19958** (13) A1
 (21) PCT/EP98/06419
 (22) **9 Oct/oct 1998 (09.10.1998)**
 (25) de (26) de
 (31) 197 45 074.1 (32) **11 Oct/oct 1997 (11.10.1997)** (33) DE
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H02H 11/00**
 (54) ● PROTECTIVE CIRCUIT WITH N–CHANNEL MOS FET FOR AN ELECTRONIC CIRCUIT
 ● CIRCUIT DE PROTECTION A TRANSISTOR A EFFET DE CHAMP MOS A CANAL N POUR UN CIRCUIT ELECTRONIQUE
 (71) **SWF AUTO–ELECTRIC GMBH & CO. KG** [DE/DE]; Stuttgarter Strasse 119, D–74321 Bietigheim–Bissingen (DE).
 (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **HÖGLER, Eberhard** [DE/DE]; Löschgauer Strasse 16/1, D–74391 Erligheim (DE).
 (74) **DREISS, FUHLENDORF, STEIMLE & BECKER**; Postfach 10 37 62, D–70032 Stuttgart (DE).
 (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
 Published / Publiée : (c)
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- (11) **WO 99/19959** (13) A1
 (21) PCT/US98/21133
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 08/948,408 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H02J 1/00, 7/00**

- (54) ● METHOD AND APPARATUS FOR CHARGING ONE OR MORE ELECTRIC VEHICLES
● PROCEDE ET APPAREIL PERMETTANT DE CHARGER UN OU PLUSIEURS VEHICULES ELECTRIQUES

(71) **SCHOTT POWER SYSTEMS INCORPORATED** [US/US]; 1000 Parkers Lake Road, Wayzata, MN 55391 (US).

(72) **HENZE, Christopher, P.**; 16220 Hudson Avenue, Lakeville, MN 55044 (US).

(74) **KOEHLER, Steven, M.** et al. / etc.; Westman, Champlin & Kelly, P.A., Suite 1600, International Centre, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US).

(81) DE GB JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19960** (13) A1

(21) PCT/IE98/00082

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) S970742 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02J 13/00**

- (54) ● A DISTRIBUTION AUTOMATION REMOTE TERMINAL UNIT
● TERMINAL A DISTANCE DE DISTRIBUTION AUTOMATIQUE

(71) **VISERGE LIMITED** [IE/IE]; Unit 28, IDA Centre, Pearse Street, Dublin 2 (IE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **O'DONNELL, Graham** [IE/IE]; 5 Lower Albert Road, Sandycove, Dun Laoghaire, County Dublin (IE). **SHEEHY, Morgan** [IE/IE]; 55 Nutley Avenue, Dublin 4 (IE). **KEARNEY, Adrian** [IE/IE]; 24 Roselawn Road, Castleknock, Dublin 15 (IE). **O'GRADY, Gerry** [IE/IE]; 16 Delgany Park, Greystones, County Wicklow (IE).

(74) **O'CONNOR, Donal, H.** et al. / etc.; Cruickshank & Co., 1 Hollis Street, Dublin 2 (IE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19961** (13) A1

(21) PCT/US98/21159

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/947,862 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 1/00, 3/00**

- (54) ● BRUSHLESS SYNCHRONOUS ROTARY ELECTRICAL MACHINE
● MACHINE ELECTRIQUE ROTATIVE SYNCHRONOUS SANS BALAIS

(71) **S.H.R. LIMITED BVI** [IL/IL]; Hamasger Street (Colmotor Ltd.), 38, 67211 Tel Aviv (IL).
(for all designated States except / pour tous les États désignés sauf US)

(71) **FRIEDMAN, Mark, M.** [US/IL]; Alharizi 1, 43406 Raanana (IL).
(only for / seulement pour TJ)

(72, 75) **RADOVSKY, Alexander** [IL/IL]; Eder 42A, 34752 Haifa (IL).

(74) **FRIEDMAN, Mark, M.**; c/o Castornia, Anthony, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19962** (13) A1

(21) PCT/US98/21858

(22) **16 Oct/oct 1998 (16.10.1998)**

(25) en (26) en

(31) 60/062,152 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 1/00, 1/12**

- (54) ● GENERATORS AND TRANSFORMERS WITH TOROIDALLY WOUND STATOR WINDING
● GENERATEURS ET TRANSFORMATEURS AVEC BOBINE DE STATOR A ENROULEMENT TOROIDAL

(71, 72) **SULLIVAN, Steven, L.** [US/US]; 19504 Wyndmill Circle, Odessa, FL 33556 (US).

(74) **DUNLEAVY, Kevin, J.**; Hunton & Williams, 1900 K Street, N.W., Washington, DC 20006 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/19963** (13) A1

(21) PCT/SE98/01740

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) sv (26) en

(31) 9703554-7 (32) **30 Sep/sep 1997 (30.09.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 3/40, G01R 31/06**

- (54) ● ROTATING ELECTRIC MACHINE
● MACHINE ELECTRIQUE ROTATIVE

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 83 Västerås (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SÖRENSEN, Erland** [SE/SE]; Gudruns väg 32, S-723 55 Västerås (SE). **LEIJON, Mats** [SE/SE]; Hyvllargatan 5, S-723 35 Västerås (SE). **BERGGREN, Bertil** [SE/SE]; Rönnergagatan 2 B, S-723 46 Västerås (SE). **NYGREN, Jan-Anders** [SE/SE]; Karlfeldtsгатan 27 B, S-722 22 Västerås (SE).

(74) **HOPFGARTEN, Nils**; L.A. Groth & Co. KB, P.O. Box 6107, S-102 32 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19964** (13) A1

(21) PCT/US98/21973

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 08/949,355 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 5/00, 5/16, 5/18, 7/10**

- (54) ● IMPROVED ELECTRICAL ALTERNATOR
● ALTERNATEUR ELECTRIQUE AMELIORE

(71) **GENERAC CORPORATION** [US/US]; P.O. Box 8, Waukesha, WI 53187 (US).

(72) **KERN, Robert, D.**; W305 S4275 Brookhill Road, Waukesha, WI 53188 (US). **ROBSON, Andrew, B.**; 2829 North University Drive, Waukesha, WI 53188 (US). **RUEHLOW, Gerald, C.**; N69 W35896 Highway K, Oconomowoc, WI 53066 (US).

(74) **SHUPE, Larry, L.**; Jansson, Shupe, Bridge & Munger, Ltd., Suite M, 245 Main Street, Racine, WI 53403 (US).

(81) BR CN JP KR MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19965** (13) A1

(21) PCT/US98/12665

(22) **17 Jun/juin 1998 (17.06.1998)**

(25) en (26) en

(31) 08/948,121 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 7/00, G10K 7/04, E05B 65/12, B60S 1/08**

- (54) ● AUDIBLE FEEDBACK APPARATUS FOR INDICATING OPERATION AND POSITION OF A MOVABLE ELEMENT
● APPAREIL DE RETOUR SONORE DESTINE A INDIQUER LE FONCTIONNEMENT ET LA POSITION D'UN ELEMENT MOBILE

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **BOMYA, Timothy, J.**; 6262 North Crown Street, Westland, MI 48185 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19966** (13) A1

(21) PCT/US98/18757

(22) **9 Sep/sep 1998 (09.09.1998)**

(25) en (26) en

(31) 08/947,976 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 7/116, F16H 1/32, B60S 1/16**

(54) ● MULTI-FUNCTIONAL APPARATUS EMPLOYING AN INTERMITTENT MOTION MECHANISM

● APPAREIL MULTIFONCTIONS AVEC MECANISME A MOUVEMENT INTERMITTENT

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48126 (US).

(72) **ORUGANTY, Raghu;** 10971 Oak Lane #4211, Belleville, MI 48111 (US). **KILKER, Daniel, D.;** 46659 Doubletree Road, Canton, MI 48187 (US). **ZIMMER, William, Carl;** 151 Anna Drive, Columbus, MS 39702 (US). **GIBSON, James, Wayne;** 5476 Highway 50 East, Steens, MS 39766 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19967** (13) A1

(21) PCT/US98/18094

(22) **1 Sep/sep 1998 (01.09.1998)**

(25) en (26) en

(31) 08/947,972 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 7/12, B60S 1/16, E05B 47/00**

(54) ● MULTI-FUNCTIONAL ELECTRONIC ACTUATOR
● ACTIONNEUR ELECTRONIQUE PLURIFONCTIONNEL

(71) **UT AUTOMOTIVE DEARBORN, INC.** [US/US]; 5200 Auto Club Drive, Dearborn, MI 48426 (US).

(72) **MAUE, H., Winston;** 21789 Glenwild Drive, Northville, MI 48167 (US). **MILLER, Robin, Mihokun;** 108 Burbank Road, Ellington, CT 06029 (US). **TILLI, Christopher, R.;** 2480 E. Rhead Circle, Westland, MI 48186 (US).

(74) **FALCOFF, Monte, L.** et al. / etc.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, MI 48303 (US).

(81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19968** (13) A1

(21) PCT/SE98/01739

(22) **29 Sep/sep 1998 (29.09.1998)**

(25) sv (26) en

(31) 9703553-9 (32) **30 Sep/sep 1997 (30.09.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 11/00, 19/36**

(54) ● SYNCHRONOUS MACHINE

● MACHINE SYNCHRONE

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 83 Västerås (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SÖRENSEN, Erland** [SE/SE]; Gudrunns väg 32, S-723 55 Västerås (SE). **LEIJON, Mats** [SE/SE]; Hyvrlargatan 5, S-723 35 Västerås (SE).

(74) **HOPFGARTEN, Nils;** L.A. Groth & Co.KB, P.O. Box 6107, S-102 32 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19969** (13) A1

(21) PCT/SE98/01833

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9703719-6 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 15/02, 1/12**

(54) ● A STATOR AND A METHOD FOR MANUFACTURING A STATOR
● STATOR ET PROCEDE DE PRODUCTION D'UN STATOR

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 83 Västerås (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **LARSSON, Bertil** [SE/SE]; Samsvågen 12, S-724 76 Västerås (SE). **JONAS, Ivan** [SE/SE]; Hermod's väg 9, S-723 55 Västerås (SE). **ROTHMAN, Bengt** [SE/SE]; Profiligatan 16, S-723 36 Västerås (SE). **GERTMAR, Lars** [SE/SE]; Humlegatan 6, S-722 26 Västerås (SE).

(74) **JOHANSSON WEBBJÖRN, Ingmari;** L.A. Groth & Co. KB, P.O. Box 6107, S-102 32 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19970** (13) A1

(21) PCT/SE98/01834

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 9703720-4 (32) **13 Oct/oct 1997 (13.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 15/02**

(54) ● A STATOR AND A METHOD FOR MANUFACTURING A STATOR
● STATOR ET PROCEDE DE PRODUCTION D'UN STATOR

(71) **ASEA BROWN BOVERI AB** [SE/SE]; S-721 83 Västerås (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BACKLUND, Alberti** [SE/SE]; Orrvägen 2, S-734 37 Hallstahammar (SE).

(74) **JOHANSSON WEBBJÖRN, Ingmari;** L.A. Groth & Co. KB, P.O. Box 6107, S-102 32 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI FI (Utility model / modèle d'utilité) GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19971** (13) A1

(21) PCT/GB98/03070

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

(31) 9721805.1 (32) **15 Oct/oct 1997 (15.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02K 41/02**

(54) ● THREE-DEGREES-OF-FREEDOM MOTOR
● MOTEUR A TROIS DEGRES DE LIBERTE

(71) **THE UNIVERSITY OF SHEFFIELD** [GB/GB]; Western Bank, Sheffield S10 2TN (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HOWE, David** [GB/GB]; Butterfield House, The Hollow, Bamford Mill, Bamford, Hope Valley S33 0AU (GB). **WANG, Jiabin** [CN/GB]; 18 Hartley Close, Chelmer Village, Chelmsfield CM2 6SF (GB). **JEWELL, Geraint** [GB/GB]; 1 Hillside Cottages, Sheffield Road, Hathersage, Sheffield S30 1DA (GB).

(74) **LUNT, Mark, George, Francis;** Dibb Lupton Alsop, Fountain Precinct, Balm Green, Sheffield S1 1RZ (GB).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/19972** (13) A2

(21) PCT/GB98/03088

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) en (26) en

- (31) 9721747.5 (32) **15 Oct/oct 1997** (33) GB
(15.10.1997)
- (31) 9721748.3 (32) **15 Oct/oct 1997** (33) GB
(15.10.1997)
- (31) 9801237.0 (32) **22 Jan/jan 1998** (33) GB
(22.01.1998)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02K 41/02**
- (54) ● A LINEAR ELECTROMAGNETIC MACHINE
● MACHINE ELECTROMAGNETIQUE LINEAIRE
- (71) **LINEAR MOTION TECHNOLOGY LLC** [US/US]; Suite 300, 11921 Rockville Pike, Rockville, MD 20852 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **DENNE, Phillip, Michael, Raymond** [GB/GB]; 7 Lyndon Gate, Chine Crescent Road, Bournemouth, Dorset BH2 5LG (GB).
- (74) **BRYER, Kenneth, Robert**; K.R. Bryer & Co., 7 Gay Street, Bath BA1 2PH (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19973** (13) A1
- (21) PCT/GB98/03092
- (22) **15 Oct/oct 1998** (15.10.1998)
- (25) en (26) en
- (31) 9721747.5 (32) **15 Oct/oct 1997** (33) GB
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02K 41/02**
- (54) ● ELECTROMAGNETIC APPARATUS FOR PRODUCING LINEAR MOTION
● APPAREIL ELECTROMAGNETIQUE POUR PRODUIRE UN MOUVEMENT LINEAIRE
- (71) **LINEAR MOTION TECHNOLOGY LLC** [US/US]; Suite 300, 11921 Rockville Pike, Rockville, MD 20852 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **DENNE, Phillip, Raymond, Michael** [GB/GB]; 7 Lyndon Gate, Chine Crescent Road, Bournemouth, Dorset BH2 5LW (GB).
- (74) **BRYER, Kenneth, Robert**; K. R. Bryer & Co., 7 Gay Street, Bath BA1 2PH (GB).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19974** (13) A2
- (21) PCT/US98/21642
- (22) **13 Oct/oct 1998** (13.10.1998)
- (25) en (26) en
- (31) 08/951.174 (32) **15 Oct/oct 1997** (33) US
(15.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02M**
- (54) ● METHOD AND APPARATUS FOR REDUCING POWER LOSS IN POWER CONVERSION CIRCUITRY
● PROCEDE ET DISPOSITIF DE REDUCTION DE LA PERTE DE PUISSANCE DANS DES CIRCUITS DE CONVERSION DE TENSION
- (71) **RELIANCE ELECTRIC INDUSTRIAL COMPANY** [US/US]; 1201 South Second Street, Milwaukee, WI 53204 (US).
- (72) **POND, Robert, J.**; 4198 Eastern Road, Doylestown, OH 44230 (US).
- (74) **WALBRUN, William, R.**; Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53024 (US).
- (81) CA JP MX; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/19975** (13) A1
- (21) PCT/US98/21348
- (22) **8 Oct/oct 1998** (08.10.1998)
- (25) en (26) en
- (31) 08/949.463 (32) **14 Oct/oct 1997** (33) US
(14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02M 3/158**
- (54) ● IC FOR CONTROLLING DUAL INTERLEAVED DC/DC CONVERTERS
● CIRCUIT INTEGRE POUR LA COMMANDE DE DEUX CONVERTISSEURS CC-CC IMBRIQUES
- (71) **MAXIM INTEGRATED PRODUCTS, INC.** [US/US]; 120 San Gabriel Drive, Sunnyvale, CA 94086 (US).
- (72) **SCHAFFER, Gregory, L.**; 10190 Byerly Court, Cupertino, CA 95014 (US).
- (74) **BLAKELY, Roger, W.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025-1026 (US).
- (81) JP SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/19976** (13) A1
- (21) PCT/DE98/02232
- (22) **4 Aug/août 1998** (04.08.1998)
- (25) de (26) de
- (31) 197 45 008.3 (32) **11 Oct/oct 1997** (33) DE
(11.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02M 3/335**
- (54) ● METHOD FOR CONTROLLING THE SWITCHING BEHAVIOUR OF THE ACTUATOR OF A FORWARD CONVERTER, AND FORWARD CONVERTER
● PROCEDE POUR LE CONTROLE DU COMPORTEMENT DE COMMUTATION D'UN ACTIONNEUR D'UN CONVERTISSEUR DIRECT, ET CONVERTISSEUR DIRECT Y RELATIF
- (71) **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **OHMS, Franz** [DE/DE]; Reuteweg 14, D-74420 Oberrot (DE). **MÜCK, Horst** [DE/DE]; Reichenbachstrasse 53, D-70372 Stuttgart (DE).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
- Published / Publiée : (c)
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- (11) **WO 99/19977** (13) A2
- (21) PCT/US98/21005
- (22) **7 Oct/oct 1998** (07.10.1998)
- (25) en (26) en
- (31) 08/948.690 (32) **10 Oct/oct 1997** (33) US
(10.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02M 7/538, 7/5383, H05B 41/29**
- (54) ● CONVERTER/INVERTER FULL BRIDGE BALLAST CIRCUIT
● CIRCUIT DE PROTECTION A PONT INTEGRAL D'INVERSEUR/CONVERTISSEUR
- (71) **ELECTRO-MAG INTERNATIONAL, INC.** [US/US]; 10 Fern Canyon, Laguna Niguel, CA 92677 (US).
- (72) **MOISIN, Mihail, S.**; 8 Druce Street, Brookline, MA 02146 (US).
- (74) **DURKEE, Paul, D.** et al. / etc.; Nutter, McClenen & Fish, LLP, One International Place, Boston, MA 02110-2699 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/19978** (13) A1
- (21) PCT/JP98/04608
- (22) **13 Oct/oct 1998** (13.10.1998)
- (25) ja (26) ja
- (31) 9/280675 (32) **14 Oct/oct 1997** (33) JP
(14.10.1997)
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H02N 1/00, B41J 2/045, 2/055, G02B 5/18, 26/10**
- (54) ● ELECTROSTATIC ACTUATOR AND AN APPARATUS MOUNTED WITH THE SAME
● EXCITATEUR ELECTROSTATIQUE
- (71) **SEIKO EPSON CORPORATION** [JP/JP]; 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KUROSAWA, Ryuichi** [JP/JP]; Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano 392-8502 (JP).
- (74) **KOBAYASHI, Hisao** et al. / etc.; Kimura, Sasaki & Partners, The 6th Central Building, 6th floor, 19-10, Toranomon 1-chome, Minato-ku, Tokyo 105-0001 (JP).

(81) JP US.

(11) **WO 99/19979** (13) A1

(21) PCT/JP98/04590

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) ja (26) ja

(31) 9/280925 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP(31) 9/358074 (32) **25 Dec/déc 1997 (25.12.1997)** (33) JP(31) 10/42543 (32) **24 Feb/fév 1998 (24.02.1998)** (33) JP(31) 10/249329 (32) **3 Sep/sep 1998 (03.09.1998)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02N 11/00**

(54) ● POWER GENERATING BLOCK PROVIDED WITH THERMOELECTRIC GENERATION UNIT

● BLOC GENERATEUR DE PUISSANCE DOTE D'UNE UNITE DE GENERATEUR THERMOELECTRIQUE

(71) **SEIKO INSTRUMENTS INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **SEIKO INSTRUMENTS R & D CENTER INC.** [JP/JP]; 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). *(for all designated States except / pour tous les États désignés sauf US)*(72, 75) **KOTANAGI, Susumu** [JP/JP]; Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **MATOGE, Akhiro** [JP/JP]; Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **YOSHIDA, Yoshifumi** [JP/JP]; Seiko Instruments R & D Center Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **UTSUNOMIYA, Fumiyasu** [JP/JP]; Seiko Instruments R & D Center Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP). **KISHI, Matsuo** [JP/JP]; Seiko Instruments R & D Center Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507 (JP).(74) **HAYASHI, Keinosuke**; 1493, Sendabori, Matsudo-shi, Chiba 270-2252 (JP).

(81) US; EP (CH DE FR GB IT).

(11) **WO 99/19980** (13) A1

(21) PCT/JP98/04567

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) ja (26) ja

(31) 9/277693 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H02P 6/08**

(54) ● UNIT AND METHOD OF DRIVING WITH MOTOR, AND APPARATUS FOR RECORDING AND/OR REPRODUCING RECORDING MEDIUM

● UNITE ET PROCEDE D'ENTRAINEMENT PAR MOTEUR, ET APPAREIL PERMETTANT D'ENREGISTRER ET/OU DE REPRODUIRE UN SUPPORT D'ENREGISTREMENT

(71) **SONY CORPORATION** [JP/JP]; 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). *(for all designated States except / pour tous les États désignés sauf US)*(72, 75) **ARAI, Toshiyuki** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **KUSHIMA, Tatsuya** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **KATO, Tomonori** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **NAKAJIMA, Ichiro** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP).(74) **KOIKE, Akira** et al. / etc.; No. 11 Mori Building, 6-4, Toranomon 2-chome, Minato-ku, Tokyo 105-0001 (JP).

(81) CN US VN.

(11) **WO 99/19981** (13) A1

(21) PCT/US98/21324

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/950,874 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H03B 5/12, 5/18**

(54) ● DUAL BAND VOLTAGE CONTROLLED OSCILLATOR

● OSCILLATEUR DOUBLE BANDE COMMANDE EN TENSION

(71) **MOTOROLA INC.** [US/US]; 1303 East Algonquin Road, Schaumburg, IL 60196 (US).(72) **SNIDER, James, R.**; 1840 D Fox Run Drive, Elk Grove Village, IL 60007 (US). **REESER, Glen, O.**; 214 N. Bothwell, Palatine, IL 60067 (US).(74) **MANCINI, Brian, M.** et al. / etc.; Motorola Inc., Intellectual Property Dept., 1303 East Algonquin Road, Schaumburg, IL 60196 (US).

(81) CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/19982** (13) A1

(21) PCT/US98/21343

(22) **12 Oct/oct 1998 (12.10.1998)**

(25) en (26) en

(31) 60/062,364 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H03H 7/01**

(54) ● SURFACE MOUNT LC FILTER WITH POLYMER LAYERS

● FILTRE LC MONTE EN SURFACE A COUCHES POLYMERES

(71) **AVX CORPORATION** [US/US]; 801 17th Avenue South, Myrtle Beach, SC 29578 (US).(72) **GOLDBERGER, Haim**; Nahal Snir Street 31, 71700 Modi'in (IL). **REFAELY, Isaac**; Emek Dotan Street 84, 71700 Modi'in (IL). **ELRON, Ehud**; Shikun Harhel 10, 96223 Jerusalem (IL).(74) **KILLEN, Craig, N.** et al. / etc.; Dority & Manning, P.A., P.O. Box 1449, Greenville, SC 29602-1449 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19983** (13) A1

(21) PCT/US98/20227

(22) **25 Sep/sep 1998 (25.09.1998)**

(25) en (26) en

(31) 08/950,698 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H03K 7/06**

(54) ● SINGLE SUPPLY VOLTAGE TO FREQUENCY CONVERTER OPTIMIZED FOR LOW VOLTAGE SENSING ABOVE AND BELOW GROUND

● ALIMENTATION UNIQUE D'UN CONVERTISSEUR TENSION/FREQUENCE, SOURCE OPTIMISEE POUR LA DETECTION DE BASSE TENSION SUR ET SOUS TERRE

(71) **MAXIM INTEGRATED PRODUCTS, INC.** [US/US]; 120 San Gabriel Drive, Sunnyvale, CA 94086 (US).(72) **MADER, Urs, H.**; 866 Acacia Avenue, Sunnyvale, CA 94086 (US).(74) **BLAKELY, Roger, W.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025-1026 (US).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/19984** (13) A1

(21) PCT/DE98/02704

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) de (26) de

(31) 197 44 918.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H03K 17/0812**

(54) ● CIRCUIT AND METHOD FOR LIMITING THE AMPLITUDE OF AN ALTERNATING VOLTAGE

● CIRCUIT ET PROCEDE POUR LA LIMITATION DE L'AMPLITUDE D'UNE TENSION ALTERNATIVE

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE). *(for all designated States except / pour tous les États désignés sauf US)*(72, 75) **BITENC, Bostjan** [DE/DE]; Heimgartens-trasse 20, D-82110 Germering (DE).(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D-80506 München (DE).

(81) CN GB ID US.

- (11) **WO 99/19985** (13) A1
 (21) PCT/US98/20902
 (22) **5 Oct/oct 1998 (05.10.1998)**
 (25) en (26) en
 (31) 08/951,139 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H03L 7/00, 7/16**
 (54) ● EXTERNALLY-SYNCHRONIZED VOLTAGE-CONTROLLED OSCILLATOR IN PHASE LOCKED LOOP
 ● OSCILLATEUR ACCORDE PAR TENSION, SYNCHRONISE DE L'EXTERIEUR, DANS UNE BOUCLE A PHASE ASSERVIE
 (71) **ZILOG, INC.** [US/US]; 910 East Hamilton Avenue, Campbell, CA 95008 (US).

- (72) **TSYRGANOVICH, Anatoliy, V.**; 906 Windsor Hills Circle, San Jose, CA 95123 (US).
 (74) **PARSONS, Gerald, P.** et al. / etc.; Majestic, Parsons, Siebert & Hsue P.C., Suite 1100, Four Embarcadero Center, San Francisco, CA 94111-4106 (US).
 (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19986** (13) A1
 (21) PCT/US98/21527
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 60/062,426 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (31) 09/168,369 (32) **6 Oct/oct 1998 (06.10.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H03L 7/085**
 (54) ● FREQUENCY DETECTOR
 ● DETECTEUR DE FREQUENCE
 (71) **ANALOG DEVICES, INC.** [US/US]; One Technology Way, Norwood, MA 02062-9106 (US).
 (72) **CROUGHWELL, Rosamaria**; 62 Chippy Lane, Methuen, MA 01844 (US).
 (74) **SHARKANSKY, Richard, M.**; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).
 (81); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19987** (13) A1
 (21) PCT/US98/21889
 (22) **16 Oct/oct 1998 (16.10.1998)**
 (25) en (26) en
 (31) 08/951,650 (32) **16 Oct/oct 1997 (16.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H03L 7/197**
 (54) ● PHASE-LOCKED LOOP AND METHOD FOR AUTOMATICALLY LOCKING TO A VARIABLE INPUT FREQUENCY

- BOUCLE A VERROUILLAGE DE PHASE ET PROCEDE SERVANT A VERROUILLER AUTOMATICQUEMENT CETTE BOUCLE SUR UNE FREQUENCE D'ENTREE VARIABLE
 (71) **OASIS DESIGN, INC.** [US/US]; Building B, Suite 100, 1101 South Capital of Texas Highway, Austin, TX 78746 (US).
 (72) **KNAPP, David, J.**; 705 Lost Canyon, Austin, TX 78746 (US). **TRAGER, David, S.**; Apartment 332, 2204 Barton Skyway, Austin, TX 78746 (US). **SUSANTO, Tony**; 12018 Cherie Drive, Austin, TX 78758 (US). **HARRIS, Larry, L.**; 4405 Knob Oak, Austin, TX 78735 (US).
 (74) **DAFFER, Kevin, L.**; Conley, Rose & Tayon, P.C., P.O. Box 398, Austin, TX 78767-0398 (US).
 (81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/19988** (13) A2
 (21) PCT/US98/19451
 (22) **17 Sep/sep 1998 (17.09.1998)**
 (25) en (26) en
 (31) 08/948,534 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04B**
 (54) ● METHOD AND SYSTEM FOR NETWORK ACCESS OVER A LOW BANDWIDTH LINK
 ● PROCEDE ET SYSTEME POUR ACCEDER AU RESEAU AU MOYEN D'UNE LIAISON A FAIBLE LARGEUR DE BANDE
 (71) **INFOGEAR TECHNOLOGY CORPORATION** [US/US]; Suite 200, 2055 Woodside Road, Redwood City, CA 94061 (US).
 (72) **BENDELAC, Chaim**; Yekutiel Adam Street 1b, 44282 Kfar-Saba (IL). **BITTMAN, Ran, M.**; Hakneset Hagdola Street 20, 62917 Tel Aviv (IL). **SAMBURSKI, Kobi**; Ig'al Alon Street 30b, 46324 Herzliya (IL).
 (74) **GLENN, Michael, A.** et al. / etc.; Law Offices of Michael A. Glenn, P.O. Box 7831, Menlo Park, CA 94026 (US).
 (81) AL AU BA BB BG BR CA CN CU CZ EE GE HR HU ID IL IS JP KR KP LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19989** (13) A1

- (21) PCT/US98/20301
 (22) **29 Sep/sep 1998 (29.09.1998)**
 (25) en (26) en
 (31) 08/950,217 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04B 1/38, 10/00, 9/00**
 (54) ● METHOD AND SYSTEM FOR LINE ISOLATION
 ● PROCEDE ET SYSTEME PERMETTANT D'ISOLER UNE LIGNE

- (71) **3COM CORPORATION** [US/US]; 5400 Bayfront Plaza, Santa Clara, CA 95052 (US).
 (72) **PRICE, Tim, Urry**; 568 East Water Lily Drive, Salt Lake City, UT 84106 (US).
 (74) **KRIEGER, Michael, F.** et al. / etc.; Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, UT 84111 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19990** (13) A2

- (21) PCT/FI98/00786
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) fi (26) en
 (31) 973918 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FI
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04B 1/40**
 (54) ● COMPENSATION OF DELAY IN LINEARIZATION LOOP OF POWER AMPLIFIER
 ● COMPENSATION DE TEMPORISATION DANS UNE BOUCLE DE LINEARISATION D'UN AMPLIFICATEUR DE PUISSANCE
 (71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (for all designated States except / pour tous les États désignés sauf US)
 (72, 75) **PELLONPERÄ, Marko** [FI/FI]; Hämeenpuisto 42 B 52, FIN-33200 Tampere (FI).
 (74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).
 (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/19991** (13) A1

- (21) PCT/US98/21855
 (22) **14 Oct/oct 1998 (14.10.1998)**
 (25) en (26) en
 (31) 60/061,940 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (31) 09/127,087 (32) **31 Jul/juil 1998 (31.07.1998)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04B 1/40**

- (54) ● DIGITAL RADIO-FREQUENCY TRANSCEIVER
● EMETTEUR RECEPTEUR DE RADIOFREQUENCE NUMERIQUE
- (71) **ALATION** [US/US]; 706 Winslow Street, Redwood City, CA 94063 (US).
- (72) **BEARD, Paul, F.**; 1657 Country Club Drive, Milpitas, CA 95035 (US).
- (74) **SOBON, Wayne, P.**; Fish & Richardson P.C., Suite 100, 2200 Sand Hill Road, Menlo Park, CA 94025 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19992** (13) A1
(21) PCT/US98/21466
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 60/061,698 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 1/707, 7/216**
- (54) ● MULTI-LAYERED PN CODE SPREADING IN A MULTI-USER COMMUNICATIONS SYSTEM
● ETALEMENT DU CODE DE PSEUDO-BRUIT MULTICOUCHE DANS UN SYSTEME DE TELECOMMUNICATIONS MULTI-UTILISATEUR
- (71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).
- (72) **HARMS, Brian**; 3309 Barbatos Place, Boulder, CO 80301 (US). **BUTLER, Brian**; 8736 Glenwick Lane, La Jolla, CA 92037 (US). **SKINNER, Gordon** (deceased / décédé).
- (74) **OGROD, Gregory, D.**; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19993** (13) A1
(21) PCT/SE98/01803
(22) **6 Oct/oct 1998 (06.10.1998)**
(25) en (26) en
(31) 08/950,068 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 1/713**

- (54) ● METHOD AND APPARATUS FOR THE GENERATION OF FREQUENCY HOPPING SEQUENCES
● PROCEDE ET APPAREIL PERMETTANT DE GENERER DES SEQUENCES DE SAUTS DE FREQUENCES
- (71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **HAARTSEN, Jacobus**; Doddegras 29, NL-7623 DK Borne (NL).
- (74) **ERICSSON MOBILE COMMUNICATIONS AB**; Patent Unit, S-164 80 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19994** (13) A2
(21) PCT/US98/21681
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/949,412 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 7/00**
- (54) ● CODING SYSTEM AND METHOD FOR LOW-EARTH ORBIT SATELLITE DATA COMMUNICATION
● SYSTEME ET PROCEDE DE CODAGE POUR COMMUNICATIONS DE DONNEES PAR SATELLITE EN ORBITE BASSE
- (63) US 08/949,412 (CON)
14 Oct/oct 1997 (14.10.1997)
- (71) **TELEDESIC LLC** [US/US]; 2300 Carillon Point, Kirkland, WA 98033 (US).
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- (74) **KINDNESS, Gary, S.**; Christensen O'Connor Johnson & Kindness PLLC, Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101 (US).
- (81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19995** (13) A1
(21) PCT/US98/21253
(22) **5 Oct/oct 1998 (05.10.1998)**
(25) en (26) en
(31) 60/062,819 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US
- (31) 60/062,821 (32) **13 Oct/oct 1997 (13.10.1997)** (33) US
- (31) 09/164,384 (32) **30 Sep/sep 1998 (30.09.1998)** (33) US

- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 7/005**
- (54) ● APPARATUS AND METHOD FOR OPTIMIZED POWER CONTROL
● APPAREIL ET PROCEDE ASSURANT UNE COMMANDE DE PUISSANCE OPTIMISEE
- (71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).
- (72) **VEMBU, Sridhar**; 750 N. Shoreline Boulevard #3, Mountain View, CA 94043 (US).
- (74) **OGROD, Gregory, D.**; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/19996** (13) A1
(21) PCT/EP98/04700
(22) **27 Jul/juil 1998 (27.07.1998)**
(25) de (26) de
(31) 197 45 573.5 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 7/185**
- (54) ● DATA TRANSMISSION SYSTEM BASED ON COMBINED SHORTWAVE-SATELLITE TRANSMISSION
● SYSTEME DE TRANSMISSION D'INFORMATIONS FONDE SUR LA TRANSMISSION COMBINEE ONDES COURTES-SATELLITE
- (71) **ROHDE & SCHWARZ GMBH & CO. KG** [DE/DE]; Mühlhofstrasse 15, D-81671 München (DE).
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- (72, 75) **KNEIDEL, Thomas** [DE/DE]; Adalbert-Stifter-Ring 24, D-82256 Fürstfeldbruck (DE).
- (74) **GRAF, Walter**; Mitscherlich & Partner, Sonnensstrasse 33, D-80331 München (DE).
- (81) US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/19997** (13) A1
(21) PCT/US98/21207
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 08/946,746 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04B 7/185, H04Q 7/38**
- (54) ● LOCATION BARRING FOR SATELLITE-BASED NETWORKS
● EXCLUSION DEPENDANT DE L'EMPLACEMENT POUR RESEAUX SATELLITE

- (71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).
- (72) **VALENTINE, Eric**; 1600 Brazos Trail, Plano, TX 75075 (US). **BOLTZ, David**; 901 Lochness Lane, Garland, TX 75044 (US).
- (74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19998** (13) A1
(21) PCT/US98/21691
(22) **15 Oct/oct 1998 (15.10.1998)**
(25) en (26) en
(31) 08/951,133 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **H04B 7/185**
- (54) ● **SATELLITE SYSTEM UTILIZING A PLURALITY OF AIR INTERFACE STANDARDS AND METHOD EMPLOYING SAME**
● **SYSTEME PAR SATELLITE UTILISANT PLUSIEURS NORMES D'INTERFACE AERIENNES ET PROCEDE D'UTILISATION DE CE SYSTEME**

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **KARABINIS, Peter, D.**; 101 Chalon Drive, Cary, NC 27511 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/19999** (13) A1
(21) PCT/US98/21707
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/950,693 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)

- (51)⁶ **H04B 7/185, H04Q 7/24**
- (54) ● **REMOTE CONNECTION CONTROL USING A TUNNELING PROTOCOLS**
● **COMMANDE DES CONNEXIONS DISTANTES RECOURANT A DES PROTOCOLES DE TUNNELING**

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **VALENTINE, Eric**; 1600 Brazos Trail, Plano, TX 75075 (US). **COYNE, Michael**; Bleckholmstorget 22, Lag 2205, S-111 64 Stockholm (SE).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/20000** (13) A2
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(31) 97203219.7 (32) **16 Oct/oct 1997 (16.10.1997)** (33) EP
(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04B 7/26, H04J 3/00**

- (54) ● **A METHOD OF AND A SYSTEM FOR VOICE AND DATA RADIO COMMUNICATION PROVIDING IMPROVED INTERFERENCE DIVERSITY**
● **PROCEDE ET SYSTEME DE COMMUNICATION PAR RADIO DE VOIX ET DE DONNEES PERMETTANT UNE MEILLEURE DIVERSITE D'INTERFERENCES**

(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
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(74) **VAN KAN, J., J., H.**; Algemeen Octrooibureau, World Trade Center, Pastoor Petersstraat 160, NL-5612 LV Eindhoven (NL).

- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/20001** (13) A1
(21) PCT/US98/21778
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 60/061,943 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(31) 09/172,742 (32) **14 Oct/oct 1998 (14.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04B 7/26, G01R 23/20, H04Q 7/38**

- (54) ● **METHODS AND APPARATUS FOR MEASURING NONLINEAR EFFECTS IN A COMMUNICATION SYSTEM AND FOR SELECTING CHANNELS ON THE BASIS OF THE RESULTS**
● **PROCEDE ET APPAREIL DE MESURE DES EFFETS NON LINEAIRES DANS UN SYSTEME DE TELECOMMUNICATIONS ET DE SELECTION DE CANAUX SUR LA BASE DES RESULTATS**

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, Ca 92121 (US).

(72) **SILBERGER, Amnon**; 8779 Gilman Drive #A, La Jolla, CA 92037 (US). **BUTLER, Brian**; 8736 Glenwick Lane, La Jolla, CA 92037 (US). **SCHIFF, Leonard**; 13689 Winstanley Way, San Diego, CA 92130 (US).

(74) **OGROD, Gregory, D.**; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).

- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/20002** (13) A1
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(22) **5 Oct/oct 1998 (05.10.1998)**
(25) ja (26) ja
(31) 9/293593 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04B 10/10**

- (54) ● **SPACE OPTICAL TRANSMISSION APPARATUS AND SPACE OPTICAL TRANSMISSION METHOD**
● **DISPOSITIF D'EMISSION OPTIQUE SPATIALE ET METHODE AFFERENTE**

(71) **SEIKO EPSON CORPORATION** [JP/JP]; 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811 (JP).
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(74) **INOUE, Hajime** et al. / etc.; Ogikubo TM Building, 2nd floor, 26-13, Ogikubo 5-chome, Suginami-ku, Tokyo 167-0051 (JP).

(81) CN KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20003** (13) A1
(21) PCT/DE98/01965
(22) **14 Jul/juil 1998 (14.07.1998)**
(25) de (26) de
(31) 197 45 466.6 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04B 10/155

(54) ● OPTICAL EMITTER HAVING A MODULABLE LASER SOURCE WITH STABLE WAVELENGTH

● EMETTEUR OPTIQUE POURVU D'UNE SOURCE LASER MODULABLE A LONGUEUR D'ONDE STABLE

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(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/20004 (13) A1

(21) PCT/US98/17743

(22) 26 Aug/août 1998 (26.08.1998)

(25) en (26) en

(31) 973919 (32) 9 Oct/oct 1997 (09.10.1997) (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04B 14/06

(54) ● SIGNAL PROCESSING METHOD AND DEVICE
● PROCEDE ET DISPOSITIF DE TRAITEMENT DE SIGNAUX

(71) ATMEL CORPORATION [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US).
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(81) CA CN JP KR NO SG US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/20005 (13) A2

(21) PCT/US98/21252

(22) 5 Oct/oct 1998 (05.10.1998)

(25) en (26) en

(31) 60/062,819 (32) 13 Oct/oct 1997 (13.10.1997) (33) US

(31) 60/062,821 (32) 13 Oct/oct 1997 (13.10.1997) (33) US

(31) 09/164,383 (32) 30 Sep/sep 1998 (30.09.1998) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04B 70/05

(54) ● APPARATUS AND METHOD FOR SELECTING POWER CONTROL MODES
● APPAREIL ET PROCEDE DE SELECTION DES MODES DE COMMANDE DE PUISSANCE

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(72) VEMBU, Sridhar; 750 N. Shoreline Boulevard #3, Mountain View, CA 94043 (US).

(74) OGDOD, Gregory, D.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/20006 (13) A2

(21) PCT/US98/20898

(22) 1 Oct/oct 1998 (01.10.1998)

(25) en (26) en

(31) 08/949,563 (32) 14 Oct/oct 1997 (14.10.1997) (33) US

(31) 09/031,156 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(31) 09/031,116 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(31) 09/031,439 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(31) 09/031,112 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(31) 09/031,447 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(31) 09/031,444 (32) 26 Feb/fév 1998 (26.02.1998) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04H

(54) ● SINGLE-CHIP AUDIO CIRCUITS, METHODS, AND SYSTEMS USING THE SAME
● CIRCUITS AUDIO MONOCE, PROCEDES ET SYSTEMES UTILISANT LESDITS CIRCUITS

(71) CRYSTAL SEMICONDUCTOR CORP. [US/US]; 4210 South Industrial Drive, Austin, TX 78744 (US).

(72) MALCOLM, Ronald, D., Jr.; 3706 Middle Earth Trail, Austin, TX 78739 (US). KLAAS, Jeff; 2201 Warfield Way, Austin, TX 78728 (US). GENTRY, Mark; 6656 Ruxton Lane, Austin, TX 78745 (US). MATTHEWS, Phillip; 1232 Strickland Drive, Austin, TX 78748 (US).

(74) SHAW, Steven, A.; Cirrus Logic, Inc., 3100 West Warren, MS-521, Fremont, CA 94538-6419 (US) et al. / etc.

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/20007 (13) A1

(21) PCT/US98/21746

(22) 6 Oct/oct 1998 (06.10.1998)

(25) en (26) en

(31) 08/947,902 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04H 1/00, H04L 1/02, 27/26, H04B 7/12

(54) ● A SYSTEM AND METHOD FOR MITIGATING INTERMITTENT INTERRUPTIONS IN AN AUDIO RADIO BROADCAST SYSTEM

● SYSTEME ET PROCEDE ATTENUANT LES INTERRUPTIONS INTERMITTENTES DANS UN SYSTEME D'EMISSIONS RADIO

(71) USA DIGITAL RADIO, INC. [US/US]; 8865 Stanford Boulevard, Columbia, MD 21045 (US).

(72) KROEGER, Brian, William; 12813 Amberwoods Way, Sykesville, MD 21784 (US). STEHLIK, Roy, Ronald; 7545 Murray Hill Road 346, Columbia, MD 21046 (US).

(74) LENART, Robert, L. et al. / etc.; CBS Corporation, Law Dept., 11 Stanwix Street, Pittsburgh, PA 15222-1384 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/20008 (13) A1

(21) PCT/US98/18414

(22) 3 Sep/sep 1998 (03.09.1998)

(25) en (26) en

(31) 08/948,760 (32) 10 Oct/oct 1997 (10.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04H 1/02

(54) ● SYSTEM FOR COLLECTING TELEVISION PROGRAM DATA

● SYSTEME DE COLLECTE DE DONNEES RELATIVES A UN PROGRAMME DE TELEVISION

(71) PREVUE INTERNATIONAL, INC. [US/US]; 7140 South Lewis Avenue, Tulsa, OK 74136 (US).

(72) RECTOR, Earl, M., Jr.; 3727 East 4th Street, Tulsa, OK 74112 (US). HEIN, William; 151 Indiantown Road, Glenmore, PA 19343-1412 (US). KECK, Connie, S.; 3405 South 136th Avenue, Tulsa, OK 74134 (US). PAUL, Indraneel; 6935 East 116th Street, Bixby, OK 74008 (US).

(74) TREYZ, G., Victor et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/20009 (13) A1

(21) PCT/US98/09992

(22) 15 May/mai 1998 (15.05.1998)

(25) en (26) en

(31) 08/948,270 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04J 3/16

- (54) ● RATE CONTROL OF CHANNELS ON A TIME DIVISION MULTIPLEX BUS
● COMMANDE DU DEBIT DE VOIE DANS UN BUS MULTIPLEX A REPARTITION DANS LE TEMPS

(71) TIMEPLEX, INC. [US/US]; 400 Chestnut Ridge Road, Woodcliff Lake, NJ 07675 (US).

(72) SOLOMON, David; 561 Dorchester Drive, River Vale, NJ 07675 (US).

(74) OSTROFF, Irwin; Ostroff & Associates, 3 Lackawanna Boulevard, Murray Hill, NJ 07974 (US).

(81) AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NO NZ PL PT RO RU SD SE SK UA UZ VN; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) WO 99/20010 (13) A1

(21) PCT/US98/21436

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) 60/062,144 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(31) Not furnished / (32) 8 Oct/oct 1998 (08.10.1998) (33) US
non communiqué

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04J 3/16, 3/22

- (54) ● VARIABLE BANDWIDTH COMMUNICATION SYSTEMS AND METHODS
● SYSTEMES DE COMMUNICATION A LARGEUR DE BANDE VARIABLE ET PROCEDES DE COMMUNICATION

(71) INTERVAL RESEARCH CORPORATION [-/US]; Building C, 1801 Page Mill Road, Palo Alto, CA 94034 (US).

(72) HINDUS, Debby; MAINWARING, Scott, D.; PEDERSEN, Elin; WHITE, Sean, Michael; GAVNER, William

(74) HICKMAN, Paul, L.; Hickman & Martine, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) WO 99/20011 (13) A1

(21) PCT/DE98/02997

(22) 9 Oct/oct 1998 (09.10.1998)

(25) de (26) de

(31) 197 45 789.4 (32) 16 Oct/oct 1997 (16.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04J 13/02, H04B 7/26, 7/005

(54) ● METHOD AND RADIO STATION FOR TRANSMITTING DATA

- PROCEDE ET STATION RADIO POUR TRANSMETTRE DES DONNEES

(71) SIEMENS AKTIENGESELLSCHAFT [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) BAHRENBURG, Stefan [DE/DE]; Drygalski Allee 118, D-81477 München (DE). BAIER, Paul, Walter [DE/DE]; Burgunder Strasse 6, D-67661 Kaiserslautern (DE). EMMER, Dieter [DE/DE]; Geschwister Scholl Ring 10, D-82110 Germering (DE). SCHLEE, Johannes [DE/DE]; Wachtelstrasse 6, D-67657 Kaiserslautern (DE). WEBER, Tobias [DE/DE]; Konrad-Adenauer-Strasse 34, D-67731 Otterbach (DE). MAYER, Jürgen [DE/DE]; Mutterstadter Strasse 82a, D-67105 Schifferstadt (DE).

(74) SIEMENS AG; Postfach 22 16 34, D-80506 München (DE).

(81) AU BR CA CN HU ID IL JP KR MX NO PL RU UA US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) WO 99/20012 (13) A1

(21) PCT/DE98/01964

(22) 14 Jul/juil 1998 (14.07.1998)

(25) de (26) de

(31) 197 44 737.6 (32) 10 Oct/oct 1997 (10.10.1997) (33) DE

(31) 197 46 578.1 (32) 22 Oct/oct 1997 (22.10.1997) (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04J 14/02, H04B 10/213

(54) ● TRANSMISSION SYSTEM FOR CARRYING OUT A WAVELENGTH DIVISION MULTIPLEX METHOD

- RESEAU DE TRANSMISSION POUR MISE EN OEUVRE D'UN PROCEDE A MULTIPLEXAGE EN LONGUEUR D'ONDE

(71) ROBERT BOSCH GMBH [DE/DE]; Postfach 30 02 20, D-70442 Stuttgart (DE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) SCHUNK, Nikolaus [DE/DE]; Sohlfeld 32, D-31139 Hildesheim (DE).

(81) JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) WO 99/20013 (13) A2

(21) PCT/US98/21218

(22) 8 Oct/oct 1998 (08.10.1998)

(25) en (26) en

(31) 08/948,144 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(31) 09/118,414 (32) 17 Jul/juil 1998 (17.07.1998) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04K

(54) ● POINT-OF-SALE SYSTEM AND METHOD FOR THE MANAGEMENT OF GROUP REWARDS

● SYSTEME DE GESTION DE VENTE ET PROCEDE DE GESTION DE RECOMPENSES POUR GROUPES

(71) WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP [US/US]; Four High Ridge Park, Stamford, CT 06905-1324 (US).

(72) WALKER, Jay, S.; 124 Spectacle Lane, Ridgefield, CT 06877 (US). TEDESCO, Daniel, E.; Apartment 6, 192 Park Street, New Canaan, CT 06840 (US). VAN LUCHENE, Andrew, S.; 9 Greenwood Place, Norwalk, CT 06854 (US).

(74) RATTNER, Charles, A. et al. / etc.; Walker Digital Corporation, Intellectual Property Dept., Five High Ridge Park, Stamford, CT 06905-1326 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/20014 (13) A2

(21) PCT/SE98/01843

(22) 13 Oct/oct 1998 (13.10.1998)

(25) en (26) en

(31) 08/950,062 (32) 14 Oct/oct 1997 (14.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04L

(54) ● A SYSTEM FOR TRANSFER OF DATA

- SYSTEME DE TRANSMISSION DE DONNEES

(71) NOVEMAIL SYSTEM AB [SE/SE]; Celsiusgatan 8, S-417 62 Göteborg (SE).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) FORSÉN, Mats [SE/SE]; Börsåsgatan 24, S-422 44 Hisingbacka (SE).

(74) HANSSON THYRESSON PATENTBYRÅ AB; P.O. Box 73, S-201 20 Malmö (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) WO 99/20015 (13) A2

(21) PCT/US98/21379

(22) 9 Oct/oct 1998 (09.10.1998)

(25) en (26) en

(31) 60/061,437 (32) 9 Oct/oct 1997 (09.10.1997) (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ H04L 1/00

(54) ● ADAPTABLE OVERLAYS FOR FORWARD ERROR CORRECTION SCHEMES BASED ON TRELLIS CODES

- RECOUVREMENTS ADAPTABLES POUR SCHEMAS DE CORRECTION AVAL D'ERREURS SUR LA BASE DE CODES EN TREILLIS
- (71) **HUGHES ELECTRONICS CORPORATION** [-/US]; Building 001, M/S A109, 200 N. Sepulveda Boulevard, P.O. Box 956, El Segundo, CA 92045-0956 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **HAMMONS, A., Roger, Jr.** [-/US]; 14074 Saddle River Drive, North Potomac, MD 20878 (US). **YEH, Ernest** [-/US]; 212 Garth Terrace, Gaithersburg, MD 20879 (US).
- (74) **WHELAN, John, T.**; Hughes Electronics Corporation, Building 001, M/S A109, 200 N. Sepulveda Boulevard, P.O. Box 956, El Segundo, CA 92045-0946 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20016** (13) A1
(21) PCT/US98/21854
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/950,028 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 1/12, 27/34, H04B 7/005**
- (54) ● METHOD AND APPARATUS FOR MAINTAINING A PREDEFINED TRANSMISSION QUALITY IN A WIRELESS MAN NETWORK
● PROCEDE ET APPAREIL DE MAINTIEN D'UNE QUALITE DE TRANSMISSION PREDEFINIE DANS UN RESEAU SANS FIL POUR UNE ZONE URBAINE
- (71) **WINNET MCS, INC.** [US/US]; 635 Vaqueros Avenue, Sunnyvale, CA 94086 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **LE-NGOC, Tho** [CA/CA]; 8221 Du Mail, Anjou, Quebec H1K 125 (CA).
- (74) **HAVERSTOCK, Thomas, B.** et al. / etc.; Haverstock & Owens LLP, Suite 420, 260 Sheridan Avenue, Palo Alto, CA 94306 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/20017** (13) A1
(21) PCT/FR98/02179
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) fr (26) fr
(31) 97/12763 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FR
- (43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 1/20, H04H 1/00**
- (54) ● METHOD AND SYSTEM FOR ASSESSING, AT RECEPTION LEVEL, THE QUALITY OF A DIGITAL SIGNAL, SUCH AS A DIGITAL AUDIO/VIDEO SIGNAL
● PROCEDE ET SYSTEME D'EVALUATION, A LA RECEPTION, DE LA QUALITE D'UN SIGNAL NUMERIQUE, TEL QU'UN SIGNAL AUDIO/VIDEO NUMERIQUE
- (71) **TELEDIFFUSION DE FRANCE** [FR/FR]; 10, rue d'Oradour-sur-Glane, F-75015 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **MASSE, Denis** [FR/FR]; 19, rue des Chesnois, F-57580 Rosselange (FR). **BAÏNA, Jamal** [FR/FR]; 16, rue du Dr. Bernheim, F-54000 Nancy (FR).
- (74) **FRECHEDE, Michel**; Cabinet Plasseraud, 84, rue d'Amsterdam, F-75440 Paris Cedex 09 (FR).
- (81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- Published / Publiée : (c)
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- (11) **WO 99/20018** (13) A1
(21) PCT/FR98/02169
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) fr (26) fr
(31) 97/12683 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FR
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 9/06**
- (54) ● NOVEL DIGITAL CRYPTOGRAPHY METHOD BY SELECTOR BOX
● NOUVEAU PROCEDE DE CRYPTOGRAPHIE NUMERIQUE PAR BOITE DE MELANGE
- (71) **COMPAGNIE DES SIGNAUX** [FR/FR]; 29, rue Galilée, F-75116 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **VAUDENAY, Serge** [FR/FR]; 11, rue des Acaacias, F-91220 Brétigny sur Orge (FR). **STERN, Jacques** [FR/FR]; 7, rue Pierre Nicole, F-75005 Paris (FR). **SABBAN, Daniel** [FR/FR]; 39, allée Pierre et Marie Curie, F-93320 Les Pavillons sous Bois (FR).
- (74) **CABINET MALEMONT**; 42, avenue du Président Wilson, F-75116 Paris (FR).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/20019** (13) A1
(21) PCT/US98/10345
(22) **21 May/mai 1998 (21.05.1998)**
(25) en (26) en
(31) 08/949,027 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 9/22**
- (54) ● METHOD AND APPARATUS FOR GENERATING A STREAM CIPHER
● PROCEDE ET APPAREIL DESTINES A CREER UN CHIFFREMENT A CHAINE
- (71) **INTERDIGITAL TECHNOLOGY CORPORATION** [US/US]; Suite 535, 300 Delaware Avenue, Wilmington, DE 19801 (US).
- (72) **OZLUTURK, Fatih, M.**; 1474 Middle Neck Road, Port Washington, NY 11050 (US).
- (74) **VOLPE, Anthony, S.** et al. / etc.; Volpe and Koenig, P.C., 400 One Penn Center, 1617 John F. Kennedy Boulevard, Philadelphia, PA 19103 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
-
- (11) **WO 99/20020** (13) A1
(21) PCT/CA98/00959
(22) **14 Oct/oct 1998 (14.10.1998)**
(25) en (26) en
(31) 08/949,781 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 9/30**
- (54) ● KEY VALIDATION SCHEME
● PROCEDE DE VALIDATION DE CLES
- (71) **CERTICOM CORP.** [CA/CA]; Suite 103, 200 Matheson Boulevard, West, Mississauga, Ontario L5R 3L7 (CA).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **JOHNSON, Donald, B.** [US/US]; 7684 Knightshayes Drive, Manassas, VA 20111 (US).
- (74) **ORANGE CHARI PILLAY**; Toronto Dominion Bank Tower, Toronto-Dominion Centre, Suite 3600, P.O. Box 190, Toronto, Ontario M5K 1H6 (CA).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- Published / Publiée : (c)
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- (11) **WO 99/20021** (13) A2
(21) PCT/FI98/00789
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) fi (26) en
(31) 973933 (32) **10 Oct/oct 1997 (10.10.1997)** (33) FI
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04L 12/56**
- (54) ● SPEECH TRANSMISSION BETWEEN TERMINALS IN DIFFERENT NETWORKS
● TRANSMISSION DE SIGNAUX VOCAUX ENTRE TERMINAUX ET DIFFERENTS RESEAUX
- (71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAEGGSTRÖM, Johan** [FI/FI]; Alberganesplanadi 2 A 28, FIN-02600 Espoo (FI).

(74) **PATENT AGENCY COMPATENT LTD.**; Teollisuuskatu 33, P.O. Box 156, FIN-00511 Helsinki (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20022** (13) A1

(21) PCT/US98/20921

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,687 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04L 12/66, 29/06, H04M 11/06, H04L 5/08**

(54) ● VIRTUAL GATEWAY SYSTEM AND METHOD
● SYSTEME ET PROCEDE VIRTUELS DE COMMUNICATION INTERRESEAU

(71) **TRAVERTINE SYSTEMS, INC.** [US/US]; 870 West Mause Avenue, Sunnyvale, CA 94086 (US).

(72) **FOLEY, Peter, F.**; 13124 Byrd Lane, Los Altos Hills, CA 94022 (US).

(74) **EDWARDS, Gary, J.** et al. / etc.; Skjerven, Morrill, MacPherson, Franklin & Friel LLP, Suite 700, 25 Metro Drive, San Jose, CA 95110 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20023** (13) A1

(21) PCT/US98/19894

(22) **30 Sep/sep 1998 (30.09.1998)**

(25) en (26) en

(31) 08/950,134 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04L 27/233, 7/04**

(54) ● SYNCHRONIZATION TECHNIQUES AND SYSTEMS FOR RADIOCOMMUNICATION
● PROCEDE ET SYSTEME SYNCHRONISATION POUR LES RADIOCOMMUNICATIONS

(71) **ERICSSON, INC.** [US/US]; 7001 Development Drive, Research Triangle Park, NC 27709 (US).

(72) **CHENNAKESHU, Sandeep**; 311 Glen Abby Drive, Cary, NC 27513 (US). **MOLNAR, Karl**; 110 Flying Leaf Court, Cary, NC 27513 (US).

(74) **GRUDZIECKI, Ronald, L.** et al. / etc.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20024** (13) A1

(21) PCT/NL98/00581

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) nl (26) en

(31) 1007252 (32) **10 Oct/oct 1997 (10.10.1997)** (33) NL

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04L 29/06, G03G 15/00, H04N 1/32**

(54) ● METHOD AND DEVICE FOR PROTECTING DATA COMMUNICATION
● PROCEDE ET DISPOSITIF PERMETTANT DE PROTEGER LES TRANSMISSIONS DE DONNEES

(71, 72) **DE LA BRETONIERE, Ralph, Rogier** [NL/NL]; Bijkhouwerlommer 43, NL-2728 JK Zoetermeer (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20025** (13) A2

(21) PCT/NL98/00586

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 97203174.4 (32) **13 Oct/oct 1997 (13.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04L 29/06**

(54) ● METHOD OF OBJECT ORIENTED POINT-TO-POINT COMMUNICATION AND COMMUNICATION APPARATUS FOR CARRYING OUT SUCH A METHOD
● PROCEDE DE COMMUNICATION DE POINT A POINT ORIENTEE OBJET ET DISPOSITIF CORRESPONDANT

(71) **X-WAY RIGHTS B.V.** [NL/NL]; De Run 1124, NL-5503 LA Veldhoven (NL).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **VAN DER HELJDEN, Xander** [NL/NL]; Hazelaar 6, NL-4661 TC Halsteren (NL). **DEBLIER, Robert** [BE/BE]; Breestraat 130, B-3500 Haselt (BE). **BLANK, Chip** [US/NL]; Badstraat 6A, NL-4811 RM Breda (NL).

(74) **DE BRUIJN, Leendert, C.**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20026** (13) A1

(21) PCT/US98/21147

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/947,613 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04L 29/08, H04N 7/173**

(54) ● AUTOMATIC LINKING TO PROGRAM-SPECIFIC COMPUTER CHAT ROOMS
● ETABLISSEMENT AUTOMATIQUE DE LIAISON AVEC UNE MESSAGERIE DE DIALOGUE CONSACREE A UNE EMISSION

(71) **GATEWAY 2000, INC.** [US/US]; 610 Gateway Drive, P.O. Box 2000, North Sioux City, SD 57049-2000 (US).

(72) **SCHINDLER, Jeffrey**; 4301 Far Hills Road, Sioux City, IA 51104 (US).

(74) **VIKSNINS, Ann, S.**; Schwegman, Lundberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402 (US).

(81) AU CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/20027** (13) A2

(21) PCT/US98/21442

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 60/061,689 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M**

(54) ● SPLITTERLESS MULTICARRIER MODEM
● MODEM A PORTEUSES MULTIPLES SANS REPARTITEUR

(71) **AWARE, INC.** [US/US]; 40 Middlesex Turnpike, Bedford, MA 01730 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **GROSS, Richard, W.** [US/US]; 21 Millett Street, Arlington, MA 02174 (US). **GRESZCZUK, John, A.** [US/US]; 18 Lowell Drive, Stow, MA 01775 (US). **KRINSKY, David, M.** [US/US]; 4 Ayer Road, Acton, MA 01720 (US). **TZANNES, Marcos** [US/US]; 665 Lowell Street, Unit #53, Lexington, MA 02173 (US). **TZANNES, Michael, A.** [US/US]; 17 Carley Road, Lexington, MA 02173 (US).

(74) **O'DONNELL, Martin, J.** et al. / etc.; Cesari and McKenna, LLP, 30 Rowes Wharf, Boston, MA 02110 (US).

(81) AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA US UZ VN YU; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20028** (13) A2

(21) PCT/IB98/01574

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 9721663.4 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 1/27**

(54) ● COMMUNICATIONS DEVICE CODE ENTRY
● SAISIE DE CODE SUR DISPOSITIF DE COMMUNICATION

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **COLE, Richard, Stephen**; Prof. Holstlaan 6, NL-5656 AA Endhoven (NL). **EVES, David, Anthony**; Prof. Holstlaan 6, NL-5656 AA Endhoven (NL). **HOSKINS, Asher, John**; Prof. Holstlaan 6, NL-5656 AA Endhoven (NL).

(74) **WHITE, Andrew, G.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) CN JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20029** (13) A1

(21) PCT/FR98/02192

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fr (26) fr

(31) 97/12804 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 1/56, 1/72**

(54) ● MOBILE TELEPHONE SENDING AUDIO MESSAGES
● TELEPHONE MOBILE A DIFFUSION DE MESSAGES SONORES

(71) **SAGEM S.A.** [FR/FR]; 6, avenue d'Iéna, F-75116 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72) 75) **THIERRY, Jean-Paul** [FR/FR]; 1, square des Artistes, F-95520 Osny (FR). **PORATO, Marc** [FR/FR]; 5, impasse des Gazurs, Loconville, F-60240 Chaumont en Vexin (FR). **HEURTAUX, Frédéric** [FR/FR]; 69, avenue de la Bourgade, F-13610 Le Puy Sainte Réparate (FR).

(74) **BLOCH & ASSOCIES**; 2, square de l'Avenue du Bois, F-75116 Paris (FR).

(81) AU BG CA CN CZ HU IS JP KR LT PL RO SI SK TR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20030** (13) A1

(21) PCT/US98/21543

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/953,842 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 1/64, 11/00, 1/00, 3/42, 3/00**

(54) ● METHOD OF SHARING AND TRANSFERRING INFORMATION BETWEEN ISDN TELEPHONES

● PROCEDE PERMETTANT DE PARTAGER ET DE TRANSFERER DES INFORMATIONS ENTRE TELEPHONES RNIS

(71) **AMERITECH CORPORATION** [US/US]; 2000 W. Ameritech Center Drive, Hoffman Estates, IL 60196-1025 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72) 75) **HICKEY, Edward, Michael** [US/US]; 2050 Evergreen Lane, Round Lake Beach, IL 60073 (US). **LAITMAN, Robert, John** [US/US]; 1012 Meadow Crest Road, LaGrange Park, IL 60526 (US).

(74) **STUCKMAN, Bruce, E.**; Ameritech Corporation - 4H80, 2000 W. Ameritech Corporation, Hoffman Estates, IL 60196-1025 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20031** (13) A2

(21) PCT/FI98/00795

(22) **14 Oct/oct 1998 (14.10.1998)**

(25) fi (26) en

(31) 973955 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 3/42, H04Q 7/38**

(54) ● DATA ACCESS IN A TELEPHONE SYSTEM
● ACCES A DES DONNEES DANS UN SYSTEME DE TELEPHONES

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72) 75) **PALVIAINEN, Keijo** [FI/FI]; Halmetie 6 A 2, FIN-00700 Helsinki (FI).

(74) **PATENT AGENCY COMPATENT LTD.**; Teollisuuskatu 33, P.O. Box 156, FIN-00511 Helsinki (FI).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20032** (13) A1

(21) PCT/US98/19715

(22) **18 Sep/sep 1998 (18.09.1998)**

(25) en (26) en

(31) 60/059,285 (32) **18 Sep/sep 1997 (18.09.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 7/00**

(54) ● SYSTEM AND METHOD FOR INTEGRATING VOICE ON NETWORK WITH TRADITIONAL TELEPHONY

● SYSTEME ET PROCEDE PERMETTANT D'INTEGRER UN VOCAL-SUR-RESEAU A LA TELEPHONIE TRADITIONNELLE

(71, 72) **BRADY, Patrick, K.** [US/US]; Suite 107, 2901 Finley Road, Downers Grove, IL 60515 (US).

(74) **GOTTS, Lawrence, J.** et al. / etc.; Crowell & Moring LLP, 1001 Pennsylvania Avenue, N.W., Washington, DC 20004-2595 (US).

(81) CA; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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(11) **WO 99/20033** (13) A1

(21) PCT/US98/05587

(22) **23 Mar/mar 1998 (23.03.1998)**

(25) en (26) en

(31) 08/951,151 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 11/06, H04L 25/14**

(54) ● DATA COMMUNICATION USING A MODIFIABLE NUMBER OF XDSL MODEMS
● COMMUNICATION DE DONNEES UTILISANT UN NOMBRE MODIFIABLE DE MODEM XDLL

(71) **NETSPEED, INC.** [US/US]; 12303 Technology Boulevard, Austin, TX 78727 (US).

(72) **LOCKLEAR, Robert, H., Jr.**; 11027 Crossland Drive, Austin, TX 78726 (US). **CANTRELL, Craig, S.**; 6102 Northern Dancer, Austin, TX 78746 (US). **McCLANAHAN, Kip, R.**; 3112 Kerbey Lane, Austin, TX 78703 (US).

(74) **SHOWALTER, Barton, E.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

(11) **WO 99/20034** (13) A2

(21) PCT/FI98/00794

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fi (26) en

(31) 973956 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04M 11/08**

- (54) ● NETWORK MONITORING METHOD FOR TELECOMMUNICATIONS NETWORK
● PROCEDE DE SURVEILLANCE DE RESEAU UTILE POUR UN RESEAU DE TELECOMMUNICATIONS
- (71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **RAJALA, Antti** [FI/FI]; Vanha Hervannantie 94, FIN-33720 Tampere (FI).
- (74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20035** (13) A2
- (21) PCT/EP98/06471
- (22) **12 Oct/oct 1998 (12.10.1998)**
- (25) de (26) de
- (31) 197 44 806.2 (32) **10 Oct/oct 1997 (10.10.1997)** (33) DE
- (31) 198 12 125.3 (32) **19 Mar/mar 1998 (19.03.1998)** (33) DE
- (31) 198 35 909.8 (32) **7 Aug/août 1998 (07.08.1998)** (33) DE
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04M 17/00, G07F 7/00**
- (54) ● ACCESS AND BILLING METHOD USING A CHIP CARD
● ACCES ET FACTURATION PAR CARTE A PUCE
- (71) **KLEIN, Patrick** [DE/DE]; Landshuterstrasse 21, D-85716 Unterschleißheim (DE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KLEIN, Rüdiger** [DE/DE]; Landshuterstrasse 21, D-85716 Unterschleißheim (DE).
- (74) **WINTER, BRANDL & PARTNERS**; Alois-Steinecker-Strasse 22, D-85354 Freising (DE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20036** (13) A1
- (21) PCT/US98/20969
- (22) **6 Oct/oct 1998 (06.10.1998)**
- (25) en (26) en
- (31) 08/950,580 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 1/60**
- (54) ● PRINTER CALIBRATION
● ETALONNAGE D'IMPRIMANTE
- (71) **POLAROID CORPORATION** [US/US]; 784 Memorial Drive, Cambridge, MA 02139-3589 (US).
- (72) **VIGNEAU, Michael, J.**; 45 Forest Street, Stoneham, MA 02180 (US). **THORNTON, Jay, E.**; 56 Lincoln Street, Watertown, MA 02172 (US). **HULTGREN, Broor, O., III**; 6 Jeffrey's Neck Road, Ipswich, MA 01938 (US).
- (74) **MOFFORD, Donald, F.**; Polaroid Corporation, 784 Memorial Drive, Cambridge, MA 02139-3589 (US).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/20037** (13) A1
- (21) PCT/JP98/04531
- (22) **7 Oct/oct 1998 (07.10.1998)**
- (25) ja (26) ja
- (31) 9/296350 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 1/64**
- (54) ● COLOR FACSIMILE AND COLOR FACSIMILE TRANSMISSION METHOD
● TELECOPIEUR COULEUR ET PROCEDE DE TRANSMISSION PAR TELECOPIEUR COULEUR
- (71) **MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC.** [JP/JP]; 3-8, Shimomeguro 2-chome, Meguro-ku, Tokyo 153-0064 (JP).
- (72) **KIZAWA, Makoto**; A-101, 86-26, Kosato, Ueda-shi, Nagano 386-0005 (JP).
- (74) **WASHIDA, Kimihito**; Shintoshicenter Building, 5th floor, 24-1, Tsurumaki 1-chome, Tama-shi, Tokyo 206-0034 (JP).
- (81) BR CA CN KR SG; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/20038** (13) A2
- (21) PCT/IB98/01530
- (22) **5 Oct/oct 1998 (05.10.1998)**
- (25) en (26) en
- (31) 08/948,472 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 3/233**
- (54) ● CIRCUIT FOR VIDEO MOIRE REDUCTION
● CIRCUIT DE REDUCTION DU MOIRAGE VIDEO
- (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
- (72) **HENTSCHHEL, Christian**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/20039** (13) A1
- (21) PCT/US97/18328
- (22) **10 Oct/oct 1997 (10.10.1997)**
- (25) en (26) en
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 3/233, 3/227**
- (54) ● HORIZONTAL PARALLELOGRAM CORRECTION COMBINED WITH HORIZONTAL CENTERING
● CORRECTION HORIZONTALE DE PARALLELOGRAMME COMBINEE AU CADRAGE HORIZONTAL
- (71) **THOMSON CONSUMER ELECTRONICS, INC.** [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290-1024 (US).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **TRUSKALO, Walter** [US/US]; 8730 Pemberton Circle, Indianapolis, IN 46260 (US). **FERNSLER, Ronald, Eugene** [US/US]; 6132 Harlescott Road, Indianapolis, IN 46220 (US).
- (74) **TRIPOLI, Joseph, S. et al. / etc.**; GE & RCA Licensing Management Operation, Inc., P.O. Box 5312, Princeton, NJ 08543 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).
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- (11) **WO 99/20040** (13) A1
- (21) PCT/US98/21447
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) en (26) en
- (31) 08/948,841 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 5/14, 7/01**
- (54) ● FILM SOURCE VIDEO DETECTION
● DETECTION VIDEO D'UNE SOURCE FILMEE
- (71) **FAROUDJA LABORATORIES, INC.** [US/US]; 750 Palomar Avenue, Sunnyvale, CA 94086 (US).
- (72) **SWARTZ, Peter, D.**; Apartment 37, 1200 Ranchero Way, San Jose, CA 95117 (US).
- (74) **GALLAGHER, Thomas, A. et al. / etc.**; Gallagher & Lathrop, Suite 1111, 601 California Street, San Francisco, CA 94108-2805 (US).
- (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/20041** (13) A1
 (21) PCT/US98/20901
 (22) **5 Oct/oct 1998 (05.10.1998)**
 (25) en (26) en
 (31) 08/950,722 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 5/44**
 (54) ● INTEGRATED TELEVISION PROCESSOR
 ● PROCESSEUR DE TELEVISION INTEGRE
 (71) **ZILOG, INC.** [US/US]; 910 East Hamilton Avenue, Campbell, CA 95008 (US).
 (72) **TSYRGANOVICH, Anatoliy, V.**; 906 Windsor Hills Circle, San Jose, CA 95123 (US).
 (74) **PARSONS, Gerald, P.** et al. / etc.; Majestic, Parsons, Siebert & Hsue P.C., Suite 1100, Four Embarcadero Center, San Francisco, CA 94111-4106 (US).
 (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20042** (13) A2
 (21) PCT/IB98/01390
 (22) **8 Sep/sep 1998 (08.09.1998)**
 (25) en (26) en
 (31) 97203168.6 (32) **13 Oct/oct 1997 (13.10.1997)** (33) EP
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 5/57**
 (54) ● IMAGE DISPLAY DEVICE
 ● DISPOSITIF DE VISUALISATION D'IMAGE
 (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
 (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
 (72) **HOUTSLAG, Antonius, Hendricus, Maria**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **LAMMERS, Matheus, Johannus, Gerardus**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
 (74) **DE HAAS, Laurens, J.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
 (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20043** (13) A1
 (21) PCT/US98/21246
 (22) **7 Oct/oct 1998 (07.10.1998)**
 (25) en (26) en
 (31) 08/950,274 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 5/74**
 (54) ● METHOD AND APPARATUS FOR REDUCING THE OPTICAL PATH OF REAR PROJECTION SYSTEMS

- PROCEDE ET APPAREIL PERMETTANT DE REDUIRE LA TRAJECTOIRE OPTIQUE DES SYSTEMES DE PROJECTION PAR TRANSPARENCE
 (71) **SONY ELECTRONICS, INC.** [US/US]; 1 Sony Drive, Park Ridge, NJ 07656 (US).
 (72) **UMEYA, Shinjiro**; 121214 Ferncrest Place, San Diego, CA 92128 (US).
 (74) **SOBRINO, Maria, E.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025-1026 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE; OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/20044** (13) A1
 (21) PCT/US98/12070
 (22) **9 Jun/juin 1998 (09.06.1998)**
 (25) en (26) en
 (31) 08/890,954 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 5/781**
 (54) ● MULTIPLE HEAD SIGNAL DISTRIBUTION METHOD AND APPARATUS
 ● PROCEDE ET APPAREIL DE DISTRIBUTION DE SIGNAL A TETES MULTIPLES
 (71, 72) **FAN, George, S.** [US/US]; P.O. Box 2364, Fernley, NV 89408 (US).
 (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE; OA (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG).

- (11) **WO 99/20045** (13) A2
 (21) PCT/IB98/01573
 (22) **8 Oct/oct 1998 (08.10.1998)**
 (25) en (26) en
 (31) 9721662.6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) GB
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 5/783**
 (54) ● ENCODED VIDEO SIGNAL FORMATTING
 ● FORMATAGE DE SIGNAUX VIDEO CODES
 (71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

- (71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)
 (72) **MORRIS, Octavius, John**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **EVERETT, Timothy, John**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
 (74) **WHITE, Andrew, Gordon**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).
 (81) JP KR; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20046** (13) A1
 (21) PCT/US98/21072
 (22) **6 Oct/oct 1998 (06.10.1998)**
 (25) en (26) en
 (31) 08/948,539 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 7/12**
 (54) ● HIGH-DEFINITION TELEVISION SIGNAL PROCESSING FOR TRANSMITTING AND RECEIVING A TELEVISION SIGNAL IN A MANNER COMPATIBLE WITH THE PRESENT SYSTEM
 ● TRAITEMENT DES SIGNAUX DE TELEVISION A HAUTE DEFINITION (TVHD) POUR LA TRANSMISSION ET LA RECEPTION D'UN SIGNAL DE TELEVISION DE MANIERE COMPATIBLE AVEC LE SYSTEME EXISTANT
 (71) **FAROUDJA LABORATORIES, INC.** [US/US]; 750 Palomar Avenue, Sunnyvale, CA 94086 (US).
 (72) **FAROUDJA, Yves, C.**; 26595 Anacapa Drive, Los Altos Hills, CA 94022 (US). **SWARTZ, Peter, D.**; Apartment 37, 1200 Ranchero Way, San Jose, CA 95117 (US). **CAMPBELL, Jack, J.**; 1161 De Haro Street, San Francisco, CA 94107 (US).
 (74) **GALLAGHER, Thomas, A.** et al. / etc.; Gallagher & Lathrop, Suite 1111, 601 California Street, San Francisco, CA 94108-2805 (US).
 (81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20047** (13) A1
 (21) PCT/US98/21473
 (22) **13 Oct/oct 1998 (13.10.1998)**
 (25) en (26) en
 (31) 08/948,756 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
 (43) 22 Apr/avr 1999 (22.04.1999)
 (51)⁶ **H04N 7/16**
 (54) ● PROGRAM GUIDE DATA DISTRIBUTION SYSTEM WITH CONFIGURABLE QUEUES
 ● SYSTEME DE DISTRIBUTION DE DONNEES DE GUIDE DES PROGRAMMES AVEC FILES D'ATTENTE POUVANT ETRE CONFIGUREES
 (71) **TCL-TVGOS, INC.** [US/US]; 5619 DTC Parkway, Englewood, CO 80111 (US). **NEWS AMERICA PUBLICATIONS INC.** [US/US]; 1211 Avenue of the Americas, New York, NY 10036 (US).

(72) **RASSON, Donald** (deceased / décédé); **REYNOLDS, Rose, A.**; 865 Inca Parkway, Boulder, CO 80303 (US). **ELLIS, Michael, D.**; 1300 Kingwood Place, Boulder, CO 80304 (US). **PREDOLICH, Robert, R.**; 9648 South Golden Eagle Avenue, Highlands Ranch, CO 80126 (US). **ROSS, Jeffrey, A.**; 3488 East Jamison Avenue, Littleton, CO 80122 (US). **HASSELL, Joel, G.**; 8246 Yarrow Court, Arvada, CO 80005 (US).

(74) **TREYZ, G., Victor** et al. / etc.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20048** (13) A1

(21) PCT/US98/19054

(22) **11 Sep/sep 1998 (11.09.1998)**

(25) en (26) en

(31) 08/948,956 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 7/18**

(54) ● IMAGING METHOD AND SYSTEM WITH ELONGATE INSPECTION ZONE
● PROCEDE ET SYSTEME D'INSPECTION AVEC ZONE D'INSPECTION ALLONGEE

(71) **NORTHEAST ROBOTICS LLC** [US/US]; 15 Twin Bridge Road, Weare, NH 03281 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **WHITE, Timothy, P.** [US/US]; 146 Lull Road, New Boston, NH 03070 (US). **STERN, Howard** [US/US]; 89 Derby Avenue, Greenlawn, NY 11740 (US).

(74) **DAVIS, Anthony, G., M.** et al. / etc.; 4th floor, 500 North Commercial Street, Manchester, NH 03101 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20049** (13) A1

(21) PCT/US98/21556

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,897 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 7/24, 5/00**

(54) ● SYSTEM FOR FORMATTING AND PROCESSING MULTIMEDIA PROGRAM DATA AND PROGRAM GUIDE INFORMATION

● SYSTEME PERMETTANT DE FORMATER ET DE TRAITER DES DONNEES DE PROGRAMME MULTIMEDIA ET DES INFORMATIONS DE PROGRAMME

(71) **THOMSON CONSUMER ELECTRONICS, INC.** [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290-1024 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **EBLING, Mark, Jacob** [US/US]; 6709 Stearns Hill Drive, Indianapolis, IN 46237 (US). **HEREDIA, Edwin, Arturo** [BO/US]; Apartment 4015, 8274 Lakeshore Circle, Indianapolis, IN 46250 (US). **NIRANJAN, Sithampara** [LK/US]; 613 Canoe Court, Redwood City, CA 94065 (US). **TENG, Chia-Yuan** [-/US]; Apartment #119, 11825 Caminito Ronaldo, San Diego, CA 92128 (US). **OZKAN, Mehmet, Kemal** [TR/TR]; Savasci Sokak Bozokatt 19/1, Avclar, 34840 Istanbul (TR). **SAEGER, Timothy, William** [US/US]; 1203 Angelic Court, Carmel, IN 46032 (US).

(74) **TRIPOLI, Joseph, S.** et al. / etc.; GE & RCA Licensing Management Operation, Inc., P.O. Box 5312, Princeton, NJ 08540 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20050** (13) A2

(21) PCT/IB98/01415

(22) **14 Sep/sep 1998 (14.09.1998)**

(25) en (26) en

(31) 97203223.9 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 7/36**

(54) ● MOTION ESTIMATION
● EVALUATION DE MOUVEMENT

(71) **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) **PHILIPS AB** [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE).
(only for / seulement pour SE)

(72) **BELLERS, Erwin, Ben**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **DE HAAN, Gerard**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) **STEENBEEK, Leonardus, J.**; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20051** (13) A1

(21) PCT/JP98/04667

(22) **15 Oct/oct 1998 (15.10.1998)**

(25) ja (26) ja

(31) 9/282155 (32) **15 Oct/oct 1997 (15.10.1997)** (33) JP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 7/58**

(54) ● VIDEO DATA MULTIPLEXER, VIDEO DATA MULTIPLEXING CONTROL METHOD, METHOD AND APPARATUS FOR MULTIPLEXING ENCODED STREAM, AND ENCODING METHOD AND APPARATUS

● MULTIPLEXEUR DE DONNEES VIDEO, PROCEDE DE CONTROLE DU MULTIPLEXAGE DE DONNEES VIDEO, PROCEDE ET APPAREIL POUR MULTIPLEXER UN FLUX CODE AINSI QUE PROCEDE ET APPAREIL DE CODAGE

(71) **SONY CORPORATION** [JP/JP]; 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP).

(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **KITAZAWA, Toshihiko** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **SUZUKI, Takao** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **SETO, Hiroaki** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP). **MATSUMURA, Yoichi** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP).

(74) **FUJISHIMA, Youichiro**; 502 Shinjuku KM Building, 14-5, Shinjuku 1-chome, Shinjuku-ku, Tokyo 160-0022 (JP).

(81) GB JP KR US.

(11) **WO 99/20052** (13) A1

(21) PCT/JP97/03647

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 9/28**

(54) ● DIGITAL CONVERGENCE CORRECTING DEVICE AND DISPLAY DEVICE
● DISPOSITIF NUMERIQUE DE CORRECTION DE CONVERGENCE ET DISPOSITIF D'AFFICHAGE

(71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **CHUJO, Takeshi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).

(74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).

(81) CN JP KR MX US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20053** (13) A1

(21) PCT/JP97/03648

(22) **9 Oct/oct 1997 (09.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04N 9/28**

(54) ● DIGITAL CONVERGENCE CORRECTING DEVICE AND DISPLAY DEVICE
● DISPOSITIF NUMERIQUE DE CORRECTION DE CONVERGENCE ET DISPOSITIF D'AFFICHAGE

- (71) **MITSUBISHI DENKI KABUSHIKI KAISHA** [JP/JP]; 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **CHUJO, Takeshi** [JP/JP]; Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).
- (74) **MIYATA, Kaneo** et al. / etc.; Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100 (JP).
- (81) CN JP KR MX US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20054** (13) A1
- (21) PCT/US98/20197
- (22) **24 Sep/sep 1998 (24.09.1998)**
- (25) en (26) en
- (31) 08/949,369 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 9/31**
- (54) ● **COLOR IMAGE PROJECTION SYSTEM**
● SYSTEME DE PROJECTION D'IMAGES COULEURS
- (71) **RAYCHEM CORPORATION** [US/US]; 300 Constitution Drive, Mail Stop 120/1A, Menlo Park, CA 94025-1164 (US).
- (72) **BIGELOW, John, E.**; 934 Riverview Road, Rexford, NY 12148 (US). **JONES, Philip, M.**; Faun's Close, Ogbourne St. George, Wiltshire, Marlborough SN8 1SU (GB).
- (74) **CHAO, Yuan** et al. / etc.; Raychem Corporation, Intellectual Property Law Dept., 300 Constitution Drive, Mail Stop 120/1A, Menlo Park, CA 94025-1164 (US).
- (81) CA JP; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

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- (11) **WO 99/20055** (13) A1
- (21) PCT/JP98/04559
- (22) **9 Oct/oct 1998 (09.10.1998)**
- (25) ja (26) ja
- (31) 9/277100 (32) **9 Oct/oct 1997 (09.10.1997)** (33) JP
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 11/00, H04J 3/00, H04L 7/033**
- (54) ● **VIDEO SIGNAL TRANSMITTER**
● EMETTEUR DE SIGNAL VIDEO
- (71) **SONY CORPORATION** [JP/JP]; 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **KIKUCHI, Hidekazu** [JP/JP]; Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 (JP).
- (74) **SATO, Takahisa**; Sohshin International Patent Office, 4F Miyaki Building, 4-2, Yanagibashi 2-chome, Taito-ku, Tokyo 111-0052 (JP).
- (81) DE GB KR US.

- (11) **WO 99/20056** (13) A1
- (21) PCT/AU98/00863
- (22) **15 Oct/oct 1998 (15.10.1998)**
- (25) en (26) en
- (31) PO 9819 (32) **15 Oct/oct 1997 (15.10.1997)** (33) AU
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04N 13/02, 13/04, A61B 3/12**
- (54) ● **STEREO OPTIC DISC ANALYSER**
● ANALYSEUR STEREOSCOPIQUE DE PAILLE OPTIQUE
- (71) **THE LIONS EYE INSTITUTE OF WESTERN AUSTRALIA INCORPORATED** [AU/AU]; 2nd floor, 2 Verdun Street, Nedlands, W.A. 6009 (AU).
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- (72, 75) **EIKELBOOM, Robert, Henry** [AU/AU]; The Lions Eye Institute of Western Australia Incorporated, 2nd floor, 2 Verdun Street, Nedlands, W.A. 6009 (AU). **YOGESAN, Kanagasingam** [AU/AU]; The Lions Eye Institute of Western Australia Incorporated, 2nd floor, 2 Verdun Street, Nedlands, W.A. 6009 (AU). **VAN SAARLOOS, Paul, Phillip** [AU/AU]; The Lions Eye Institute of Western Australia Incorporated, 2nd floor, 2 Verdun Street, Nedlands, W.A. 6009 (AU).
- (74) **GRIFFITH HACK**; 509 St. Kilda Road, Melbourne, VIC 3004 (AU).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

- (11) **WO 99/20057** (13) A2
- (21) PCT/NO98/00294
- (22) **1 Oct/oct 1998 (01.10.1998)**
- (25) en (26) en
- (31) 974688 (32) **10 Oct/oct 1997 (10.10.1997)** (33) NO
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04Q 3/00, G01S 5/14, H04M 3/42**
- (54) ● **ARRANGEMENT IN A TELECOMMUNICATION SYSTEM, ESPECIALLY A PERSONAL COMMUNICATION SYSTEM**
● AGENCEMENT DANS UN SYSTEME DE TELECOMMUNICATIONS, NOTAMMENT DANS UN SYSTEME DE COMMUNICATION PERSONNEL
- (71) **TELEFONAKTIEBOLAGET LM ERICSSON** [SE/SE]; S-126 25 Stockholm (SE).
(for all designated States except / pour tous les États désignés sauf US)
- (72, 75) **BØYUM, Bjørn** [NO/NO]; Naudebroveiden 22, N-4883 Bjorbekk (NO). **EVENSEN, Geir, Olav** [NO/NO]; Havoddeveien 29A, N-4875 Nedenes (NO). **FJUK, Paul, Torkil** [NO/NO]; Hel-laveien 79, N-2019 Skjetten (NO). **HANSEN, Sverre** [NO/NO]; Sletteheia 18, N-4800 Arendal (NO).
- (74) **OSLO PATENTKONTOR AS**; Postboks 7007 M, N-0306 Oslo (NO).
- (81) AU NO US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

- (11) **WO 99/20058** (13) A1
- (21) PCT/US98/21056
- (22) **6 Oct/oct 1998 (06.10.1998)**
- (25) en (26) en
- (31) 08/948,160 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04Q 3/00**
- (54) ● **SYSTEM AND METHOD FOR SUPPORTING FLEXIBLE TELEPHONY SERVICE MANAGEMENT**
● SYSTEME ET PROCEDE PERMETTANT UNE GESTION FLEXIBLE DE SERVICES TELEPHONIQUES
- (71) **ALCATEL USA SOURCING, L.P.** [US/US]; 1000 Coit Road, Plano, TX 75075 (US).
- (72) **SHAH, Tasvir**; 9004 Silverdollar Trail, Irving, TX 75063 (US). **HARRISON, Mark, A.**; Asian Info Computer Networks (Beijing) Co., Ltd., 14th floor, No. 5, Minzuxueyuan South Road, Haidan District, P.O. Box 8116, Section 47, Beijing 10081 (CN). **BILBO, Matthew, J.**; 2524 Lakeview Drive, Bedford, TX 76021 (US).
- (74) **FISH, Charles, S.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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- (11) **WO 99/20059** (13) A1
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- (22) **6 Oct/oct 1998 (06.10.1998)**
- (25) en (26) en
- (31) 08/948,161 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
- (43) 22 Apr/avr 1999 (22.04.1999)
- (51)⁶ **H04Q 3/00**
- (54) ● **SYSTEM AND METHOD FOR CONTROLLING ACCESS TO A TELEPHONY DATABASE**
● SYSTEME ET PROCEDE DE GESTION D'ACCES A UNE BASE DE DONNEES TELEPHONIQUES CMM
- (71) **ALCATEL USA SOURCING, L.P.** [US/US]; 1000 Coit Road, Plano, TX 75075 (US).
- (72) **SHAH, Tasvir**; 9004 Silverdollar Trail, Irving, TX 75063 (US). **HARRISON, Mark, A.**; Asian Info Computer Networks (Beijing) Co., Ltd., 14th floor, 5 Minuzuxueyuan South Road, P.O. Box 8116, Section 47, Haidan District, Beijing 10081 (CN). **BILBO, Matthew, J.**; 2524 Lakeview Drive, Bedford, TX 76021 (US).
- (74) **FISH, Charles, S.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/947,693 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 3/00**

(54) ● SERVICE MANAGEMENT ACCESS POINT
● POINT D'ACCES DE GESTION DE SERVICES

(71) **DSC TELECOM L.P.** [US/US]; 1000 Coit Road, Plano, TX 75075 (US).

(72) **SHAH, Tasvir**; 9004 Silverdollar Trail, Irving, TX 75063 (US). **HARRISON, Mark, A.**; Asian Info Computer Networks (Beijing) Co., Ltd., 14th floor, No. 5 Minzuxueyuan South Road, Haidian District, P.O. Box 8116, Section 47, Beijing 100081 (CN). **BILBO, Matthew, J.**; 2524 Lakeview Drive, Bedford, TX 76021 (US).

(74) **FISH, Charles, S.**; Baker & Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 197 45 367.8 (32) **14 Oct/oct 1997 (14.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/20**

(54) ● METHOD AND RECEIVING DEVICE FOR ESTIMATING CHANNELS IN COMMUNICATIONS SYSTEMS
● PROCEDE ET DISPOSITIF DE RECEPTION POUR L'ESTIMATION DE CANAUX DANS DES SYSTEMES DE TELECOMMUNICATION

(71) **SIEMENS AKTIENGESELLSCHAFT** [DE/DE]; Wittelsbacherplatz 2, D-80333 München (DE).
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(72, 75) **RADEMACHER, Leo** [DE/DE]; Lindens-trasse 60, D-83607 Holzirchen (DE).

(74) **SIEMENS AKTIENGESELLSCHAFT**; Postfach 22 16 34, D-80506 München (DE).

(81) AU BR CA CN HU ID IL JP KR MX NO PL RU UA US VN; EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20062** (13) A1

(21) PCT/FI98/00793

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) fi (26) en

(31) 973945 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/22, 7/06**

(54) ● TRANSMISSION SYSTEM FOR RELAYING SHORT MESSAGES
● SYSTEME DE TRANSMISSION SERVANT A RELAYER DES MESSAGES COURTS

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **SÖDERBACKA, Lauri** [FI/JP]; Nokia Japan Co., Ltd., Building 6F, Akasaka 8-1, 2-13-5, Nagata-cho, Ghyoda-ku, Tokyo 100 (JP). **GUSTAFSSON, Patrik** [FI/US]; 731 Cowboys Phw 2086, Irving, TX 75063 (US).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20063** (13) A1

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(31) 973965 (32) **15 Oct/oct 1997 (15.10.1997)** (33) FI

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/22**

(54) ● METHOD AND APPARATUS FOR IDENTIFYING SENDER OF SHORT MESSAGE
● PROCEDE ET APPAREIL DESTINES A IDENTIFIER L'EXPEDITEUR D'UN MESSAGE COURT

(71) **NOKIA TELECOMMUNICATIONS OY** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
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(72, 75) **GUSTAFSSON, Patrik** [FI/US]; 4 Avocet Drive 208, Redwood City, CA 94065 (US). **MEURONEN, Timo** [FI/FI]; Vilniementie 10 D 32, FIN-02940 Espoo (FI).

(74) **KOLSTER OY AB**; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

(81) AL AM AT AT (Utility model / modèle d'utilité) AU AZ BA BB BG BR BY CA CH CN CU CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20064** (13) A1

(21) PCT/GB98/03020

(22) **8 Oct/oct 1998 (08.10.1998)**

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(31) 97308234.0 (32) **15 Oct/oct 1997 (15.10.1997)** (33) EP

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/22**

(54) ● CELLULAR RADIO SYSTEM WITH HOME AREA DEFINITION
● SYSTEME DE RADIO CELLULAIRE AVEC DEFINITION DE ZONE DE RATTACHEMENT

(71) **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London EC1A 7AJ (GB).
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(72, 75) **CLAPTON, Alan, James** [GB/GB]; 11 Winding Piece, Capel St. Mary, Ipswich, Suffolk IP9 2UZ (GB). **SMITH, David, Gordon** [GB/GB]; 7 Demeses Gardens, Martlesham Heath, Ipswich, Suffolk IP5 3UA (GB).

(74) **LIDBETTER, Timothy, Guy, Edwin**; BT Group Legal Services, Intellectual Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20065** (13) A1

(21) PCT/SE98/01827

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 9703759-2 (32) **15 Oct/oct 1997 (15.10.1997)** (33) SE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/22, 7/38**

(54) ● CALLED MOBILE SUBSCRIBER PRESENT STATUS
● ETAT PRESENT DE L'ABONNE MOBILE APPELE

- (71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **MEE, John**; Barrymore, Kiltoun, Athlone County Roscommon (IE). **MAGUIRE, Patrick**; Drumderly Ballinamore, County Leitrim (IE).
- (74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S-164 80 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20066** (13) A1
(21) PCT/US98/21201
(22) **8 Oct/oct 1998 (08.10.1998)**
(25) en (26) en
(31) 08/948,185 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/22**
(54) ● SUBSCRIBER DEFINED USAGE LIMITS
● LIMITATIONS D'UTILISATION DEFINIES PAR L'ABONNE
(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).
(72) **BOLTZ, David**; 901 Lochness Lane, Garland, TX 75044 (US).
(74) **MOORE, Stanley, R.** et al. / etc.; Jenkins & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).
(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20067** (13) A1
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(31) 9703696-6 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/24, H04L 12/56**
(54) ● ACCESS PORT ADDRESSING IN A GENERIC RADIO ACCESS NETWORK
● ADRESSAGE D'UN PORT D'ACCES DANS UN RESEAU D'ACCES RADIO GENERIQUE
(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **RUNE, Johan**; Motionsvägen 5, S-181 30 Lidingö (SE).
- (74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S-164 80 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20068** (13) A1
(21) PCT/SE98/01825
(22) **9 Oct/oct 1998 (09.10.1998)**
(25) en (26) en
(31) 08/948,898 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/34**
(54) ● SPEECH/RADIO QUALITY EVALUATOR
● EVALUATEUR DE QUALITE PAROLE/RADIO
(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **CUFFARO, Angelo**; 4247 Becket Street, Pierrefonds, Quebec H9H 4W8 (US). **WINGRO-WIEZ, Edvard**; Grimson, Kronborgsgränd 14, 2 tr, S-164 46 Kista (SE).
- (74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S-164 80 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20069** (13) A1
(21) PCT/SE98/01755
(22) **29 Sep/sep 1998 (29.09.1998)**
(25) en (26) en
(31) 9703743-6 (32) **14 Oct/oct 1997 (14.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/36**
(54) ● METHODS OF INITIATING A RECONFIGURING OF A CELL IN A MOBILE RADIO NETWORK
● PROCEDES PERMETTANT D'INITIER UNE RECONFIGURATION D'UNE CELLULE D'UN RESEAU RADIO MOBILE
(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **CERWALL, Carl, Patrik**; Granängsringen 44, S-135 44 Tyresö (SE). **HELLEBERG, Anna**; Fjällvägen 14 B, S-191 46 Sollentuna (SE).
- (74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S-164 80 Stockholm (SE).
- (81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20070** (13) A2
(21) PCT/FI98/00792
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) en (26) en
(31) 973944 (32) **13 Oct/oct 1997 (13.10.1997)** (33) FI
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/38**
(54) ● METHOD OF INSTALLING A TERMINAL, AND A WIRELESS TELEPHONE SYSTEM
● PROCEDE D'INSTALLATION D'UN TERMINAL ET SYSTEME TELEPHONIQUE SANS FIL
(71) **NE-PRODUCTS OY** [FI/FI]; Tutkijantie 4, FIN-90570 Oulu (FI).
(for all designated States except / pour tous les États désignés sauf US)
(72, 75) **SAVOLAINEN, Kimmo** [FI/FI]; Marjasuontie 1 C 15, FIN-90450 Kempele (FI).
(74) **PATENTTITOIMISTO TEKNOPOLIS KOLSTER OY**; c/o Kolster Oy AB, Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).
(81) CN US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).
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- (11) **WO 99/20071** (13) A1
(21) PCT/SE98/01783
(22) **2 Oct/oct 1998 (02.10.1998)**
(25) en (26) en
(31) 9703697-4 (32) **10 Oct/oct 1997 (10.10.1997)** (33) SE
(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H04Q 7/38, 7/24, H04L 12/56**
(54) ● DATA TRANSFER BETWEEN GRAN INTERWORKING UNITS
● TRANSFERT DE DONNEES ENTRE DES UNITES EN INTERFONCTIONNEMENT D'UN RESEAU D'ACCES RADIO GENERIQUE
(71) **TELEFONAKTIEBOLAGET LM ERICSSON (publ)** [SE/SE]; S-126 25 Stockholm (SE).
- (72) **RUNE, Johan**; Motionsvägen 5, S-181 30 Lidingö (SE). **LAGNEBORG, Johan**; Bergtorpstigen 42, S-125 51 Älvsjö (SE).
- (74) **ERICSSON RADIO SYSTEMS AB**; Common Patent Dept., S-164 80 Stockholm (SE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(31) 08/947,719 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/38, 7/22**

(54) ● SEAMLESS HANDOFF SYSTEM AND METHOD
● PROCEDE ET SYSTEME DE TRANSFERT TRANSPARENT

(71) **INTERDIGITAL TECHNOLOGY CORPORATION** [US/US]; Suite 525, 300 Delaware Avenue, Wilmington, DE 19801 (US).

(72) **OZLUTURK, Fatih, M.**; 70 Willowdale Avenue, Port Washington, NY 11050 (US).

(74) **VOLPE, Anthony, S.** et al. / etc.; Volpe and Koenig, P.C., 400 One Penn Center, 1617 John F. Kennedy Boulevard, Philadelphia, PA 19103 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(21) PCT/US98/21206

(22) **8 Oct/oct 1998 (08.10.1998)**

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(31) 08/947,643 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/38**

(54) ● LOAD BASED PRIORITY FOR THE MOBILE SUBSCRIBER
● PRIORITE DEPENDANT DE LA CHARGE POUR ABONNE MOBILE

(71) **ERICSSON INC.** [US/US]; 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC 27709 (US).

(72) **BHATIA, Ranjit**; 12920 Audelia #268, Dallas, TX 75243 (US). **BORG, Gunnar**; 4500 Pear Ridge Drive, Dallas, TX 75287 (US).

(74) **MOORE, Stanley, R.** et al. / etc.; Jenkins & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(22) **9 Oct/oct 1998 (09.10.1998)**

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(31) 60/061,626 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) Not furnished / non communiqué (32) **7 Oct/oct 1998 (07.10.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 7/38**

(54) ● METHOD AND APPARATUS FOR PERFORMING IDLE HANDOFF IN A MULTIPLE ACCESS COMMUNICATION SYSTEM

● PROCEDE ET APPAREIL D'EXECUTION DE TRANSFERTS INTERCELLULAIRES LIBRES DANS UN SYSTEME DE COMMUNICATION A ACCES MULTIPLE

(71) **QUALCOMM INCORPORATED** [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(72) **WANG, Jun**; 13410 Appalachian Way, San Diego, CA 92129 (US). **TIEDEMANN, Edward, G., Jr.**; 4350 Bromfield Avenue, San Diego, CA 92122 (US).

(74) **MILLER, Russell, B.** et al. / etc.; QUALCOMM Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20075** (13) A1

(21) PCT/IE98/00083

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) S970741 (32) **13 Oct/oct 1997 (13.10.1997)** (33) IE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 9/00, G06F 11/20**

(54) ● A REMOTE TERMINAL UNIT ASSEMBLY
● ENSEMBLE DE TERMINAUX A DISTANCE

(71) **VISERGE LIMITED** [IE/IE]; Unit 28, IDA Centre, Pearse Street, Dublin 2 (IE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **O'DONNELL, Graham** [IE/IE]; 5 Lower Albert Road, Sandycove, Dun Laoghaire, County Dublin (IE). **SHEEHY, Morgan** [IE/IE]; 55 Nutley Avenue, Dublin 4 (IE). **KEARNEY, Adrian**

[IE/IE]; 24 Roselawn Road, Castletknock, Dublin 15 (IE).

(74) **O'CONNOR, Donal, H.** et al. / etc.; Cruickshank & Co., 1 Holles Street, Dublin 2 (IE).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/20076** (13) A1

(21) PCT/FR98/02080

(22) **28 Sep/sep 1998 (28.09.1998)**

(25) fr (26) fr

(31) 97/13076 (32) **14 Oct/oct 1997 (14.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04Q 11/04, H04L 1/02, 1/22**

(54) ● METHOD FOR SAFE TRANSMISSION OF A TELECOMMUNICATION SYSTEM CELLS
● PROCEDE DE SECURISATION DE LA TRANSMISSION DE CELLULES D'UN SYSTEME DE TELECOMMUNICATION

(71) **FRANCE TELECOM S.A.** [FR/FR]; 6, place d'Alleray, F-75015 Paris (FR). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **BATTISTELLO, Patrick** [FR/FR]; Résidence du Casino, 132, avenue du Casino, F-22700 Perros-Guirec (FR). **JAILLARD, André** [FR/FR]; Résidence de Park Nevez, F-22300 Lannion (FR).

(74) **MAILLET, Alain**; Cabinet Le Guen & Maillet, 38, rue Levavasseur, Boîte postale 91, F-35802 Dinard Cedex (FR).

(81) CA JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20077** (13) A1

(21) PCT/EP98/06138

(22) **26 Sep/sep 1998 (26.09.1998)**

(25) de (26) de

(31) 197 45 574.3 (32) **15 Oct/oct 1997 (15.10.1997)** (33) DE

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H04R 5/033**

(54) ● SOUND-REPRODUCING DEVICE MOUNTABLE ON THE BODY OF A USER
● DISPOSITIF DE REPRODUCTION SONORE POUVANT ETRE PLACE SUR LE CORPS D'UN UTILISATEUR

(71) **SENNHEISER ELECTRONIC GMBH & CO. KG** [DE/DE]; Am Labor 1, D-30900 Wedemark (DE). (for all designated States except / pour tous les États désignés sauf US)

(72, 75) **ZINSERLING, Bert** [DE/DE]; Am Eichwald 1-5, D-61231 Bad Nauheim (DE).

(74) **EISENFÜHR, SPEISER & PARTNER**; Martinistrasse 24, D-28195 Bremen (DE).

(81) AU JP US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

Published / Publiée : (c)

(11) **WO 99/20078** (13) A1

(21) PCT/FR98/02168

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) fr (26) fr

(31) 97/12592 (32) **9 Oct/oct 1997 (09.10.1997)** (33) FR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 3/34**

(54) ● TEXTILE YARN AND HEATING TEXTILE SUBSTRATES
● FILS TEXTILES ET SUBSTRATS TEXTILES CHAUFFANTS

(71) **FINANCIERE ELYSEES BALZAC** [FR/FR]; 2, rue Balzac, F-75008 Paris (FR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **PERRIN, Guy** [FR/FR]; 40, rue Saint Roch, F-59223 Roncq (FR).

(74) **LE ROUX, Martine** et al. / etc.; Cabinet Beau de Loménie, 158, rue de l'Université, F-75340 Paris Cedex 07 (FR).

(81) BR JP MX US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20079** (13) A1

(21) PCT/EP98/06647

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 08/950,670 (32) **15 Oct/oct 1997 (15.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 3/74**

(54) ● MICROWIRE STAPLE FOR HOLDING THE RESISTIVE MEMBER OF A HEATING ELEMENT IN PLACE
● AGRAFE MICROFIL DESTINEE A MAINTENIR EN PLACE LE COMPOSANT RESISTIF D'UN ELEMENT CHAUFFANT

(71) **EMERSON ELECTRIC CO.** [US/US]; 8000 West Florissant, St. Louis, MO 63136 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DEO, Subhash, R.** [US/US]; 933 11th Avenue, N.W., Fayette, AL 35555 (US). **GRIFFITHS, Simon, P.** [GB/US]; 3105 Sierra Court, Columbus, MS 39701 (US).

(74) **SCHMITZ, Jean-Marie**; Dennemeyer & Associates S.A., P.O. Box 1502, L-1015 Luxembourg (LU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

Published / Publiée : (c)

(11) **WO 99/20080** (13) A1

(21) PCT/JP97/03721

(22) **15 Oct/oct 1997 (15.10.1997)**

(25) ja (26) ja

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 33/10, 33/14, 33/22**

(54) ● PROCESS FOR MANUFACTURING ORGANIC ELECTROLUMINESCENT DEVICE
● PROCEDE DE FABRICATION D'UN DISPOSITIF ELECTROLUMINESCENT ORGANIQUE

(71) **TORAY INDUSTRIES, INC.** [JP/JP]; 2-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103 (JP).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HIMESHIMA, Yoshio** [JP/JP]; B1-11, 15, Sonoyama 2-chome, Otsu-shi, Shiga 520 (JP). **FUJIMORI, Shigeo** [JP/JP]; A7-46, 10, Sonoyama 2-chome, Otsu-shi, Shiga 520 (JP). **KOHAMA, Akira** [JP/JP]; A11-41, 5, Sonoyama 2-chome, Otsu-shi, Shiga 520 (JP).

(81) CN JP KR US; EP (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20081** (13) A2

(21) PCT/US98/21171

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 08/948,130 (32) **9 Oct/oct 1997 (09.10.1997)** (33) US

(31) 60/064,005 (32) **3 Nov/nov 1997 (03.11.1997)** (33) US

(31) 08/964,863 (32) **5 Nov/nov 1997 (05.11.1997)** (33) US

(31) 08/980,986 (32) **1 Dec/déc 1997 (01.12.1997)** (33) US

(31) 09/053,030 (32) **1 Apr/avr 1998 (01.04.1998)** (33) US

(31) 09/053,707 (32) **3 Apr/avr 1998 (03.04.1998)** (33) US

(31) 09/058,305 (32) **10 Apr/avr 1998 (10.04.1998)** (33) US

(31) 09/152,960 (32) **14 Sep/sep 1998 (14.09.1998)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 33/26**

(54) ● HIGHLY TRANSPARENT NON-METALLIC CATHODES
● CATHODES NON METALLIQUES HAUTEMENT TRANSPARENTES

(71) **THE TRUSTEES OF PRINCETON UNIVERSITY** [US/US]; Box 36, Princeton, NJ 08544 (US). **THE UNIVERSITY OF SOUTHERN CALIFORNIA** [US/US]; The University of Southern California Park, Los Angeles, CA 90089 (US).

(72) **FORREST, Stephen, R.**; 148 Hunt Drive, Princeton, NJ 08540 (US). **BURROWS, Paul**; 413 Clarksville Road, Princeton Junction, NJ 08550 (US). **PARTHASARATHY, Gautam**; J303 E-Quad, Olden Street, Princeton, NJ 08540 (US). **O'BRIEN, Diarmuid**; 199 Griffith Avenue, Drumcondra, Dublin 9 (IE). **THOMPSON, Mark, E.**; 4447 Pepper Creek Way, Anaheim, CA 92807 (US). **YU, Yujian**; Building 10, Apartment C-7, 700 Lower State Road, North Wales, PA 19454 (US). **SHOUSTIKOV, Andrei**; 1175 W. 29th Street No.8, Los Angeles, CA 90007 (US). **PETASIS, Nicos, A.**; 16234 Sierra Pass, Hacienda Heights, CA 91745 (US). **SIBLEY, Scott**; Apartment 2D, No. 1 Duncroft Court, Baltimore, MD 21236 (US). **LOY, Douglas**; 12750 Centralia Street #2, Lakewood, CA 90715 (US). **KOENE, Brian, E.**; 26 Beacon Street, Burlington, MA 01803 (US). **KWONG, Raymond, C.**; 943 W. Carson Street #308, Torrance, CA 90502 (US).

(74) **MEAGHER, Thomas, F.** et al. / etc.; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20082** (13) A1

(21) PCT/AU98/00839

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) PO 9654 (32) **8 Oct/oct 1997 (08.10.1997)** (33) AU

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 39/02, 37/02, H02M 1/12**

(54) ● METHOD OF AND APPARATUS FOR GENERATING AN ELECTRICAL SIGNAL
● PROCEDE ET APPAREIL POUR GENERER UN SIGNAL ELECTRIQUE

(71) **H.P.M. INDUSTRIES PTY. LIMITED** [AU/AU]; 4 Hill Street, Darlinghurst, NSW 2010 (AU).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HAYASHI, Koichi** [JP/AU]; 4 Hill Street, Darlinghurst, NSW 2010 (AU).

(74) **GRIFFITH, Hack**; G.P.O. Box 4164, Sydney, NSW 2001 (AU).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20083** (13) A1

(21) PCT/US98/21002

(22) **7 Oct/oct 1998 (07.10.1998)**

(25) en (26) en

(31) 08/948,449 (32) **10 Oct/oct 1997 (10.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 41/00**

(54) ● GROUND FAULT PROTECTION CIRCUIT
● CIRCUIT DE PROTECTION DES INCIDENTS IMPUTABLES A LA MISE A LA MASSE

(71) **ELECTRO-MAG INTERNATIONAL, INC.** [US/US]; 10 Fern Canyon, Laguna Niguel, CA 92677 (US).

(72) **MOISIN, Mihail, S.**; 8 Druce Street, Brookline, MA 02146 (US).

(74) **DURKEE, Paul, D.** et al. / etc.; Nutter, McClenen & Fish, LLP, One International Place, Boston, MA 02110-2699 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

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(11) **WO 99/20084** (13) A1

(21) PCT/CH98/00432

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) de (26) de

(31) 2378/97 (32) **10 Oct/oct 1997 (10.10.1997)** (33) CH

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 41/392**

- (54) ● SUPPLY CIRCUIT FOR A FLUORESCENT TUBE INSTALLATION
- CIRCUIT D'ALIMENTATION POUR UNE INSTALLATION A TUBES FLUORESCENTS

(71) **AMTECA AG** [CH/CH]; Barzloosstrasse 20, CH-8330 Pfäffikon (CH).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **HUG, Alfred** [CH/CH]; Amteca AG, Barzloosstrasse 20, CH-8330 Pfäffikon (CH). **BURT-SCHER, Heinz** [AT/CH]; HTL Brugg-Windisch, CH-5200 Windisch (CH). **MEIER, Patrick** [CH/CH]; HTL Brugg-Windisch, CH-5200 Windisch (CH). **MOSEK, Roman** [CH/CH]; HTL Brugg-Windisch, CH-5200 Windisch (CH).

(74) **LAUER, Joachim**; Hug Interlizenz AG, Nordstrasse 31, CH-8035 Zürich (CH).

(81) CZ HU JP PL RU US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20085** (13) A1

(21) PCT/KR98/00306

(22) **8 Oct/oct 1998 (08.10.1998)**

(25) en (26) en

(31) 1997/28064 U (32) **10 Oct/oct 1997 (10.10.1997)** (33) KR

(31) 1998/17948 (32) **19 May/mai 1998 (19.05.1998)** (33) KR

(31) 1998/22249 (32) **15 Jun/juin 1998 (15.06.1998)** (33) KR

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05B 43/00, 33/08**

- (54) ● ELECTRIC LAMP CIRCUIT AND STRUCTURE USING LIGHT EMITTING DIODES
- CIRCUIT DE LAMPE ELECTRIQUE ET STRUCTURE UTILISANT DES DIODES ELECTROLUMINESCENTES

(71) **SE KANG ELECTRIC CO., LTD.** [KR/KR]; 15-30, Goijeong-dong, Seo-ku, Daejeon-si 302-220 (KR).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MIN, Byung, Hyo** [KR/KR]; 5-706 Kalam Apartment, 986, Samcheon-dong, Seo-ku, Daejeon-si 302-222 (KR). **JEON, Chan, Koo** [KR/KR]; 110-1403 Hanbit Apartment, 99, Eoeun-dong, Yuseong-ku, Daejeon-si 305-333 (KR). **JEON, Ir, Bong** [KR/KR]; 370-3 Beopseong-lee, Yongan-myun, Jeonlabuk-do, Iksan-si 572-860 (KR). **OH, Wan, Ho** [KR/KR]; 104-1003

Seo Apartment, Bilae-dong, Daedeok-ku, Daejeon-si306-030 (KR).

(74) **PARK, Byung, Chang**; 824-25, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

(81) AL AU BA BB BG BR CA CN CU CZ EE HR HU ID IL IS JP KP LC LK LR LT LV MG MK MN MX NO NZ PL RO RU SG SI SK SL TR TT UA US UZ VN YU; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20086** (13) A2

(21) PCT/US98/20201

(22) **24 Sep/sep 1998 (24.09.1998)**

(25) en (26) en

(31) 60/059,928 (32) **24 Sep/sep 1997 (24.09.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05H**

- (54) ● PROCESS FOR FORMING ADHERENT COATINGS USING PLASMA PROCESSING
- PROCEDE DE PRODUCTION DE REVETEMENTS ADHERENTS PAR TRAITEMENT PLASMATIQUE

(71) **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; LC/BPL, MS D412, Los Alamos National Laboratory, Los Alamos, NM 87545 (US).

(71, 72) **NASTASI, Michael, A.** [US/US]; Route 1, Box 17, Catherine Lane, Espanola, NM 87532 (US). **WALTER, Kevin, C.** [US/US]; 2329 A 48th Street, Los Alamos, NM 87544 (US). **REJ, Donald, J.** [US/US]; 185 Piedra Loop, Los Alamos, NM 87544 (US).

(74) **FREUND, Samuel, M.** et al. / etc.; LC/BPL, MS D412, Los Alamos National Laboratory, Los Alamos, NM 87545 (US).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20087** (13) A2

(21) PCT/US98/21534

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 60/061,941 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05H**

- (54) ● SYSTEM FOR PLASMA IGNITION BY FAST VOLTAGE RISE
- SYSTEME D'INFLAMMATION DU PLASMA PAR ELEVATION RAPIDE DE LA TENSION

(63) US 60/061,941 (CIP)
14 Oct/oct 1997 (14.10.1997)

(71) **ADVANCED ENERGY INDUSTRIES, INC.** [US/US]; 1625 Sharp Point Drive, Fort Collins, CO 80525 (US).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **DRUMMOND, Geoffrey, D.** [US/US]; 1601 West Swallow, 7-1, Fort Collins, CO 80526 (US). **MCDONOUGH, George** [US/US]; 1193 South County Road 29, Loveland, CO 80537 (US). **SCHOLL, Richard, A.** [US/US]; 612 Skysail Lane, Fort Collins, CO 80526 (US). **KERR, Tim** [US/US]; 4231 Beaver Creek Drive, Fort Collins, CO 80526 (US). **HARPOLD, John, G.** [US/US]; 6203 North County Road 29C, Bellvue, CO 80512 (US).

(74) **SANTANGELO, Luke** et al. / etc.; Santangelo Law Offices, P.C., 3rd floor, 125 South Howes, Fort Collins, CO 80521 (US).

(81) JP KR US; EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE).

(11) **WO 99/20088** (13) A1

(21) PCT/GB98/03077

(22) **13 Oct/oct 1998 (13.10.1998)**

(25) en (26) en

(31) 9721706.1 (32) **13 Oct/oct 1997 (13.10.1997)** (33) GB

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05K 1/02, 7/20**

- (54) ● PRINTED CIRCUIT BOARDS
- CARTES A CIRCUIT IMPRIME

(71) **ERICSSON MOBILE COMMUNICATIONS (UK) LIMITED** [GB/GB]; The Keytech Centre, Ashwood Way, Basingstoke, Hants. RG23 8BG (GB).
(for all designated States except / pour tous les États désignés sauf US)

(72, 75) **MORTON, Edward, Peter** [GB/GB]; Ericsson Mobile Communications (UK) Limited, The Keytech Centre, Ashwood Way, Basingstoke, Hants. RG23 8BG (GB). **GUIVER, Andrew, Peter, Jones** [GB/GB]; Ericsson Mobile Communications (UK) Limited, The Keytech Centre, Ashwood Way, Basingstoke, Hants. RG23 8BG (GB).

(74) **VIGARS, Christopher, Ian**; Haseltine Lake & Co., Imperial House, 15-19 Kingsway, London WC2B 6UD (GB).

(81) AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).

(11) **WO 99/20089** (13) A1

(21) PCT/US98/21427

(22) **9 Oct/oct 1998 (09.10.1998)**

(25) en (26) en

(31) 08/949,984 (32) **14 Oct/oct 1997 (14.10.1997)** (33) US

(43) 22 Apr/avr 1999 (22.04.1999)

(51)⁶ **H05K 1/11, H01L 23/12, 23/14, B32B 9/00**

- (54) ● STRATIFIED COMPOSITE DIELECTRIC AND METHOD OF FABRICATION
- COMPOSITE DIELECTRIQUE STRATIFIE ET PROCEDE DE FABRICATION

(71) **ZMS, LLC** [US/US]; Suite 286, 1933 Davis Street, San Leandro, CA 94577 (US).

- (72) **SOANE, David, S.**; 109 King Avenue, Piedmont, CA 94610 (US).
- (74) **BERNADICOU, Michael, A.** et al. / etc.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
- (81) AL AM AT AT (Utility model / modèle d'utilité) AU (Petty patent) AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model / modèle d'utilité) DE DE (Utility model / modèle d'utilité) DK DK (Utility model / modèle d'utilité) EE EE (Utility model / modèle d'utilité) ES FI FI (Utility model / modèle d'utilité) GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model / modèle d'utilité) SL TJ TM TR TT UA UG UZ VN YU ZW; AP (GH GM KE LS MW SD SZ UG ZW); EA (AM AZ BY KG KZ MD RU TJ TM); EP (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE); OA (BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG).
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- (11) **WO 99/20090** (13) A1
(21) PCT/JP98/04584
(22) **12 Oct/oct 1998 (12.10.1998)**
(25) ja (26) ja
(31) 9/280499 (32) **14 Oct/oct 1997 (14.10.1997)** (33) JP
(31) 9/340180 (32) **10 Dec/déc 1997 (10.12.1997)** (33) JP
(31) 9/340182 (32) **10 Dec/déc 1997 (10.12.1997)** (33) JP
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(43) 22 Apr/avr 1999 (22.04.1999)
(51)⁶ **H05K 3/46**
(54) ● MULTILAYER PRINTED WIRING BOARD AND ITS MANUFACTURING METHOD, AND RESIN COMPOSITION FOR FILLING THROUGH-HOLE
● PLAQUETTE A CIRCUIT IMPRIME MULTICOUCHE, SON PROCEDE DE FABRICATION ET COMPOSITION RESINEUSE DE REMPLISSAGE DE TROUS TRAVERSANTS
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(51)⁶ **H05K 7/20**
(54) ● SUPPORT FOR ELECTRONIC MODULES
● SUPPORT DE MODULES ELECTRONIQUES
(71) **SIEMENS NIXDORF INFORMATIONSSYSTEME AG** [DE/DE]; Heinz-Nixdorf-Ring 1, D-33106 Paderborn (DE). *(for all designated States except / pour tous les États désignés sauf US)*
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- (51)⁶ **H05K 9/00**
(54) ● APPARATUS
● APPAREIL
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(51)⁶ **H05K 13/08**
(54) ● METHOD FOR REGULATING THE LIGHTING IN A DEVICE FOR IDENTIFYING THE POSITION OF AND/OR CONTROLLING THE QUALITY OF COMPONENTS AND/OR SUBSTRATES
● PROCEDE DE REGLAGE DE L'ECLAIREMENT DANS UN DISPOSITIF DE DETECTION DE POSITION ET/OU DE CONTROLE DE QUALITE DE COMPOSANTS ET/OU DE SUBSTRATS
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