



**WORLD INTELLECTUAL PROPERTY ORGANIZATION**  
GENEVA

**SPECIAL UNION FOR THE INTERNATIONAL PATENT CLASSIFICATION  
(IPC UNION)**

**COMMITTEE OF EXPERTS**

**Twenty-Seventh Session  
Geneva, October 21 to 30, 1998**

**REQUESTS FOR REVISION OF THE  
INTERNATIONAL PATENT CLASSIFICATION (IPC)**

*Document prepared by the International Bureau*

1. This document contains IPC revision requests received by the International Bureau of WIPO, as indicated below:

| Annex | Subclass       | Requesting Office |
|-------|----------------|-------------------|
| 1     | A 47 B, G 06 K | SE                |
| 2     | A 61 K         | ES                |
| 3     | A 61 K         | ES                |
| 4     | B 01 D         | GB                |
| 5     | B 30 B         | PT                |
| 6     | C 08 J         | GB                |

| Annex | Subclass | Requesting Office |
|-------|----------|-------------------|
| 7     | C 10 B   | RU                |
| 8     | F 16 N   | PT                |
| 9     | F 23 C   | SE                |
| 10    | G 01 C   | GB                |
| 11    | G 01 M   | RU                |
| 12    | G 21 B   | RU                |

2. *The Committee of Experts is invited to consider the IPC revision requests contained in Annexes 1 to 12 to this document.*

[Annexes follow]

## ANNEX 1/ANNEXE 1

**REQUEST FOR REVISION OF THE IPC**Subclasses: **A47B, G06K**1. Demarcation of the area to be revised: **A47B 21/00, G06K 11/00**

2. Reasons for the request:

|  |     |
|--|-----|
| (a) X-notations (Category A request)               | [ ] |
| (b) Clarification of wordings (Category B request) | [ ] |
| (c) Other reasons (Category C request)             | [X] |

Explanation of (b) and (c):

- The A47B 21/00 title is old-fashioned and does not allow classification of modern office equipment.
- The A47B 21/00 file size is relatively large, even though the growth rate does not fulfil the quantitative criteria.
- There is no clear provision for mouse-mats, resulting in inconsistent classification.
- The scope of existing groups A47B 21/02 to 21/04 will only be modified by allowing classification of documents relating to other machines than typewriters. No reclassification of documents in these groups will be necessary.

3. For requests under 2(c):

|                    |  |
|--------------------|--|
| (a) File size      | <b>21/00: 804 (PCT min., WIPO figures)</b> |
|                    | <b>21/02: 390</b>                          |
|                    | <b>21/03: 573</b>                          |
|                    | <b>21/04: 180</b>                          |
|                    | <b>11/18: 2051</b>                         |
| (b) Rate of growth | <b>21/00: 24 (PCT min., WIPO figures)</b>  |
|                    | <b>21/02: 0</b>                            |
|                    | <b>21/03: 17</b>                           |
|                    | <b>21/04: 0</b>                            |
|                    | <b>11/18: 97</b>                           |
| (c) Activity       | <b>Not established</b>                     |

4. Detailed proposal:

|  |     |
|--|-----|
| Submitted herewith                       | [X] |
| We are prepared to elaborate it          | [ ] |
| We are not in a position to elaborate it | [ ] |

5. General outline, possible solutions, options ,etc.:

- Widening the scope of A47B 21/00 to allow classification of tables for personal computers and the like.
- Creation of five new subgroups to A47B 21/00.
- Creation of a specific place for mouse-mats in G06K.

**Swedish Patent and Registration Office**

Date: 27 January 1998

Anders Bruun

# Swedish Patent and Registration Office

DETAILED PROPOSAL  
Date: 27 January 1998  
Subclasses: A47B, G06K

## A47B

C 21/00 *Tables or desks specially adapted for office machines, e.g. personal computers or typewriters; Auxiliary devivices intended for attachment to such tables or desks (mouse-mats or mouse platforms per se G06K 11/22)*

N 21/005 . . *with adjustable parts, e.g. leaves, arm-rests, wrist supports or mouse platforms (21/08 takes precedence)* <Example: US5174223>

N 21/01 . . *universally adjustable*

C 21/02 . . *vertically adjustable only*

C 21/03 . . *horizontally adjustable or extensible only (drawers 88/00)*

C 21/04 . *with means for holding or fastening office machines*

N 21/06 . . *including means for preventing theft or unauthorised access*  
<Example: DE4324846>

N 21/08 . *with under-desk displays* <Examples: US5572935, US5544594>

N 21/10 . *with means for holding, fastening or concealing cables* <Examples: US5277131, US5237935, US5231562>

## G06K

C 11/06 . . . . *an electric signal; Accessories therefor*

N 11/22 . . . . *Mouse-mats; Mouse platforms (attachable to tables A47B 21/00)*  
<Example: US5556061 >

N 11/24 . . . . *specially adapted for resting on the leg or arm of the user*  
<Example: US5355811>

[Annex 2 follows/  
L'annexe 2 suit]

## ANNEX 2/ANNEXE 2

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): **A 61 K** .....

---

1. Demarcation of the area to be revised: **A 61K 7/06**

---

2. Reasons for the request: Explanation of (b) and (c)  
(Revision requests without detailed explanation of these reasons are likely to be rejected):

- (a) X-notation(s)  
(Category A request)
- (b) Clarification of wordings  
(Category B request)
- (c) Other reasons  
(Category C request)

ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation, or on sufficiently persuasive reasons

---

3. For requests under 2(c):

|     |   |                         |
|-----|---|-------------------------|
| (a) | File size (country of origin, number of documents)      | 7653                    |
| (b) | Rate of growth (country of origin, number of documents) | 757 (1995)<br>72 (1996) |
| (c) | Activity (searches per year)                            | 12                      |

---

4. Detailed proposal:

|                    |                                 |  |
|--------------------|---------------------------------|--|
| Submitted herewith | We are prepared to elaborate it | We are not in a position to elaborate it |
|--------------------|---------------------------------|--|

---

5. General outline, possible solutions, options, etc.:

**A 61K 7/06** .. Preparations, e.g. lotions or powders, for care of the hair; Preparations to promote hair growth or to aid in hair removal, e.g. shaving preparations

We propose to create a new group of two dots (...7/065) and two new subgroups under it (... 7/0653 and ... 7/0657)

**7/065** .. Preparations to promote hair growth, or to prevent hair loss or alopecia  
**7/0653** ... the active ingredients being chemicals  
**7/0657** ... the active ingredients being biological extracts (animal, plant or micro-organisms) with or without chemicals.

---

Proposing Office: Spanish Patent and Trademark Office .....

Date: ....30...January....1998..... Signature ....Asha Sukhwani.....

IPC/CE/27/9  
Annex 2/Annexe 2  
page 2

IPC DETAILED PROPOSAL

Page No.: .....1..

(Please use separate form for each class or subclass)

No. Of pages: .....1..

Project: C..... Office:....OEPM..... Date: ....30 January 1998..... Class/Subclass: **A 61 K**

Type of amendment:: C = Change of scope D = Deletion of the entry N = Creation of the entry Translation of :

| Type | Place              | Wording   | Remarks  |
|------|--------------------|---|--|
|      | <b>A 61 K 7/06</b> | . Preparations, e.g. lotions or powders, for care of the hair; Preparations to promote hair growth or to aid in hair removal, e.g. shaving preparations |  |
| N    | <b>7/065</b>       | .. Preparations to promote hair growth, or to prevent hair loss or alopecia   |  |
| N    | <b>7/0653</b>      | ... the active ingredients being chemicals  | EP519819,<br>EP0423714   |
| N    | <b>7/0657</b>      | ... the active ingredients being biological extracts (animal, plant or micro-organisms) with or without chemicals                                       | WO926186,<br>EP0498924,<br>EP0289639,<br>EP0383467,<br>EP0234261 |

[Annex 3 follows/  
L'annexe 3 suit]

## ANNEX 3/ANNEXE 3

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): .....**A61K**.....

---

1. Demarcation of the area to be revised: **A61K 7/48**

---

2. Reasons for the request: Explanation of (b) and (c)  
(Revision requests without detailed explanation of these reasons are likely to be rejected):

(a) X-notation(s)  
(Category A request)

(b) Clarification of wordings  
(Category B request)

(c) Other reasons  
(Category C request)

ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation, or on sufficiently persuasive reasons

---

3. For requests under 2(c):

|   |                           |
|---|---------------------------|
| (a) File size (country of origin, number of documents)      | 9901                      |
| (b) Rate of growth (country of origin, number of documents) | 1122 (1995)<br>134 (1996) |
| (c) Activity (searches per year)                            | 14                        |

---

4. Detailed proposal:

|                    |                                 |  |
|--------------------|---------------------------------|--|
| Submitted herewith | We are prepared to elaborate it | We are not in a position to elaborate it |
|--------------------|---------------------------------|--|

---

5. General outline, possible solutions, options, etc.:

We propose to create two new subgroups of two dots (7/487 and 7/493) under the existing group A61K 7/48:

**A 61 K 7/48** . Preparations for the care of the skin (7/02, 7/40 take precedence)

**7/487** .. the active ingredients being chemicals

**7/493** .. the active ingredients being biological extracts (animal, plant or micro-organisms) with or without chemicals.

---

Proposing Office: ...Spanish Patent and Trademark Office .....

Date: ....30...January....1998..... Signature.....Asha Sukhwani.....

IPC DETAILED PROPOSAL  
(Please use separate form for each class or subclass)

Page No.: ..1  
No. Of pages: 1

Project: C..... Office:.....OEPM..... Date: .30 ...January ..1998..... Class/Subclass: ...A 61 K ..

Type of amendment: C = Change of scope D = Deletion of the entry N = Creation of the entry Translation of : .....

| Type | Place            | Wording  | Remarks  |
|------|------------------|--|--|
|      | <b>A61K 7/48</b> | . Preparations for the care of the skin (7/02, 7/40 take precedence)   |  |
| N    | <b>7/487</b>     | .. the active ingredients being chemicals<br><br>WO9407463   | WO9307856,<br>WO9405255                              |
| N    | <b>7/493</b>     | .. the active ingredients being biological extracts (animal, plant or micro-organisms) with or without chemicals | WO9402118,<br>WO9111169,<br>WO 9501159,<br>WO9414414 |

[Annex 4 follows/  
L'annexe 4 suit]

## ANNEX 4/ANNEXE 4

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): B 01 D

Demarcation of the area to be revised: B 01 D 15/08

## 2. Reasons for the request

|     |  | Comments explaining (b) and (c)   |
|-----|--|---|
| (a) | X-notation(s)<br><br>(Category A)  | <input type="checkbox"/>  |
| (b) | Clarification of wordings<br><br>(Category B)  | <input type="checkbox"/>  |
| (c) | Other reasons<br>(acceptance depending on file size and file growth of PCT minimum documentation; or on sufficiently persuasive reasons)<br><br>(Category C) | <input checked="" type="checkbox"/> Excessive file size makes searching inefficient (the scheme for G01N 30/00, which relates to similar technology, has 48 subgroups). |

## 3. For reasons under 2(c):

|     |  |      |
|-----|--|------|
| (a) | File size<br>(country of origin, number of documents)      | 2861 |
| (b) | Rate of growth<br>(country of origin, number of documents) | 232  |
| (c) | Activity<br>(Searches per year)                            | 199  |

## 4. Detailed proposal:

Submitted herewith

We are prepared to

We are not in a

elaborate a detailed proposal

position to elaborate a detailed proposal

## 5. General outline, possible solutions, options etc.: New subgroups of 15/08

Originating Office: GB

Date: 2 March 1998

Name: Jim Calvert

**B01D**

- 15/08 . Selective adsorption e.g. chromatography (investigating or analysing materials by chromatography G01N 30/00)
- N 15/10 . . characterised by the separation process
- N 15/12 . . . pre-treatment of sample or fluid carrier
- N 15/14 . . . sequence of elution and/or washing steps (US 5427686, US 5413762, US 5407580)
- N 15/16 . . . processes for isolating or recovering specific materials
- N 15/18 . . . . biological materials (WO 95/09907, US 5466377, US 5395856)
- N 15/20 . . . . . nucleotides or nucleic acids (WO 95/22053, US 5413762, WO 95/18137, US 5413708)
- N 15/22 . . . . . blood products (US 5403917, US 5403750)
- N 15/24 . . . . . antibodies (WO 95/22389, US 5429746)
- N 15/26 . . . . . specified organic compounds (WO 95/29003, US 5422007)
- N 15/28 . . . processes for separating enantiomeric or chiral species (US 5403898, WO 95/05879)
- N 15/30 . . . processes for separating components from crude oil
- N 15/32 . . characterised by apparatus construction (construction of particular types of chromatography apparatus 15/50 to 15/54)
- N 15/34 . . . sorbent materials therefor
- N 15/36 . . . . solid sorbents
- N 15/38 . . . . . inorganic, e.g. activated carbon or silicates
- N 15/40 . . . . . organic, e.g. macromolecular
- N 15/42 . . . . . anionic or cationic
- N 15/44 . . . . . polysaccharides, e.g. cellulose derivatives (15/42 takes precedence)
- N 15/46 . . . . gels

- N 15/48 . . . liquid sorbents
- N 15/50 . . . construction of liquid chromatography apparatus
- N 15/52 . . . construction of affinity chromatography apparatus
- N 15/54 . . . construction of gel permeation chromatography apparatus

[Annex 5 follows/  
L'annexe 5 suit]

## ANNEX 5/ANNEXE 5

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es) : B30B.....

## 1. Demarcation of the area to be revised: References after B30B11/00 main group

2. Reasons for the request: Explanation of (b) and (c)  
(revision requests without detailed explanation of these reasons are likely to be rejected):

(a) X-notations(s)  
(Category A request)

(b) Clarification of wordings : The references after B30B11/00 subgroup are uncompleted. The IPC-user (Category B request) may be confused when deciding if a press machine for manufacture of puffpaste boxes for pastry should be classified under this entry.

(c) Other reasons  
(Category C request)

ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation, or on sufficiently persuasive reasons

3. For requests under 2(c):

(a) File size (country of origin, number of documents)

(b) Rate of growth (country of origin, number of documents)

(c) Activity (searches per year)

#### 4. Detailed proposal:

Submitted herewith YES We are prepared to elaborate it .. We are not in a position to elaborate

5. General outline, possible solutions, options, etc.: To avoid any possible overlap between B30B11/00 and A21C (namely A21C3/00,11/00) we suggest to introduce a note after B30B 11/00 pointing to A21C (which includes presses specially adapted for processing doughs).

Proposing Office: INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL .....  
PORTUGUESE NATIONAL INSTITUTE OF INDUSTRIAL PROPERTY

Date: 14.01.98..... Signature: José P. da Silva Carvalho.....

**INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL**  
**Direcção de Serviços de Patentes**  
\*\*\*  
**PORTUGUESE NATIONAL INSTITUTE OF INDUSTRIAL PROPERTY**  
**Patent Services Directorate**

---

**IPC REVISION PROGRAM FOR THE 1998-1999 BIENNIUM**

When classifying patent document PT 101536 (from the family of document EP0695505) we noted that this document could at a first sight be easily classified under B30B11/00, concerning "Presses specially adapted for forming shaped articles from material in particulate or plastic state", if the classifier was not aware of the existing entry A21C11/00, concerning "Other machines for forming the dough into its final shape before cooking or baking", which includes presses for forming dough pieces.

Of course we could say that an expert probably wouldn't have any doubt. Nevertheless, in cases which are similar, IPC includes after B30B11/00 two references concerning, presses for clay or mixtures containing cement (B28B) and also, presses for plastics (B29). This is done perhaps because IPC is not only to be used by experts but also, by other users.

Thus, we think there are good reasons to give supplemental information to IPC-user adding a further reference after B30B11/00. We note that presses for doughs are spread away for several main groups from A21C, namely 3/00 and 11/00. So, we propose a reference in the following lines:

B30B11/00 Presses specially adapted--- tabletting presses (for doughs A21C; for clay or mixtures containing cement B28B; for plastics B29)

The suggested change in the reference note is underlined.

We invite all comments on this proposal by the Colleagues from the other Patent Offices.

\*\*\*

Lisboa, 14.01.98  
J.P. da Silva Carvalho

[Annex 6 follows/  
L'annexe 6 suit]

## ANNEX 6/ANNEXE 6

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): C08J

Demarcation of the area to be revised: C08J title

## 2. Reasons for the request

Comments explaining (b) and (c)

(a) X-notation(s)

(Category A)

(b) Clarification of wordings

Wording of reference to B 29 in C08J title is not adequate to indicate subject matter classified in B 29. "Mechanical aspects" is unnecessarily vague and misleads the classifier.

(Category B)

(c) Other reasons

(acceptance depending on file size and file growth of PCT minimum documentation; or on sufficiently persuasive reasons)

(Category C)

## 3. For reasons under 2(c):

(a) File size  
(country of origin, number of documents)

(b) Rate of growth  
(country of origin, number of documents)

(c) Activity  
(Searches per year)

## 4. Detailed proposal:

Submitted herewith

We are prepared to

We are not in a

elaborate a detailed proposal

position to elaborate a detailed proposal

## 5. General outline, possible solutions, options etc.:

Originating Office: GB

Date: 26 January 1998

Name: Jim Calvert

**C 08 J WORKING -UP; GENERAL PROCESSES OF  
COMPOUNDING; AFTER-TREATMENT NOT COVERED BY  
SUBCLASSES C 08 B, C, F, G ( working of plastics B 29; layered  
products -----)**

[Annex 7 follows/  
L'annexe 7 suit]

## ANNEX 7/ANNEXE 7

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): **C10B**

|   |  |  |  |                          |
|---|--|--|--|--------------------------|
| 1.  | Demarcation of the area to be revised: <b>53/00</b>        |  |  |                          |
| 2.  | Reasons for the request (see paragraph 1 of the Annex)     | Explanation of (b) and (c) (revision request without detailed explanation of these reasons are likely to be rejected): |  |                          |
|   | (a) X-notation(s)<br>(Category A request)                  | <input type="checkbox"/>   |  |                          |
|   | (b) Clarification of wordings<br>(Category B request)      | <input type="checkbox"/>   |  |                          |
|   | (c) Other reasons<br>(Category C request)                  | <input checked="" type="checkbox"/>  | There are a lot of documents concerning treatment of wastes in this group. It is expediently to create new subgroups covering treatment of waste materials |                          |
| <p>ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation (see paragraph 9 of the Annex), or on sufficiently persuasive reasons (see paragraph 10 of the Annex)</p> |  |  |  |                          |
| 3.  | For requests under 2(c):                                   |  |  |                          |
| (a)   | File size<br>(country of origin, number of documents)      | 1124   |  |                          |
| (b)   | Rate of growth<br>(country of origin, number of documents) | 84 (1995)<br>68 (1996)   |  |                          |
| (c)   | Activity<br>searches per year)                             |  |  |                          |
| 4.  | Detailed proposal:   |  |  |                          |
| Submitted herewith  |  | <input checked="" type="checkbox"/>  | We are prepared to elaborate it  | <input type="checkbox"/> |
|   |  |  | We are not in a position to elaborate it   | <input type="checkbox"/> |
| 5.  | General outline, possible solutions, options, etc:         |  |  |                          |

Proposing Office: **RU**

Date: 29.01.1998

Signature: L. Belous

## RU DETAILED PROPOSAL

Project: **Class/Sub-class: C 10 B** Office: RU Date: 08/10/98 15:01

**Page 2 of 2**

Type of amendment: C = Change of scope Translation of:

D = Deletion of the entry

N = Creation of the entry

| Type | Place  | Wording                           |  |
|------|--------|-----------------------------------|--|
| N    | 53/07  | . of waste materials              | EP 0324668<br>US 5114541               |
| N    | 53/071 | . . synthetic polymeric materials | GB 1507138<br>EP 0468073<br>US 5084141 |

[Annex 8 follows/  
L'annexe 8 suit]

## ANNEX 8/ANNEXE 8

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es) : F16N.....

1. Demarcation of the area to be revised: Note after subclass title

2. Reasons for the request:

Explanation of (b) and (c)  
(revision requests without detailed  
explanation of these reasons are likely to be  
rejected):

(a) X-notations(s)

(Category A request)

(b) Clarification of wordings : The note after the subclass title is very uncompleted and doesn't give  
(Category B request) enough guidance to IPC-user

(c) Other reasons

(Category C request)

ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum  
documentation, or on sufficiently persuasive reasons

3. For requests under 2(c):

(a) File size (country of origin, number of documents)

(b) Rate of growth (country of origin, number of documents)

(c) Activity (searches per year)

4. Detailed proposal:

Submitted YES  
herewithWe are prepared  
to elaborate it ...We are not in a position  
to elaborate5. General outline, possible solutions, options, etc.: To complete the list of references to specific  
applications of lubricating devicesProposing Office:INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL .....  
PORTUGUESE NATIONAL INSTITUTE OF INDUSTRIAL PROPERTY

Date: 14.01.98.....Signature: José P. da Silva Carvalho.....

**INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL**  
**Direcção de Serviços de Patentes**  
\*\*\*  
**PORtUGUESE NATIONAL INSTITUTE OF INDUSTRIAL PROPERTY**  
**Patent Services Directorate**

---

**IPC REVISION PROGRAM FOR THE 1998-1999 BIENNIUM**

**Detailed proposal by the Portuguese Patent Office concerning completion of reference notes after the title of subclass F16N which refers to "Lubricating".**

**F16N** is a general subclass and, for that reason, the existing note after the subclass title calls the attention of the IPC-user to several places where we can find specific applications of lubrication. Although we can argue if this list should be exhaustive, it is clear to us, that if there is any note it should be reasonably complete and informative. We believe that the list of references is too much uncompleted and, for that reason we propose several aditions which even if they are not exhaustive, certainly can give a better guidance to the IPC-user.

**Proposed aditions to the note after F16N subclass:**

- B21B25/04 Lubricating mandrels for metal tube rolling mills**
- B21B27/06 Lubricating rolls for making or processing tubes**
- B21D37/18 Lubricating tools from machines for working metal without removing material**
- B22D11/07 Lubricating moulds for continuous casting of metals**
- B23Q11/00 Lubricating tolls,work or mechanical parts in machine tolls**
- B23C5/28 Lubricating of milling-cutters**
- B23D59/00 Lubricating devices in sawing machines for metal**
- B26B19/40 Lubricating hair clippers or dry shavers**
- B27B13/12 Lubricating devices specially designed for band saw blades for wood or the like**

**B61F17/00 Lubrication specially adapted for axle-boxes of rail vehicles**

**B62J31/00 Installations of lubricating devices for cycles**

**B65G45/02 Lubricating devices for conveyers**

**D01H7/20 Lubricating arrangements for spindles**

**D05B71/00 Lubricating devices for sewing machines**

**D05C13/04 Lubricating devices for embroidering machines**

**F01B31/10 Lubricating arrangements of steam engines**

**F01M3/00 Lubricating specially adapted for crankcase engines**

**F02C7/06 Lubricating of Gas-turbine plants**

**F16C1/24 Lubricating of flexible shafts**

**F41A29/04 Lubricating means for smallarms or ordnance**

**We invite all comments on this proposal by the Colleagues from the other Patent Offices, waiting their contributions to improve this list of references.**

\*\*\*

**Lisboa, 14.01.98**

**J.P. da Silva Carvalho**

[Annex 9 follows/  
L'annexe 9 suit]

## ANNEX 9/ANNEXE 9

**REQUEST FOR REVISION OF THE IPC**Subclass: **F23C**

---

1. Demarcation of the area to be revised: **F23C 11/00**

---

2. Reasons for the request:

|  |     |
|--|-----|
| (a) X-notations (Category A request)               | [ ] |
| (b) Clarification of wordings (Category B request) | [ ] |
| (c) Other reasons (Category C request)             | [X] |

Explanation of (b) and (c):

- **High number of documents in F23C 11/00, where a majority of offices classify apparatus for catalytic combustion.**
- **In IPC6, catalytic combustion is only specifically provided for in two application places, F23D 14/18 and F23R 3/40, not in any general place. This leads to inconsistent classification.**

---

3. For requests under 2(c):  

|                    |   |
|--------------------|---|
| (a) File size      | <b>3935 (PCT min., WIPO figures)</b>    |
| (b) Rate of growth | <b>253 (PCT min., WIPO figures)</b>     |
| (c) Activity       | <b>15 searches per year (SE office)</b> |

---

4. Detailed proposal:

|  |     |
|--|-----|
| Submitted herewith                       | [X] |
| We are prepared to elaborate it          | [ ] |
| We are not in a position to elaborate it | [ ] |

---

5. General outline, possible solutions, options ,etc.:

- **Creation of a new main group for catalytic combustion, with five subgroups. We estimate that between 500 and 1000 documents will be covered by the proposed groups.**
- **Introduction of reference in F23B 5/00, indicating that all catalytic combustion is to be gathered in the new main group.**

---

**Swedish Patent and Registration Office**

Date: 27 January 1998

Anders Bruun

# Swedish Patent and Registration Office

DETAILED PROPOSAL  
Date: 27 January 1998  
Subclass: F23C

## F23C

C 3/00 - - - combustion chamber (10/00, **13/00 take** precedence)

C 5/00 - - - (1/00, 10/00, 11/04, **13/00** take precedence)

C 6/00 - - - combustion chambers (10/00, **13/00 take** precedence)

C 7/00 - - - supply arrangements (10/00, **13/00 take** precedence; in general F23L)

C 9/00 - - - flue gases (10/00, **13/00 take** precedence)

C 10/00 - - - bed combustion apparatus (**13/00 takes precedence**)

C 11/00 - - - 1/00 to 10/00 **or 13/00**

N 13/00 *Combustion apparatus using catalytic material (radiant gas burners using catalysis for flameless combustion F23D 14/18; catalytic combustion chambers using liquid or gaseous fuel for generating combustion products under high pressure or high velocity F23R 3/40) <Example: US4515092>*

N 13/02 . *having two or more catalytic elements in series connection (13/08 takes precedence) <Examples: US4270896, US4299192>*

N 13/04 . *in combination with non-catalytic combustion (13/08 takes precedence) <Examples: US3928961, US4098567>*

N 13/06 . . *for afterburning of gases resulting from non-catalytic combustion (13/02 takes precedence) <Example: US4319556>*

N 13/08 . *characterised by arrangements for starting the operation, e.g. for heating the catalytic material to operating temperature <Examples: US5395235, US5421719>*

N 13/10 . *characterised by the choice of catalytic material (catalysts B01J 21/00 to 38/00) <Examples: US3925001, US4076486>*

## F23B

C 5/00 - - - pulverulent fuel F23C 9/00; *using catalytic material F23C 13/00*)

[Annex 10 follows/  
L'annexe 10 suit]

## ANNEX 10/ANNEXE 10

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es):G01C

Demarcation of the area to be revised: 11/00

## 2. Reasons for the request

Comments explaining (b) and (c)

(a) X-notation(s)

(Category A)

(b) Clarification of wordings

(Category B)

(c) Other reasons

(acceptance depending on file size and file growth of PCT minimum documentation; or on sufficiently persuasive reasons)

(Category C)

Stereogrammetry is classified in various areas currently and we think the situation needs clarification. Many documents currently classified in G06 T 7/00 are only digital realisations of G 01 C 11/00

## 3. For reasons under 2(c):

(a) File size 500

(country of origin, number of documents)

(b) Rate of growth 100

(country of origin, number of documents)

(c) Activity 50

(Searches per year)

## 4. Detailed proposal:

Submitted herewith

We are prepared to

We are not in a

elaborate a detailed proposal

position to elaborate a detailed proposal

## 5. General outline, possible solutions, options etc.:

Originating Office: GB

Date: 2 March 1998

Name: Jim Calvert

**C 11 / 00** **Photogrammetry; Photographic surveying; Stereogrammetry**  
(cameras combined with surveying instruments, e.g. with theodolite, 1/00, 3/00, 5/00, 9/00; surveying cameras G 03 B 37/00)

*[Examples of stereogrammetry - WO 97/13218A1, WO 97/01135A2, EP 0782100A2, EP 0762327A2]*

**C G 06 T** **IMAGE DATA PROCESSING OR GENERATION, IN GENERAL**  
(specially adapted for particular applications see the relevant subclasses, e.g. G 01 C, G 06 K, G 09 G, H 04 N)

[Annex 11 follows/  
L'annexe 11 suit]

## ANNEX 11/ANNEXE 11

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): **G 01 M**

|     |  |  |  |                                       |
|-----|--|--|--|---------------------------------------|
| 1.  | Demarcation of the area to be revised: <b>15/00</b>  |  |  |                                       |
| 2.  | Reasons for the request (see paragraph 1 of the Annex)   | Explanation of (b) and (c) (revision request without detailed explanation of these reasons are likely to be rejected): |  |                                       |
|     | (a) X-notation(s)<br>(Category A request)  | <input type="checkbox"/>   |  |                                       |
|     | (b) Clarification of wordings<br>(Category B request)  | <input type="checkbox"/>   |  |                                       |
|     | (c) Other reasons<br>(Category C request)  | <input checked="" type="checkbox"/> X  |  |                                       |
|     | ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation (see paragraph 9 of the Annex), or on sufficiently persuasive reasons (see paragraph 10 of the Annex) |  |  |                                       |
| 3.  | For requests under 2(c):   |  |  |                                       |
| (a) | File size<br>(country of origin, number of documents)  | 4620   |  |                                       |
| (b) | Rate of growth<br>(country of origin, number of documents)   | 1995   | 1996                                     | 430 338                               |
| (c) | Activity<br>searches per year)   |  |  |                                       |
| 4.  | Detailed proposal:   |  |  |                                       |
|     | Submitted herewith   | <input type="checkbox"/>   | We are prepared to elaborate it          | <input checked="" type="checkbox"/> X |
|     |  |  | We are not in a position to elaborate it | <input type="checkbox"/>              |
| 5.  | General outline, possible solutions, options, etc: <b>We think useful to introduce some new subgroups under G01M 15/00</b>   |  |  |                                       |

Proposing Office: **RU**

Date:

Signature: **L. Tsikounova**[Annex 12 follows/  
L'annexe 12 suit]

## ANNEX 12/ANNEXE 12

## REQUEST FOR REVISION OF THE IPC

Class(es) or subclass(es): **G 21 B**

|   |  |  |  |                          |  |                          |
|---|--|--|--|--------------------------|--|--------------------------|
| 1.  | Demarcation of the area to be revised: <b>1/00, 1/02</b>   |  |  |                          |  |                          |
| 2.  | Reasons for the request (see paragraph 1 of the Annex)     | Explanation of (b) and (c) (revision request without detailed explanation of these reasons are likely to be rejected): |  |                          |  |                          |
|   | (a) X-notation(s)<br>(Category A request)                  | <input type="checkbox"/>   |  |                          |  |                          |
|   | (b) Clarification of wordings<br>(Category B request)      | <input type="checkbox"/>   |  |                          |  |                          |
|   | (c) Other reasons<br>(Category C request)                  | <input checked="" type="checkbox"/>  | An excessive quantity of documents in group 1/00 makes difficult the performance of the search |                          |  |                          |
| <p>ATTENTION: Acceptance of the request depends on file size and file growth of the PCT minimum documentation (see paragraph 9 of the Annex), or on sufficiently persuasive reasons (see paragraph 10 of the Annex)</p> |  |  |  |                          |  |                          |
| 3.  | For requests under 2(c):                                   |  |  |                          |  |                          |
| (a)   | File size<br>(country of origin, number of documents)      | 3247   |  |                          |  |                          |
| (b)   | Rate of growth<br>(country of origin, number of documents) | 142 (1995)   | 124 (1996)   |                          |  |                          |
| (c)   | Activity<br>searches per year                              |  |  |                          |  |                          |
| 4.  | Detailed proposal:   |  |  |                          |  |                          |
| Submitted herewith  |  | <input checked="" type="checkbox"/>  | We are prepared to elaborate it  | <input type="checkbox"/> | We are not in a position to elaborate it | <input type="checkbox"/> |

5. General outline, possible solutions, options, etc:

Proposing Office: **RU**

Date: 28.01.1998

Signature: A. Ershova

## RU DETAILED PROPOSAL

Project: **Class/Sub-class: G 21B** Office: RU Date: 08/10/98 15:30

**Page 2 of 3**

Type of amendment: C = Change of scope Translation of:

D = Deletion of the entry

N = Creation of the entry

| Type | Place | Wording   |                           |
|------|-------|---|---------------------------|
| C    | 1/00  | Alleged controlled fusion reactors (heating or handling plasma H05H 1/02) |                           |
| N    | 1/01  | . with inertial plasma confinement  | FR 2112057                |
| D    | 1/02  | (transferred to 1/00 - 3/00)  |                           |
| N    | 1/03  | . with magnetic plasma confinement  | US 4618470                |
| N    | 1/05  | . Hybrid fission-fusion reactors  | WO 94/29872               |
| N    | 1/07  | . . Conversion systems of neutron energy                                  | US 4297165                |
| N    | 1/09  | . . Regeneration systems of nuclear fuel (fuel elements G21 3/02)         | US 4663110                |
| N    | 1/11  | . Details   | US 4698197                |
| N    | 1/13  | . . First wall; Blanket   | US 4696781<br>US 4698198  |
| N    | 1/15  | . . Injectors of particles  | US 4349505<br>US 4650631  |
| N    | 1/17  | . . Vacuum chambers   | US 4303473<br>US 4663108  |
| N    | 1/19  | . . Targets, e.g. for laser fusion  | US 4634567<br>US 4687618  |
| N    | 1/21  | . . Electric and electromagnetic power supply systems                     | DE 3447679<br>GB 2171243  |
| N    | 1/23  | . . Optical systems   | US 4341730                |
| N    | 3/00  | Cold fusion reactors  | EP 0643777<br>WO 90/00301 |

|   |      |   |  |
|---|------|---|--|
| N | 3/02 | . using means for saturation of the working media by hydrogen isotopes, e.g., gas-phase saturation, electrochemical or electric discharge means | EP 392325<br>DE 4008040<br>DE 3910806    |
| N | 3/04 | . .with the additional applied action, i.e. radiation, acoustic or mechanical means   | US 4333796<br>WO 95/16995<br>WO 95/23413 |
| N | 3/06 | .using beams of particles, e.g. muon - catalysed fusion   | DE3920312                                |

[End of Annex 12 and of document/  
Fin de l'annexe 12 et du document]