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NEWSLETTER

August 1999

No. 08/1999

NEW PCT CONTRACTING STATE

Morocco (country code: MA)

On 8 July 1999, Morocco deposited its instrument of accession to the PCT, and on 8 October 1999, will become bound by the PCT. Consequently, in any international application filed on or after 8 October 1999, Morocco may be designated and, because it will be bound by Chapter II of the PCT, may also be elected. Furthermore, nationals and residents of Morocco will be entitled from 8 October 1999 to file international applications under the PCT.

SIERRA LEONE: FURTHER INFORMATION ON DESIGNATIONS FOR AN ARIPO PATENT

Further to the accession of Sierra Leone to the Harare Protocol within the framework of the African Regional Industrial Property Organization (ARIPO) (see *PCT Newsletter* No. 05/1999), all international applications whose international filing date is on or after 25 February 1999 and which contain a designation for an ARIPO patent ("AP") expressed so as to include any State which is a Contracting State of the Harare Protocol and of the PCT are considered to include the designation of Sierra Leone ("SL") for the purposes of obtaining an ARIPO patent. It should be noted that, even where that fact is not reflected in the Notification of receipt of record copy (Form PCT/IB/301),

the records of the International Bureau will be modified accordingly and the international applications concerned, when published in the form of pamphlets and in the *PCT Gazette*, will include that designation. **No action is required on the part of applicants.**

PCT GAZETTE

Full text of published PCT applications available on Internet

Users of the electronic version of the *PCT Gazette* (<http://pctgazette.wipo.int>) may now access the full text of published PCT applications by clicking on the button entitled "View Images" which

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appears in the top left corner of the online *Gazette* entry. This button is a link to the EPO's esp@cenet service where the full text of the published pamphlets is held in image format—users may choose to view the bibliographic data, description, claims and drawings. This feature is available in relation to PCT applications published from 1 January 1997 to those relating to the last but two publication weeks (which means that, at any time, the last two publication weeks of the *Gazette* will not contain the link).

PCT Gazette Index 1998

A bilingual (English/French) 1998 Index of the *PCT Gazette* will be published on 12 August 1999. The Index is over 1,400 pages long and contains, for international applications published in 1998, a consolidated version of the indexes published in Section III and an index to Section IV of the *PCT Gazette*. The indexes relating to Section III are of:

- (1) international application numbers and their corresponding international publication numbers;
- (2) names of all applicants together with the corresponding international publication numbers of their international applications; and
- (3) international publication numbers grouped according to International Patent Classification symbols.

The part relating to Section IV contains indexes of the notices and information of a general character which were published in Section IV of the *PCT Gazette*.

Subscribers to the *PCT Gazette* will receive the Index together with *PCT Gazette* No. 32/1999. For those who do not subscribe to the *PCT Gazette*, the Index is available for purchase at a price of 18 Swiss francs (or by airmail: 24 Swiss francs in Europe and 31 Swiss francs outside Europe) or, for residents of the United States of America, 15 US dollars (or by airmail: 26 US dollars). Orders should be addressed to the Information Products Section at WIPO:

fax: (41–22) 740 18 12
 e-mail: publications.mail@wipo.int
 mailing address: see cover page

PCT MATERIALS ON INTERNET (<http://www.wipo.int>)

*PCT Gazette**
 PCT Information Line
PCT Newsletter (Nos. 01/1997–08/1999*)
PCT Applicant's Guide
 PCT-EASY
 Recent PCT press releases/updates
 PCT seminar calendar*
Basic Facts about the PCT
 The PCT in 1998
 About the Treaty
 Text of the Patent Cooperation Treaty
 Status of ratifications
 Text of the Regulations under the PCT
 Administrative Instructions under the PCT
 PCT Receiving Office Guidelines
 PCT International Search Guidelines
 PCT International Preliminary Examination Guidelines
 Direct filing of PCT applications with the International Bureau as PCT receiving Office
 PCT forms
 PCT Assembly documents: 1997, 1998

*New or revised since last issue of the *PCT Newsletter*

* * *

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BUDAPEST TREATY ACCESSION

Romania

On 25 June 1999, Romania deposited its instrument of accession to the Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purposes of Patent Procedure. That Treaty will enter into force with respect to Romania on 25 September 1999.

PCT INFORMATION UPDATE

AU Australia (fees)

As from 1 September 1999, there will be a change in the equivalent amounts of the following fees payable to the Australian Patent Office as receiving Office, as well as a change in the equivalent amount of the PCT-EASY fee reduction:

basic fee, supplement per sheet over 30, designation fee and PCT-EASY fee reduction: see Table I(a) and footnotes

(Updating of *PCT Applicant's Guide*, Vol. I/B, Annex C (AU))

CH Switzerland (language of filing of the international application)

It is now possible to file international applications with the Swiss Federal Intellectual Property Institute as receiving Office in English, in addition to French or German.

(Updating of *PCT Applicant's Guide*, Vol. I/B, Annex C (CH))

IL Israel (e-mail address; fees)

The Israel Patent Office has an additional e-mail address, as follows:

e-mail: igjppelt@trendline.co.il

The amount of the following fee, payable to that Office as receiving Office, has changed:

transmittal fee: see Table I(a)

The amount of the following national fee, payable to that Office as designated and elected Office, has changed:

filing fee: ILS 815

(Updating of *PCT Applicant's Guide*, Vol. I/A, Annex B1 (IL), Vol. I/B, Annex C (IL), and Vol. II/B, National Chapter, Summary (IL))

SG Singapore (fees)

As from 1 September 1999, there will be a change in the equivalent amounts of the following fees payable to the Registry of Patents (Singapore) as receiving Office, as well as a change in the equivalent amount of the PCT-EASY fee reduction:

basic fee, supplement per sheet over 30, designation fee and PCT-EASY fee reduction: see Table I(a) and footnotes

(Updating of *PCT Applicant's Guide*, Vol. I/B, Annex C (SG))

Handling fee (Australian Patent Office)

As from 1 September 1999, there will be a change in the equivalent amount of the handling fee, payable in AUD to the Australian Patent Office as International Preliminary Examining Authority, as indicated in Table II.

(Updating of *PCT Applicant's Guide*, Vol. I/B, Annex E (AU))

List of Contracting States

The pink tear-out provisional sheet for the *PCT Applicant's Guide*, Vol. I/A, Annex A (PCT Contracting States) includes Morocco and the date of entry into force of the PCT in respect of that State (see cover page for details).

PCT STATISTICS**1 January to 30 June 1999**

During the first six months of 1999, the International Bureau of WIPO received 36,097 international applications filed with PCT receiving Offices worldwide, representing an increase of 7.8% over the same period in 1998.

Of those 36,097 international applications filed, 2,488 (6.9%) were filed using the PCT-EASY software; as many as 30.5% of those 2,488 applications originated from applicants from Japan. As PCT users are becoming more aware of the benefits of using the PCT-EASY software, the share of PCT-EASY filings is showing a steady increase—during the month of June, such filings accounted for 12.9% of all international applications filed.

The number of demands for international preliminary examination filed under Chapter II during the same period amounted to 26,836, representing an increase of 10.9% over the same period last year.

MOST FREQUENT PCT USERS IN 1998

In 1998, 269 PCT applicants accounted for 34.9% (20,884) of the 59,597 international applications published, each with 25 or more such applications. Of these 269 applicants (in general, the first-named applicants in the applications concerned), 49.4% were from the United States of America, 14.9% from Japan, and 12.3% from Germany. There were 44 applicants in each of whose names more than 100 international applications were published. The largest PCT user in 1998 was Siemens Aktiengesellschaft, with 1,061 international applications published that year.

The list of the 269 most frequent PCT users in 1998 appears on pages 9 to 13.

PRACTICAL ADVICE***Withdrawal of designations***

Q: I am the agent for a company which is the applicant, together with two applicant/inventors, for an international application in which eight PCT Contracting States have been designated (the applicant/inventors are indicated as applicants for the purposes of the US designation only). The company has decided to restrict the number of States designated in the application by withdrawing the designations of three States, including that of the US. Could you explain the procedure for doing this, and tell me whether any fee is payable? Will I be entitled to a refund of those three designation fees, which have already been paid?

A: You may withdraw the designation of any State by way of a notice of withdrawal, preferably addressed to the International Bureau, provided that the notice is received before the expiration of 20 months from the priority date or, where PCT Article 39(1) applies in respect of the States concerned, prior to the expiration of 30 months from the priority date (see below). If you send the notice of withdrawal to the receiving Office (which you have the option to do under PCT Rule 90bis.2(d)), that Office will mark the date of receipt on the notice and will transmit it to the International Bureau; the notice will be considered to have been submitted to the International Bureau on the date marked.

Although you have the option to send the notice of withdrawal to the receiving Office, or, where PCT Article 39(1) applies, to the International Preliminary Examining Authority (IPEA), it is strongly recommended that any such notices of withdrawal be sent direct to the International Bureau. This is particularly important if the date of completion of technical preparations for international publication of the international application is close, since, in order to prevent the publication of the designations concerned, the notice of withdrawal must reach the International Bureau before those technical preparations have been completed (which is generally by the 15th day prior to the date of publication) (PCT Rule 90bis.2(e)). Sending the notice of withdrawal direct to the International Bureau will also ensure that the designated Offices concerned will be

informed of the withdrawal of the designations as soon as possible.

If you wish to withdraw the designation of a State which has been designated for the purposes of both a national and a regional patent, you should make it clear which of the designations is intended to be withdrawn. If there is no such clarification, the withdrawal of the designation of that State will be taken to mean the withdrawal only of the designation for the purpose of obtaining a national patent (see PCT Rule 90bis.2(b)).

The notice of withdrawal must be signed by all the applicants, including the applicant/inventors. If you have been appointed as agent by all the applicants, you may sign the notice on their behalf. No fee is payable for the withdrawal of designations (as is the case also for the withdrawal of priority claims or of the international application), but you will not be entitled to any refund of designation fees.

Since the applicant/inventors are applicants for the designation of the US only, and the designation of US is to be withdrawn, they will no longer be applicants for any of the designated States. You should therefore, submit, preferably together with the notice of withdrawal, a replacement first sheet of the request indicating the remaining applicant company as the only applicant (for all designated States) and indicating each of the former applicants for the US no longer as "applicant and inventor," but as "inventor only." If you fail to do this, however, it will not be considered as a defect in the application, and the request will be corrected *ex officio* by the receiving Office or by the International Bureau; whichever authority makes the correction will notify the other and the applicant accordingly. Note that you should not send a replacement second sheet of the request indicating the new status of designations—this will be corrected *ex officio* by the authority concerned.

Upon receipt of the notice of withdrawal, a confirmation of the withdrawal, including the date of receipt of the notice by the authority concerned, will be sent by the International Bureau to you, and to the designated Offices affected by the withdrawal if they have already been notified of their designation (*Administrative Instructions under the PCT*, Section 415(a)).

You did not indicate whether you have filed a demand for international preliminary examination, but note that, if you filed a demand before the expiration of 19 months from the priority date and the designated States that you now wish to withdraw were elected, the elections concerned may be withdrawn by way of a notice of withdrawal of those elections, preferably addressed to the International Bureau, provided that the notice is received before the expiration of 30 months from the priority date. If you submit the notice of withdrawal to the IPEA, that Authority will mark the date of receipt of the notice and transmit it to the International Bureau. The notice will be considered to have been submitted to the International Bureau on the date marked.

It is important to note, however, that if elections are withdrawn after the expiration of the time limit under PCT Article 22 for entry into the national phase, the withdrawal will be treated in each of the elected States concerned as a withdrawal of the international application for that State unless the national phase has already started in that State. If the withdrawal is effected before the expiration of that time limit, the international application will not be considered withdrawn in respect of the States concerned, but if the applicant fails to perform the acts referred to in PCT Article 22 within the applicable time limit, the effect of the international application will cease in those States with the same consequences as the withdrawal of any national application in those States (PCT Article 24(1)).

In any designated or elected Office where the processing or examination of the international application has already started under PCT Article 23(2) or 40(2), the withdrawal of the designation or election will have no effect (see PCT Rule 90*bis*.6(a)).

For further details on the withdrawal of designations and elections, see *PCT Applicant's Guide*, Vol. I/A, paras. 454–459 and paras. 462–3, respectively.

FORM RELATING TO ENTRY INTO THE REGIONAL PHASE BEFORE THE EUROPEAN PATENT OFFICE

If, in respect of an international application in which EP has been designated, the

European Patent Office (EPO) has not received the fees payable for entry into the regional phase by the expiration of 21 months from the priority date, the practice of the EPO is to send out EPO Form 1217. This form is a communication pursuant to EPC Rule 85a(1) reminding the applicant that he has not paid the required fees within the time limit under EPC Rule 104b(1), and informing him of a one month grace period within which the required fees (together with a 50% surcharge) may be paid.

Note that some PCT applicants may receive this form even when they have filed a demand for international preliminary examination before the expiration of 19 months from the priority date (thereby extending the time limit for entry into the regional phase from 21 to 31 months). This may occur where the EPO has not yet received the notification of its election. Applicants should be aware that EPO Form 1217 contains the following note concerning such cases:

“NOTE: If the present communication is despatched upon expiration of 21 months from the priority date, while the international preliminary examination under PCT Chapter II has been requested within the prescribed time limit and EP has been elected, thereby extending the time limit for entry into the regional phase before the EPO to 31 months, **applicants are invited to inform the EPO immediately** (OJ EPO 1992, 245).”

Applicants concerned should use the following general fax number in The Hague:

(31–70) 340 30 16

Any incoming faxes will be forwarded directly to the relevant files for treatment.

TYPES OF PROTECTION AVAILABLE IN PCT CONTRACTING STATES

Since the publication in *PCT Newsletter* No. 08/1998 of a table setting out, for each Contracting State, the types of protection which can be obtained via the PCT, several States have become bound by the PCT, and there have also been changes in the types of protection other than patents which are available in certain States. An update of that table appears on pages 6 to 8.

TYPES OF PROTECTION AVAILABLE VIA THE PCT IN PCT CONTRACTING STATES								
State	National patent	ARIPO patent (AP)	Eurasian patent (EA)	European patent (EP)	OAPI patent (OA)	Utility model instead of national patent	Utility model in addition to national patent	Other
AE ¹	X							
AL	X					X		Extension of EP patent ²
AM	X		X			X		Provisional patent
AT	X			X		X	X	Patent of addition
AU	X							Patent of addition, petty patent
AZ	X		X					
BA	X							Patent of addition
BB	X							
BE				X				
BG	X					X		
BR	X					X		Certificate of addition
BY	X		X			X		
CA	X							
CH + LI	X			X				
CN	X					X		
CR ^{1,3}	X							
CU	X							Patent of addition, inventor's certificate, inventor's certificate of addition
CY				X				
CZ	X					X	X	
DE	X			X		X	X	Patent of addition
DK	X			X		X	X	
DM ^{1,4}	X							
EE	X					X	X	
ES	X			X		X		Patent of addition
FI	X			X		X	X	
FR				X				
GB	X			X				
GD ¹	X							
GE	X					X		
GH	X	X				X		
GM	X	X						
GR				X				
HR	X							Patent of addition
HU	X					X		

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TYPES OF PROTECTION AVAILABLE VIA THE PCT IN PCT CONTRACTING STATES <i>[continued]</i>								
State	National patent	ARIPO patent (AP)	Eurasian patent (EA)	European patent (EP)	OAPI patent (OA)	Utility model instead of patent	Utility model in addition to patent	Other
ID	X							
IE				X				
IL	X							Patent of addition
IN	X							Patent of addition
IS	X							
IT				X				
JP	X					X		
KE	X	X				X		
KG	X		X			X		Provisional patent
KP	X							Inventor's certificate
KR	X					X		
KZ	X		X			X		Provisional patent
LC	X							
LK	X							
LR	X							
LS	X	X				X		
LT	X							Extension of EP patent ²
LU	X			X				
LV	X							Extension of EP patent ²
MA ^{1,5}	X							
MC				X				
MD	X		X			X		
MG	X							Certificate of addition
MK	X							Patent of addition, extension of EP patent ²
MN	X							
MW	X	X						Patent of addition
MX	X					X		
NL				X				
NO	X							
NZ	X							Patent of addition
PL	X					X		
PT	X			X		X		
RO	X							Extension of EP patent ²
RU	X		X			X		

[continued over page]

TYPES OF PROTECTION AVAILABLE VIA THE PCT IN PCT CONTRACTING STATES [continued]								
State	National patent	ARIPO patent (AP)	Eurasian patent (EA)	European patent (EP)	OAPI patent (OA)	Utility model instead of patent	Utility model in addition to patent	Other
SD	X	X						
SE	X			X				
SG	X							
SI	X							Patent of addition, extension of EP patent ²
SK	X					X	X	
SL	X	X				X		
SZ		X						
TJ	X		X			X		
TM	X		X					Provisional patent
TR	X					X		Patent of addition
TT	X							Utility certificate
TZ ^{1,6}	X							
UA	X					X		
UG	X	X						Utility certificate
US	X							
UZ	X					X		Provisional patent
VN	X					X		
YU	X							Patent of addition, petty patent
ZA	X							Patent of addition
ZW	X	X						Patent of addition
OAPI States ⁷					X	X (OAPI utility model)		OAPI certificate of addition

1 Information regarding any other type of protection is not yet available.

2 A request for an extension may be made at the time of entry into the regional phase before the European Patent Office, provided that the PCT application contained designations both for a European patent and of the State concerned. Such a request may not be made in the PCT request form itself. See the notes to the request form and the *PCT Applicant's Guide*, Vol. I/A, paragraphs 41 and 89 (of the July 1999 version of the *Guide*), and Vol. II/A, National Chapter (EP) for further details as to the procedure to be followed.

3 Will become bound by the PCT on 3 August 1999.

4 Will become bound by the PCT on 7 August 1999.

5 Will become bound by the PCT on 8 October 1999.

6 Will become bound by the PCT on 14 September 1999.

7 BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG.

MOST FREQUENT PCT USERS
(25 or more international applications published in 1998)

Rank	Applicant	Country of residence	No. published in 1998
1.	Siemens Aktiengesellschaft	DE	1,061
2.	The Procter & Gamble Company	US	819
3.	Philips	(NL and/or SE)	705
4.	Telefonaktiebolaget LM Ericsson	SE	608
5.	Robert Bosch GmbH	DE	498
6.	BASF Aktiengesellschaft	DE	433
7.	Minnesota Mining and Manufacturing Company	US	391
8.	Ericsson Inc.	US	325
9.	Motorola, Inc.	US	319
10.	Nokia Telecommunications Oy	FI	300
11.	E.I. Du Pont de Nemours and Company	US	295
12.	The Regents of the University of California	US	258
13.	Bayer Aktiengesellschaft	DE	257
14.	Hitachi, Ltd.	JP	242
15.	Matsushita Electric Industrial Co., Ltd.	JP	219
16.	The Whitaker Corporation	US	187
17.	ITT Manufacturing Enterprises, Inc.	US	180
18.	Eli Lilly and Company	US	179
19.	Unilever	(GB and/or NL)	176
20.	Northern Telecom Limited	CA	175
21.	Incyte Pharmaceuticals, Inc.	US	174
22.	The Dow Chemical Company	US	169
23.	Henkel Kommanditgesellschaft auf Aktien	DE	161
	Kimberly-Clark Worldwide Inc.	US	161
25.	Sony Corporation	JP	158
26.	Advanced Micro Devices, Inc.	US	153
27.	Seiko Epson Corporation	JP	152
28.	Merck & Co., Inc.	US	148
29.	Novartis AG	CH	144
30.	Novo Nordisk A/S	DK	142
31.	Exxon Chemical Patents Inc.	US	134
32.	Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.	DE	132
33.	Abbott Laboratories	US	121
	Alliedsignal Inc.	US	121
35.	Intel Corporation	US	119
36.	Komatsu Ltd.	JP	109
37.	Astra Aktiebolag	SE	104
	Shell Internationale Research Maatschappij B.V.	NL	104
	Smithkline Beecham Corporation	US	104
40.	British Telecommunications Public Limited Company	GB	103
41.	DSM N.V.	NL	101
	Eastman Chemical Company	US	101
	Honeywell Inc.	US	101
	Zeneca Limited	GB	101
45.	Daikin Industries, Ltd.	JP	100
46.	Qualcomm Incorporated	US	99
47.	Akzo Nobel N.V.	NL	98
	Thomson Consumer Electronics, Inc.	US	98
49.	Commissariat à l'Énergie Atomique	FR	97
50.	Corning Incorporated	US	93

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[Most frequent PCT users, continued]

Rank	Applicant	Country of residence	No. published in 1998
51.	Asea Brown Boveri AB	SE	92
52.	AT & T Corp.	US	91
	Rhodia Chimie	FR	91
54.	Smithkline Beecham plc	GB	90
55.	Tetra Laval Holdings & Finance S.A.	CH	89
56.	Mitsubishi Denki Kabushiki Kaisha	JP	86
57.	Bristol-Myers Squibb Company	US	85
	Human Genome Sciences, Inc.	US	85
	Valmet Corporation	FI	85
60.	Daimler-Benz Aktiengesellschaft	DE	84
	MCI Communications Corporation	US	84
62.	Henkel Corporation	US	83
63.	Merck Patent GmbH	DE	81
64.	Colgate-Palmolive Company	US	80
	Massachusetts Institute of Technology	US	80
66.	Schering Corporation	US	79
67.	Medtronic, Inc.	US	78
68.	The Board of Regents, the University of Texas System	US	76
69.	Boehringer Mannheim GmbH	DE	73
	Monsanto Company	US	73
71.	Centre National de la Recherche Scientifique (CNRS)	FR	72
72.	UT Automotive Dearborn, Inc.	US	69
73.	Exxon Research and Engineering Company	US	68
	Imperial Chemical Industries plc	GB	68
75.	Chisso Corporation	JP	66
76.	Genetics Institute, Inc.	US	65
77.	Ciba Specialty Chemicals Holding Inc.	CH	64
	The Goodyear Tire & Rubber Company	US	64
79.	Sanyo Electric Co., Ltd.	JP	63
	Schering Aktiengesellschaft	DE	63
81.	International Business Machines Corporation	US	62
	Telia AB	SE	62
83.	Aventis Research & Technologies GmbH & Co. KG	DE	61
	Northrop Grumman Corporation	US	61
85.	L'Oréal	FR	60
	W.L. Gore & Associates, Inc.	US	60
87.	Fanuc Ltd.	JP	59
	Kao Corporation	JP	59
	PPG Industries, Inc.	US	59
90.	American Home Products Corporation	US	58
	Asahi Kasei Kogyo Kabushiki Kaisha	JP	58
	Citizen Watch Co., Ltd.	JP	58
93.	Mannesmann AG	DE	57
	Micron Technology, Inc.	US	57
	The General Hospital Corporation	US	57
96.	Baxter International Inc.	US	56
	FMC Corporation	US	56
	Toyota Jidosha Kabushiki Kaisha	JP	56
99.	Seagate Technology, Inc.	US	55
100.	Mobil Oil Corporation	US	54
101.	Kabushiki Kaisha Toshiba	JP	53
	The Secretary of State for Defence	GB	53
	Warner-Lambert Company	US	53
104.	Breed Automotive Technology, Inc.	US	52
	Mannesmann VDO AG	DE	52

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[Most frequent PCT users, continued]

Rank	Applicant	Country of residence	No. published in 1998
106.	Koenig & Bauer Aktiengesellschaft	DE	51
	Toray Industries, Inc.	JP	51
108.	California Institute of Technology	US	49
	Nippon Zeon Co., Ltd.	JP	49
	The Trustees of Columbia University in the City of New York	US	49
111.	Nokia Mobile Phones Ltd.	FI	48
	Nycomed Imaging A/S	NO	48
	Takeda Chemical Industries, Ltd.	JP	48
	Wisconsin Alumni Research Foundation	US	48
115.	Filterwerk Mann + Hummel GmbH	DE	47
	Glaxo Group Limited	GB	47
	Owens Corning	US	47
	Renault	FR	47
	Siemens Nixdorf Informationssysteme AG	DE	47
	The Board of Trustees of the Leland Stanford Junior University	US	47
	Thomson-CSF	FR	47
122.	Baker Hughes Incorporated	US	46
	Sun Microsystems, Inc.	US	46
124.	Albemarle Corporation	US	45
	Rohm Co., Ltd.	JP	45
	ZF Friedrichshafen AG	DE	45
127.	Cornell Research Foundation Inc.	US	44
	Fujisawa Pharmaceutical Co., Ltd.	JP	44
	McDonnell Douglas Corporation	US	44
	Pfizer Inc.	US	44
	Sanofi	FR	44
	Scimed Life Systems, Inc.	US	44
	Sharp Kabushiki Kaisha	JP	44
134.	AB Volvo	SE	43
	British Nuclear Fuels plc	GB	43
	Commonwealth Scientific and Industrial Research Organisation	AU	43
	Nippon Steel Corporation	JP	43
	Sarnoff Corporation	US	43
	Shionogi & Co., Ltd.	JP	43
	Voest-Alpine Industrieanlagenbau GmbH	AT	43
141.	Hewlett-Packard Company	US	42
	Kyowa Hakko Kogyo Co., Ltd.	JP	42
	Oce Printing Systems GmbH	DE	42
	Valeo	FR	42
145.	Beloit Technologies, Inc.	US	41
	Chiron Corporation	US	41
	Deutsche Telekom AG	DE	41
	Engelhard Corporation	US	41
	Kaneka Corporation	JP	41
	The Government of the United States of America, represented by the Secretary, Department of Health and Human Services	US	41
151.	Genentech, Inc.	US	40
	Mitsubishi Chemical Corporation	JP	40
	Mitsubishi Heavy Industries, Ltd.	JP	40
	Samsung Electronics Co., Ltd.	KR	40
155.	Avery Dennison Corporation	US	39
	Caterpillar Inc.	US	39
	Gemplus S.C.A.	FR	39
	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	39
	TDK Corporation	JP	39
	Teijin Limited	JP	39

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[Most frequent PCT users, continued]

Rank	Applicant	Country of residence	No. published in 1998
162.	University of Massachusetts	US	39
	Cabot Corporation	US	38
	Cirrus Logic, Inc.	US	38
	Institut National de la Santé et de la Recherche Médicale (INSERM)	FR	38
	President and Fellows of Harvard College	US	38
169.	SCA Mölnlycke AB	SE	38
	Société des Produits Nestlé S.A.	CH	38
	The Trustees of the University of Pennsylvania	US	38
	Forschungszentrum Jülich GmbH	DE	37
	Henkel-Ecolab GmbH & Co. OHG	DE	37
171.	Automotive Systems Laboratory, Inc.	US	36
	General Electric Company	US	36
	Raychem Corporation	US	36
	The Regents of the University of Michigan	US	36
175.	BTG International Limited	GB	35
179.	Chugai Seiyaku Kabushiki Kaisha	JP	35
	Microsoft Corporation	US	35
	S.C. Johnson & Son, Inc.	US	35
	Alcon Laboratories, Inc.	US	34
	Amoco Corporation	US	34
182.	INA Wälzlager Schaeffler OHG	DE	34
	Clariant International Ltd.	CH	33
	Daewoo Electronics Co., Ltd.	KR	33
	Gist-Brocades B.V.	NL	33
	Quantum Corporation	US	33
190.	Sandvik AB	SE	33
	Siemens Matsushita Components GmbH & Co. KG	DE	33
	University of Florida	US	33
	Westinghouse Electric Corporation	US	33
	Alcatel USA Sourcing, L.P.	US	32
	American Cyanamid Company	US	32
	LSI Logic Corporation	US	32
	Norsk Hydro A/S	NO	32
	Pharmacia & Upjohn Company	US	32
	Rhône-Poulenc Rorer S.A.	FR	32
200.	Sepracor, Inc.	US	32
	Symbios, Inc.	US	32
	The Mead Corporation	US	32
	The Regents of the University of Minnesota	US	32
	BASF Coatings AG	DE	31
	F. Hoffmann-La Roche AG	CH	31
	Imation Corp.	US	31
	Raytheon Company	US	31
	Sony Electronics Inc.	US	31
	Volvo Lastvagnar AB	SE	31
207.	Yissum Research Development Company of the Hebrew University of Jerusalem	IL	31
	Astra Aktiebolag	SE	30
	AT & T Wireless Services, Inc.	US	30
	Clariant GmbH	DE	30
	Den Norske Stats Oljeselskap A/S	NO	30
	Deutsches Krebsforschungszentrum Stiftung des öffentlichen Rechts	DE	30
	Dynamit Nobel GmbH Explosivstoff- und Systemtechnik	DE	30
	Emory University	US	30
	Lam Research Corporation	US	30
	Metallgesellschaft Aktiengesellschaft	DE	30

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[Most frequent PCT users, continued]

Rank	Applicant	Country of residence	No. published in 1998
217.	Zymogenetics, Inc.	US	30
	Braun Aktiengesellschaft	DE	29
	Cryovac Incorporated	US	29
	G.D. Searle & Co.	US	29
	Mitsui Chemicals, Inc.	JP	29
223.	Synthélabo	FR	29
	The Scripps Research Institute	US	29
	Isis Innovation Limited	GB	28
	Ludwig Institute For Cancer Research	US	28
	Mannesmann Rexroth AG	DE	28
	Merck Sharp & Dohme Limited	GB	28
	Purdue Research Foundation	US	28
	Sulzer Intermedics Inc.	US	28
	Sumitomo Chemical Company, Limited	JP	28
	The Gillette Company	US	28
233.	Toyo Kohan Co., Ltd.	JP	28
	Volkswagen Aktiengesellschaft	DE	28
	3com Corporation	US	27
	ABB Research Ltd.	CH	27
	Honda Giken Kogyo Kabushiki Kaisha	JP	27
	Iomega Corporation	US	27
	Medical Research Council	GB	27
	Meiji Seika Kaisha, Ltd.	JP	27
	Weatherford/Lamb, Inc.	US	27
	Yeda Research and Development Co. Ltd.	IL	27
241.	Alza Corporation	US	26
	Amgen Inc.	US	26
	Applied Materials, Inc.	US	26
	Duke University	US	26
	Dupont Pharmaceuticals Company	US	26
	Harris Corporation	US	26
	Japan Tobacco Inc.	JP	26
	Kabushiki Kaisha Tokai Rika Denki Seisakusho	JP	26
	Nippon Kayaku Kabushiki Kaisha	JP	26
	Pioneer Hi-Bred International, Inc.	US	26
	Sextant Avionique	FR	26
	Union Carbide Chemicals & Plastics Technology Corporation	US	26
	University of Utah Research Foundation	US	26
	Washington University	US	26
	Yale University	US	26
256.	Arco Chemical Technology, L.P.	US	25
	Bausch & Lomb Incorporated	US	25
	Bellsouth Corporation	US	25
	Elf Atochem S.A.	FR	25
	Kabushiki Kaisha Yaskawa Denki	JP	25
	Kawasaki Steel Corporation	JP	25
	Neste Oy	FI	25
	Patent-Treuhand-Gesellschaft für Elektrische Glühlampen mbH	DE	25
	Polaroid Corporation	US	25
	Sensormatic Electronics Corporation	US	25
	Smith & Nephew Inc.	US	25
	The Penn State Research Foundation	US	25
	The Research Foundation of State University of New York	US	25
	University of British Columbia	CA	25

PCT SEMINAR CALENDAR			
Dates and Location	Language of seminar	Nature of seminar; WIPO speakers (and others where known)	Organizer and contact numbers
11–13 August 1999 Washington, D.C.	English	Basic PCT seminar for patent attorneys WIPO speaker: Mr. Maassel Other speaker: Mr. Reed (Procter & Gamble)	Patent Resources Group, Inc. Tel: (1–804) 296 39 00 Fax: (1–804) 296 39 99
16–18 August 1999 Washington, D.C.	English	Advanced PCT seminar for patent attorneys WIPO speaker: Mr. Maassel Other speaker: Mr. Reed (Procter & Gamble)	Patent Resources Group, Inc. Tel: (1–804) 296 39 00 Fax: (1–804) 296 39 99
24 August 1999 Mexico City (MX)	English and Spanish	WIPO National Seminar on the Patent Cooperation Treaty (PCT) WIPO speakers: Mr. Toledo and Mr. Bryan Other Speaker: Mr. Reed (Procter & Gamble)	Mexican Institute of Industrial Property (IMPI) (Dra. Deborah Lazard) Tel: (52–5) 624 04 01 Fax: (52–5) 624 04 06
16–17 September 1999 Munich (DE)	German	Basic PCT seminar for patent administrators WIPO speakers: Mrs. Coeckelbergs and Mr. Reischle	Forum Institut für Management GmbH Tel: (49–6221) 500 500 Fax: (49–6221) 500 505 E-mail: Management@Forum-Institut.de
19 September 1999 Monte-Carlo (MC)	English/ French	PCT presentation at a conference on “The Influence of Intellectual Property on World Economic Development” WIPO speaker: Ms. Boutillon	Quick Off The Mark (Ms. Natalie Elizabeth Jones) Tel: (377) 93 50 08 22 Fax: (377) 93 50 08 23 E-mail: quickoffthemark@mcn.mc
13 October 1999 Summit, NJ (US)	English	PCT presentation as part of the Patent Information Users Group Workshop WIPO speaker: Mr. Maassel	Patent Information Users Group (PIUG) (Ms. Adrienne Shanler) Tel: (1–609) 716 26 62 Fax: (1–609) 275 35 76 E-mail: shanlera@pt.cyanamid.com
15–16 October 1999 Boston (US)	English	Advanced PCT seminar for patent attorneys WIPO speaker: Mr. Maassel	Boston Patent Law Association (Mr. Timothy A. French) Tel: (1–617) 542 50 70 Fax: (1–617) 542 89 06 E-mail: French@fr.com
19 October 1999 Helsinki (FI)	English	Basic PCT seminar for patent attorneys WIPO speakers: Ms. Boutillon and Mr. Reischle	National Board of Patents and Registration of Finland (Ms. Mirja Kuismanen) Tel: (358–9) 69 39 52 36 Fax: (358–9) 69 39 53 22 E-mail: Mirja.Kuismanen@prh.fi
20–21 October 1999 Helsinki (FI)	English	Advanced PCT seminar for patent attorneys WIPO speakers: Ms. Boutillon and Mr. Reischle	National Board of Patents and Registration of Finland (Ms. Mirja Kuismanen) Tel: (358–9) 69 39 52 36 Fax: (358–9) 69 39 53 22 E-mail: Mirja.Kuismanen@prh.fi
25–26 October 1999 Kuala Lumpur (Malaysia)	English	WIPO Asia-Pacific Regional Seminar on the Patent Cooperation Treaty (PCT) WIPO speakers: Mr. Curchod, Mr. Wang, Mr. Bryan, Mr. Sinha Other speakers*	Ministry of Domestic Trade and Consumer Affairs (Mr. Ismail Jusoh) Tel: (60–3) 2274 35 81 Fax: (60–3) 2274 13 32

* Mr. Reed (Procter & Gamble Company), Mr. Kamata (Matsushita Electric Industrial Company), Mr. Yang (CCPIT Patent and Trademark Law Office), Ms. Chng (Registry of Trade Marks and Patents, Singapore), Mr. Lee (Malaysian Technology Consultants)

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PCT SEMINAR CALENDAR [continued]			
Dates and Location	Language of seminar	Nature of seminar; WIPO speakers (and others where known)	Organizer and contact numbers
28–29 October 1999 New Delhi (IN)	English	WIPO National Roving Seminar on the Patent Cooperation Treaty (PCT) WIPO speakers: Mr. Smith, Mr. Wang, Mr. Bryan, Mr. Sinha Other speakers: Mr. Alikhan (former Deputy Director General of WIPO) and Mr. Reed (Procter & Gamble Company)	Ministry of Industry and the Institute of Intellectual Property Development (IIPD) (Mr. A. E. Ahmad) Tel: (91–11) 301 17 14 Fax: (91–11) 301 36 56
1–2 November 1999 Calcutta (IN)	English	WIPO National Roving Seminar on the Patent Cooperation Treaty (PCT) WIPO and other speakers: see New Delhi, above	See New Delhi, above
4–5 November 1999 Bangalore (IN)	English	WIPO National Roving Seminar on the Patent Cooperation Treaty (PCT)	See New Delhi, above
8–9 November 1999 Austin (US)	English	Intermediate PCT seminar for patent administrators WIPO speaker: Mr. Maassel Other speaker: Ms. Bidwell (United States Patent and Trademark Office)	3M, Haynes and Boone, and Austin Intellectual Property Law Association (Ms. Linda Bradshaw) Tel: (1–512) 984 59 53 E-mail: ljbradshaw@mmm.com
11–12 November 1999 Chicago (US)	English	Advanced PCT seminar for patent administrators WIPO speakers: Mrs. Coeckelbergs and Mr. Maassel	The John Marshall Law School (Mr. Gary T. Watson) Tel: (1–312) 987 14 20 Fax: (1–312) 427 71 28 E-mail: 6cangian@jmls.edu
15–16 November 1999 San Francisco (US)	English	Advanced PCT seminar for patent administrators WIPO speakers: Mrs. Coeckelbergs and Mr. Maassel	Intellectual Property International (Ms. Virginia H. Meyer) Tel: (1–415) 289 74 71 Fax: (1–415) 331 60 68 E-mail: IPI@IPISeminars.com Internet: www.ipiseminars.com
17–18 November 1999 San Francisco (US)	English	PCT seminar for patent attorneys WIPO speakers: Mrs. Coeckelbergs and Mr. Maassel	Intellectual Property International (Ms. Virginia H. Meyer) Tel: (1–415) 289 74 71 Fax: (1–415) 331 60 68 E-mail: IPI@IPISeminars.com Internet: www.ipiseminars.com
8 December 1999 Paris (FR)	French	Basic seminar on PCT procedures for patent administrators WIPO speaker: Mr. Baron	Institut national de la propriété industrielle (INPI) (Mrs. Christiane Sadrin) Tel: (33–1) 53 04 55 76 or (Mr. Jean-Pierre Cardon) Tel: (33–1) 53 04 52 70 Fax: (33–1) 42 93 63 52
14–15 December 1999 Munich (DE)	German	Advanced PCT seminar for patent administrators WIPO speakers: Mrs. Coeckelbergs and Mr. Reischle	Forum Institut für Management GmbH Tel: (49–6221) 500 500 Fax: (49–6221) 500 505 E-mail: Management@Forum-Institut.de

PCT FEE TABLES

The following Tables show the amounts (including currencies—see the key to currency abbreviations following Table II) of the main PCT fees which are payable to the receiving Offices (ROs) and the International Preliminary Examining Authorities (IPEAs) during the international phase under Chapter I (Tables I(a) and I(b)) and under Chapter II (Table II). Fees which are payable only in particular circumstances are not shown; nor are details of certain reductions and refunds which may be available; such information can be found in the *PCT Applicant's Guide*, Vol. I/B, Annexes C, D and E. Note that all amounts are subject to change due to variations in the fees themselves or fluctuations in exchange rates. The total amount of the basic fee and designation fee may be reduced by CHF 200 under certain circumstances where the request is prepared using the PCT-EASY software; see footnote 2 for details. A 75% reduction in the basic fee, the supplement per sheet over 30, the designation fee and the handling fee, as well as the transmittal fee payable to the International Bureau as receiving Office, is also available to applicants from certain States; see footnote 3 for details. (Note that if both the CHF 200 reduction and the 75% reduction are applicable, the 75% reduction is calculated *after* the CHF 200 reduction.) Footnotes to all Fee Tables follow Table II.

Table I(a) — TRANSMITTAL, BASIC AND DESIGNATION FEES

(as at 1 August 1999, unless otherwise indicated)

RO	Transmittal fee ¹	Basic fee ^{1,2,3} (CHF 650)	Supplement per sheet over 30 ^{1,2,3} (CHF 15)	Designation fee ^{1,2,3,4} (CHF 150)	Competent ISA(s) ⁵
AL	ALL 9,000	CHF 650	15	150	EP
AM	AMD 32,000	USD 455	10	105	EP RU
AP	USD 50 (or equiv in local currency)	USD 455	10	105	AT EP SE
AT	ATS 700	ATS 5,683	137.60	1,307.23	EP
AU	AUD 100	AUD 722 (from 1.9.99: 626)	17 (14)	166 (144)	AU
AZ	AZM ⁶ —	USD 455	10	105	EP RU
BA	DEM 50	DEM 800	19	184	EP
BE	BEF 1,500	BEF 16,660	403	3,832	EP
BG	BGL 60,000	BGL equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP RU
BR	BRR 236	BRR equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AT EP SE US
BY	BYR equiv of USD 70	USD 455	10	105	EP RU
CA	CAD 200	CAD 641	15	148	EP
CH	CHF 100	CHF 650	15	150	EP
CN	CNY 500	CNY equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	CN
CU	USD (or CUP equiv) 200	USD (or CUP equiv) 455	10	105	AT EP ES RU
CY	CYP 75	CYP 250	6	60	EP
CZ	CZK 1,500	CZK equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
DE	DEM 150	DEM 807.76	19.56	185.80	EP
DK	DKK 1,500	DKK 3,050	70	710	EP SE
EA	RUR equiv of USD 50	USD 455	10	105	EP RU
EE	EEK 1,800	EEK equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
EP ⁷	EUR 102	EUR 413	10	95	EP
ES	ESP 10,040	ESP 68,717	1,664	15,807	EP ES
FI	FIM 800	FIM 2,455.59	59.46	564.84	EP SE
FR	FRF 400 or EUR 60.98	FRF 2,709.10	65.60	623.16	EP

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Table I(a) – TRANSMITTAL, BASIC AND DESIGNATION FEES [continued]
(as at 1 August 1999, unless otherwise indicated)

RO	Transmittal fee ¹	Basic fee ^{1,2,3} (CHF 650)	Supplement per sheet over 30 ^{1,2,3} (CHF 15)	Designation fee ^{1,2,3,4} (CHF 150)	Competent ISA(s) ⁵
GB	GBP 55	GBP 285	6	65	EP
GE	GEL ⁶ —	USD 455	10	105	EP RU
GH	GHC ⁸ 2,500 or 5,000	USD 455	10	105	AT AU CN EP SE
GR	GRD 39,500	GRD 127,000	3,000	30,000	EP
HR	HRK 200	HRK equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
HU	HUF ⁹ 10,000	HUF equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP RU
IB	CHF ³ 300	CHF 650	15	150	<i>See footnote</i> ¹⁰
	or USD ³ 200	or USD 455	10	105	
ID	IDR ⁶ —	IDR equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AU EP RU
IE	IEP 60	IEP 325.26	7.88	74.82	EP
	or EUR 76.18				
IL	ILS 426	USD 455	10	105	EP US
IN	INR 5,000 (filing by individual: 1,500)	USD 455	10	105	AT AU CN EP SE US
IS	ISK 5,500	ISK 32,000	700	7,400	EP SE
IT	ITL 60,000	ITL 799,680	19,363	183,946	EP
JP	JPY 18,000	JPY 54,800	1,300	12,600	EP JP
KE	USD (or KES equiv) 30	USD 455	10	105	AT AU CN EP SE
KG	KGS equiv of USD 100	USD 455	10	105	EP RU
KP	KPW equiv of CHF 50	KPW equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AT RU
KR	KRW 45,000	KRW equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AT AU JP
KZ	KZT ⁶ —	USD 455	10	105	EP RU
LR	USD 45	USD 455	10	105	AT AU CN EP SE
LS	LSM ⁶ —	LSM equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AT EP
LT	LTL equiv of USD 80	USD 455	10	105	EP RU
LU	LUF/BEF 800	LUF/BEF 16,660	403	3,832	EP
LV	LVL 40	USD 455	10	105	EP RU
MC	FRF 320	FRF 2,709.10	65.60	623.16	EP
MD	MDL ⁶ 180	USD 455	10	105	EP RU
MK	MKD 2,750	MKD equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
MN	None	CHF 650	15	150	EP RU
MW	MWK 1,500	MWK 18,000	400	4,200	EP
MX	MXP ³ equiv of USD 200	MXP equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP ES SE US
NL	NLG 110	NLG 910.13	22.04	209.35	EP
NO	NOK 500	NOK 3,300	75	770	EP SE
NZ	NZD 155	NZD 850	20	196	AU EP US
PL	PLZ 240	PLZ equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
PT	PTE 4,650	PTE 82,799.07	2,004.82	19,045.79	EP

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Table I(a) – TRANSMITTAL, BASIC AND DESIGNATION FEES [continued]

(as at 1 August 1999, unless otherwise indicated)

RO	Transmittal fee ¹		Basic fee ^{1,2,3} (CHF 650)		Supplement per sheet over 30 ^{1,2,3} (CHF 15)	Designation fee ^{1,2,3,4} (CHF 150)	Competent ISA(s) ⁵
RO	ROL	300,000	CHF	650	15	150	AT EP RU
RU	RUR	294	USD	455	10	105	EP RU
SD	SDP	50	SDP	equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
SE	SEK	1,000	SEK	3,500	80	800	EP SE
SG	SGD	135	SGD	820	20	190	AT AU EP
			(from 1.9.99:	712)	(16)	(164)	
SI	SIT	22,000	SIT	equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
SK	SKK	1,600	SKK	equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	EP
TJ	TJR ⁶	—	USD	455	10	105	EP RU
TM	USD ⁶	—	USD	455	10	105	EP RU
TR	CHF	100	CHF	650	15	150	AT AU CN EP RU
TT	TTD	750	USD	455	10	105	AT EP SE US
UA	UAH	255	USD	455	10	105	EP RU
US	USD	240	USD	455	10	105	EP US
UZ	USD ⁶	—	USD	455	10	105	EP RU
VN	VND equiv of USD 150		VND	equiv of CHF 650	equiv of CHF 15	equiv of CHF 150	AT AU EP RU SE
YU	YUD	600	CHF	650	15	150	EP
ZA	ZAR	500	ZAR	2,790	65	644	AT AU EP
ZW	ZWD	550	ZWD	equiv of USD 455	equiv of USD 10	equiv of USD 105	AT AU CN EP RU

Table I(b) – SEARCH FEES

(as at 1 August 1999, unless otherwise indicated)

ISA	Search fee ¹											
AT	ATS	2,200	CHF	250	SGD	313	USD	180	ZAR	1,040		
AU	AUD	800	CHF	721	NZD	910	SGD	875	USD	488	ZAR	3,126
CN	CNY	800	CHF	140	USD	100						
EP ¹¹	For international applications received before 1 July 1999:											
	EUR	1,124	CYP	671	FRF	7,372.96	ITL	2,176,367	NLG	2,476.97	SEK	10,730
	ATS	15,466.58	DEM	2,198.35	GBP	812	JPY	149,000	NOK	9,800	SGD	2,124
	BEF	45,342	DKK	8,640	GRD	392,900	LUF	45,342	NZD	2,286	USD	1,227
	CAD	2,088	ESP	187,018	IEP	885.22	MWK	32,600	PTE	225,341.80	ZAR	7,620
	CHF	1,850	FIM	6,683	ISK	94,000						
	For international applications received on or after 1 July 1999:											
	EUR	945	CYP	558	FRF	6,198.79	ITL	1,829,775	NLG	2,082.51	SEK	8,510
	ATS	13,003.48	DEM	1,848.26	GBP	638	JPY	120,000	NOK	7,844	SGD	1,704
	BEF	38,121	DKK	7,090	GRD	314,700	LUF	38,121	NZD	1,799	USD	1,002
	CAD	1,874	ESP	157,235	IEP	744.25	MWK	42,000	PTE	189,455.50	ZAR	6,138
	CHF	1,530	FIM	5,618.71	ISK	74,600						
ES	ESP	157,235	CHF	1,530	EUR	945	USD	1,002				
JP	JPY	77,000	CHF	923	USD	644						
RU ¹²	USD	300	CHF	430								
SE	SEK	8,510	CHF	1,530	DKK	7,090	FIM	5,618	ISK	75,000	NOK	7,900
	USD	990										
US	USD	700	450 ¹³	CHF	1,014	652 ¹³	NZD	1,340	862 ¹³			

Table II — PRELIMINARY EXAMINATION FEES

(as at 1 August 1999, unless otherwise indicated)

IPEA	Preliminary examination fee ¹⁴				Handling fee ^{3,14} (CHF 233)							
AT	ATS	2,200			ATS	2,036.52						
AU	AUD	450			AUD	260 (from 1.9.99: AUD 224)						
CN	CNY	800			CNY	equiv of CHF 233						
EP ¹	EUR	1,533	DKK	11,500	IEP	1,207.34	EUR	148	DKK	1,000	IEP	116.56
	ATS	21,094.54	ESP	255,070	ITL	2,968,302	ATS	2,036.52	ESP	24,625	ITL	286,568
	BEF	61,841	FIM	9,114.80	LUF	61,841	BEF	5,970	FIM	879.97	LUF	5,970
	CHF	2,480	FRF	10,055.82	NLG	3,378.29	CHF	233	FRF	970.82	NLG	326.15
	CYP	904	GBP	1,035	PTE	307,338.90	CYP	85	GBP	100	PTE	29,671.34
	DEM	2,998.29	GRD	510,500	SEK	13,800	DEM	289.46	GRD	46,000	SEK	1,250
JP	JPY	28,000			JPY	19,600						
RU ¹²	USD	200 ¹⁵	300 ¹⁶		USD	162						
SE	SEK	4,200			SEK	1,250						
US	USD	490	750 ¹⁷		USD	162						

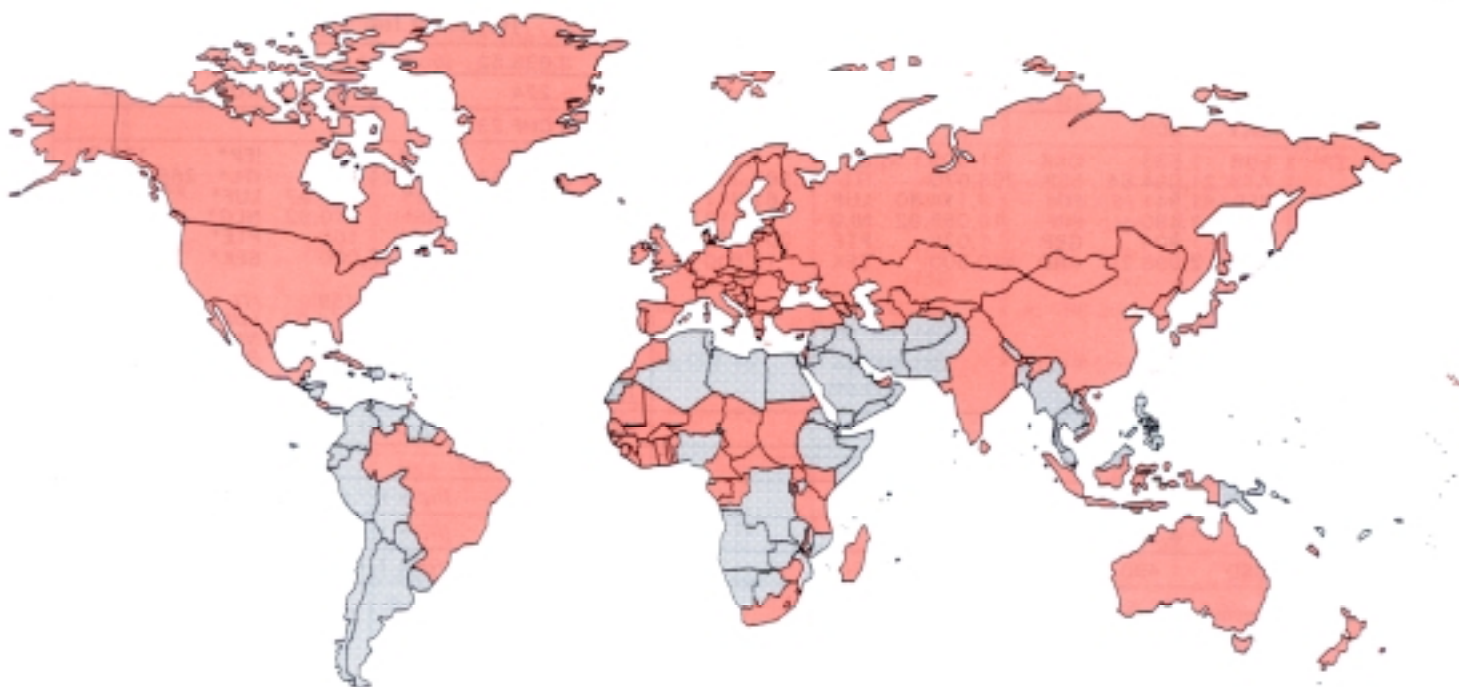
Key to currency abbreviations for all fee tables:

ALL	Albanian lek	CZK	Czech koruna	IDR	Indonesian rupiah	LUF	Luxembourg franc	SEK	Swedish krona
AMD	Armenian dram	DEM	Deutsche mark	IEP	Irish pound	LVL	Latvian lat	SGD	Singapore dollar
ATS	Austrian schilling	DKK	Danish krone	ILS	New Israel shekel	MDL	Moldovan leu	SIT	Slovenian tolar
AUD	Australian dollar	EEK	Estonian kroon	INR	Indian rupee	MKD	Macedonian denar	SKK	Slovak koruna
AZM	Azerbaijani manat	ESP	Spanish peseta	ISK	Icelandic krona	MWK	Malawian kwacha	TJR	Tajik rouble
BEF	Belgian franc	EUR	Euro	ITL	Italian lira	MXP	Mexican peso	TTD	Trinidad and Tobago dollar
BGL	Bulgarian lev	FIM	Finnish markka	JPY	Japanese yen	NLG	Netherlands guilder	UAH	Ukrainian hryvnia
BRR	Brazilian real	FRF	French franc	KES	Kenyan shilling	NOK	Norwegian krone	USD	US dollar
BYR	Belarussian rouble	GBP	Pound sterling	KGS	Kyrgyz som	NZD	New Zealand dollar	VND	Vietnamese dong
CAD	Canadian dollar	GEL	Georgian lari	KPW	KP won	PLZ	Polish zloty	YUD	Yugoslavian dinar
CHF	Swiss franc	GHC	Ghanaian cedi	KRW	KR won	PTE	Portuguese escudo	ZAR	South African rand
CNY	Yuan renminbi	GRD	Greek drachma	KZT	Kazakh tenge	ROL	Romanian leu	ZWD	Zimbabwe dollar
CUP	Cuban convertible peso	HRK	Croatian kuna	LSM	Lesotho loti	RUR	Russian rouble		
CYP	Cyprus pound	HUF	Hungarian forint	LTL	Lithuanian litas	SDP	Sudanese pound		

Footnotes for all fee tables:

- Payable to the receiving Office in the currency or one of the currencies prescribed by it.
- The total amount of the basic fee and designation fee is reduced by 200 Swiss francs (equivalent to: ATS 1,747.56; AUD 222 (from 1.9.99: AUD 193); BEF 5,123; CAD 220 (from 15.7.99: CAD 197); CYP 75; DEM 248.39; DKK 940; ESP 21,131; EUR 127; FIM 755.11; FRF 833.07; GBP 88; GRD 39,100; IEP 100.02; ISK 9,800; ITL 245,906; JPY 16,900; KRW 220,300; LUF 5,123; MWK 5,600; NLG 279.87; NOK 1,020; NZD 262; PTE 25,461.21; SEK 1,080; SGD 250 (from 1.9.99: SGD 219) and USD 140) where: (a) the request is presented as a computer print-out prepared using the PCT-EASY software; (b) the request is filed together with a computer diskette, prepared using that software, containing a copy in electronic form of the data contained in the request and of the abstract; and (c) the international application is filed with a receiving Office which is prepared to accept the filing of international applications containing requests in PCT-EASY format together with PCT-EASY diskettes.
- This fee is reduced by 75% where the applicant or, if there are two or more applicants, each applicant is a natural person and is a national of and resides in Albania, Armenia, Azerbaijan, Belarus, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Central African Republic, Chad, China, Congo, Costa Rica (from 3 August 1999), Côte d'Ivoire, Croatia, Cuba, Czech Republic, Democratic People's Republic of Korea, Dominica (from 7 August 1999), Estonia, Gabon, Gambia, Georgia, Ghana, Grenada, Guinea, Guinea-Bissau, Hungary, India, Indonesia, Kazakhstan, Kenya, Kyrgyzstan, Latvia, Lesotho, Liberia, Lithuania, Madagascar, Malawi, Mali, Mauritania, Mexico, Mongolia, Morocco (from 8 October 1999), Niger, Poland, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Slovakia, South Africa, Sri Lanka, Sudan, Swaziland, Tajikistan, The former Yugoslav Republic of Macedonia, Togo, Turkey, Turkmenistan, Uganda, Ukraine, United Republic of Tanzania (from 14 September 1999), Uzbekistan, Viet Nam, Yugoslavia or Zimbabwe. For further details, see *PCT Newsletter* No. 10/1995, cover page, No. 11/1995, page 6, and No. 05/1996, cover page.
- The confirmation fee payable under PCT Rules 4.9(c) and 15.5 is 50% of the designation fee due (taking into account any applicable 75% reduction; see footnote 3).
- For the search fee payable to the receiving Office, consult the entry in Table I(b) for the competent International Searching Authority.
- The amounts are not yet known or, where known, are subject to periodical revision. The Office or the agent should be consulted for the latest applicable schedule of fees.
- The amounts of the transmittal fee in currencies other than EUR are as follows: ATS 1,403.55; BEF 4,115; CHF 170; CYP 60; DEM 199.49; DKK 770; ESP 16,971; FIM 606.46; FRF 669.08; GBP 69; GRD 34,000; IEP 80.33; ITL 197,500; LUF 4,115; NLG 224.78; PTE 20,449.20; SEK 920. The amounts in those currencies of the basic fee, supplement per sheet over 30 and designation fee are the same as those indicated for the receiving Offices of the respective States, that is RO/AT, BE, CH, etc.
- The first amount of the transmittal fee is applicable to individuals or entities employing less than 25 persons. The second amount is applicable to entities employing 25 persons or more.
- A supplement of HUF 500 is also payable for each claim in excess of 10.
- The competent International Searching Authority(ies) for an international application filed with the International Bureau as receiving Office is (are) the Authority(ies) which would have been competent if the international application had been filed with the receiving Office of, or acting for, the Contracting State of which the applicant (or any of the applicants) is a resident or national. See also *PCT Applicant's Guide*, Vol. I/B, Annex C (IB).
- Nationals (natural or legal persons) of States which fulfill the requirements for the corresponding reduction of certain PCT fees as specified in the Schedule of Fees annexed to the PCT Regulations (see also footnote 3) may be eligible for reductions in the search and preliminary examination fees. For details, including the amount of the fee reduction and applicable conditions, see *PCT Applicant's Guide*, Vol. I/B, Annexes D (EP) and E (EP). The list of countries concerned is indicated in footnote 3.
- The applicant may, instead of paying the USD amount, pay the equivalent amount in RUR at the exchange rate applicable on the date of payment at the Central Bank of the Russian Federation, provided that, in the case of the search fee, the receiving Office accepts payment in RUR.
- Payable when a corresponding prior US national application has been filed and the basic national fee for that US application has been paid.
- Payable to the International Preliminary Examining Authority in the currency or one of the currencies prescribed by it.
- Payable when the international search report was established by the Russian Patent Office.
- In all cases where footnote 15 does not apply.
- Payable when the international search was not carried out by the United States Patent and Trademark Office (USPTO) (provided that the USPTO is a competent International Preliminary Examining Authority in the particular case—see *PCT Applicant's Guide*, Vol. I/B, Annex C.)

PCT CONTRACTING STATES AND TWO-LETTER CODES (104 on 1 August 1999)



AE United Arab Emirates	CR Costa Rica (from 3 August 1999)	ID Indonesia	MC Monaco (EP) ²	SI Slovenia ¹
AL Albania ¹	CU Cuba	IE Ireland (EP) ²	MD Republic of Moldova (EA)	SK Slovakia
AM Armenia (EA)	CY Cyprus (EP) ²	IL Israel	MG Madagascar	SL Sierra Leone (AP)
AT Austria (EP)	CZ Czech Republic	IN India	MK The former Yugoslav Republic of Macedonia ¹	SN Senegal (OA) ²
AU Australia	DE Germany (EP)	IS Iceland	MN Mongolia	SZ Swaziland (AP) ²
AZ Azerbaijan (EA)	DK Denmark (EP)	IT Italy (EP) ²	MR Mauritania (OA) ²	TD Chad (OA) ²
BA Bosnia and Herzegovina	DM Dominica (from 7 August 1999)	JP Japan	MW Malawi (AP)	TG Togo (OA) ²
BB Barbados	EE Estonia	KE Kenya (AP)	MX Mexico	TJ Tajikistan (EA)
BE Belgium (EP) ²	ES Spain (EP)	KG Kyrgyzstan (EA)	NE Niger (OA) ²	TM Turkmenistan (EA)
BF Burkina Faso (OA) ²	FI Finland (EP)	KP Democratic People's Republic of Korea	NL Netherlands (EP) ²	TR Turkey
BG Bulgaria	FR France (EP) ²	KR Republic of Korea	NO Norway	TT Trinidad and Tobago
BJ Benin (OA) ²	GA Gabon (OA) ²	KZ Kazakhstan (EA)	NZ New Zealand	TZ United Republic of Tanzania (from 14 September 1999)
BR Brazil	GB United Kingdom (EP)	LC Saint Lucia	PL Poland	UA Ukraine
BY Belarus (EA)	GD Grenada	LI Liechtenstein (EP)	PT Portugal (EP)	UG Uganda (AP)
CA Canada	GE Georgia	LK Sri Lanka	RO Romania ¹	US United States of America
CF Central African Republic (OA) ²	GH Ghana (AP)	LR Liberia	RU Russian Federation (EA)	UZ Uzbekistan
CG Congo (OA) ²	GM Gambia (AP)	LS Lesotho (AP)	SD Sudan (AP)	VN Viet Nam
CH Switzerland (EP)	GN Guinea (OA) ²	LT Lithuania ¹	SE Sweden (EP)	YU Yugoslavia
CI Côte d'Ivoire (OA) ²	GR Greece (EP) ²	LU Luxembourg (EP)	SG Singapore	ZA South Africa
CM Cameroon (OA) ²	GW Guinea-Bissau (OA) ²	LV Latvia ¹		ZW Zimbabwe (AP)
CN China	HR Croatia	MA Morocco (from 8 October 1999)		
	HU Hungary			

¹ Extension of European patent possible.

² May only be designated for a regional patent (the "national route" via the PCT has been closed).

Where a State can be designated for a regional patent, the two-letter code for the regional patent concerned is indicated in parentheses (AP = ARIPO patent, EA = Eurasian patent, EP = European patent, OA = OAPI patent).

Important:

This list includes all States that have adhered to the PCT by the date shown in the heading. Any States indicated in **bold italics** have adhered to the PCT but were not yet bound by the PCT on the date of issue of the latest version of the request form. Where a State has adhered to but is not yet bound by the PCT, the date on which it will become bound is shown in parentheses; it cannot be designated in international applications filed before that date. If the applicant wishes to designate any States for the purposes of a national patent, which are bound by the PCT on the date on which the international application is filed but which are not listed in the request form, he must add them in Box No. V of the request form and mark the corresponding check-box.

Applicants should always use the latest versions of the request form (PCT/RO/101) and demand form (PCT/IPEA/401), updated versions of which are normally issued twice yearly. The latest versions are dated July 1999. The forms are reproduced in Annexes X and Y, respectively, in Vol. I/B of the *PCT Applicant's Guide* (July 1999 update), and can be printed from the WIPO Internet site, in PDF format, at: <http://www.wipo.int/eng/pct/forms/index.htm>. The request form can also be obtained from receiving Offices or the International Bureau. The demand form can also be obtained from receiving Offices, International Preliminary Examining Authorities or the International Bureau.

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PCT Contracting States

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Name of State followed by country code	Date on which State became bound by the PCT	Name of State followed by country code	Date on which State became bound by the PCT
Albania AL	4 October 1995	India IN ¹	7 December 1998
Armenia ¹ AM	25 December 1991 (17 May 1994 ²)	Indonesia ¹ ID	5 September 1997
Australia AU	31 March 1980	Ireland IE	1 August 1992
Austria AT	23 April 1979	Israel IL	1 June 1996
Azerbaijan AZ	25 December 1995	Italy IT	28 March 1985
Barbados BB	12 March 1985	Japan JP	1 October 1978
Belarus ¹ BY	25 December 1991 (14 April 1993 ²)	Kazakhstan ¹ KZ	25 December 1991 (16 February 1993 ²)
Belgium BE	14 December 1981	Kenya KE	8 June 1994
Benin BJ	26 February 1987	Kyrgyzstan ¹ KG	25 December 1991 (14 February 1994 ²)
Bosnia and Herzegovina BA	7 September 1996	Latvia LV	7 September 1993
Brazil BR	9 April 1978	Lesotho LS	21 October 1995
Bulgaria BG	21 May 1984	Liberia LR	27 August 1994
Burkina Faso BF	21 March 1989	Liechtenstein LI	19 March 1980
Cameroon CM	24 January 1978	Lithuania LT	5 July 1994
Canada CA	2 January 1990	Luxembourg LU	30 April 1978
Central African Republic CF	24 January 1978	Madagascar MG	24 January 1978
Chad TD	24 January 1978	Malawi MW	24 January 1978
China CN	1 January 1994	Mali ML	19 October 1984
Congo CG	24 January 1978	Mauritania MR	13 April 1983
Costa Rica CR (will become bound on 3 August 1999)		Mexico MX	1 January 1995
Côte d'Ivoire CI	30 April 1991	Monaco MC	22 June 1979
Croatia HR	1 July 1998	Mongolia MN	27 May 1991
Cuba ¹ CU	16 July 1996	Morocco MA (will become bound on 8 October 1999)	
Cyprus CY	1 April 1998	Netherlands ⁵ NL	10 July 1979
Czech Republic CZ	1 January 1993 (18 December 1992 ²)	New Zealand NZ	1 December 1992
Democratic People's Republic of Korea KP	8 July 1980	Niger NE	21 March 1993
Denmark DK	1 December 1978	Norway ³ NO	1 January 1980
Dominica DM (will become bound on 7 August 1999)		Poland ³ PL	25 December 1990
Estonia EE	24 August 1994	Portugal PT	24 November 1992
Finland ³ FI	1 October 1980	Republic of Korea KR	10 August 1984
France ^{1,4} FR	25 February 1978	Republic of Moldova ¹ MD	25 December 1991 (14 February 1994 ²)
Gabon GA	24 January 1978	Romania ¹ RO	23 July 1979
Gambia GM	9 December 1997	Russian Federation ¹ RU	29 March 1978
Georgia ¹ GE	25 December 1991 (18 January 1994 ²)	Saint Lucia ¹ LC	30 August 1996
Germany DE	24 January 1978	Senegal SN	24 January 1978
Ghana GH	26 February 1997	Sierra Leone SL	17 June 1997
Greece GR	9 October 1990	Singapore SG	23 February 1995
Grenada GD	22 September 1998	Slovakia SK	1 January 1993 (30 December 1992 ²)
Guinea GN	27 May 1991	Slovenia SI	1 March 1994
Guinea-Bissau GW	12 December 1997	South Africa ¹ ZA	16 March 1999
Hungary ¹ HU	27 June 1980	Spain ES	16 November 1989
Iceland IS	23 March 1995	Sri Lanka LK	26 February 1982
		Sudan SD	16 April 1984

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A**PCT Contracting States****A**

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Name of State followed by country code	Date on which State became bound by the PCT	Name of State followed by country code	Date on which State became bound by the PCT
Swaziland SZ	20 September 1994	Ukraine ¹ UA	25 December 1991 (21 September 1992 ²)
Sweden ³ SE	17 May 1978	United Arab Emirates AE	10 March 1999
Switzerland CH	24 January 1978	United Kingdom ⁶ GB	24 January 1978
Tajikistan ¹ TJ	25 December 1991 (14 February 1994 ²)	United Republic of Tanzania TZ	(will become bound on 14 September 1999)
The former Yugoslav Republic of Macedonia MK	10 August 1995	United States of America ^{7,8} US	24 January 1978
Togo TG	24 January 1978	Uzbekistan ¹ UZ	25 December 1991 (18 August 1993 ²)
Trinidad and Tobago TT	10 March 1994	Viet Nam VN	10 March 1993
Turkey TR	1 January 1996	Yugoslavia YU	1 February 1997
Turkmenistan ¹ TM	25 December 1991 (1 March 1995 ²)	Zimbabwe ZW	11 June 1997
Uganda UG	9 February 1995		

¹ With the declaration provided for in Article 64(5).

² The date in parentheses is the date on which the State deposited a declaration of continued application of the PCT (Rule 32).

³ With the declaration provided for in Article 64(2)(a)(ii).

⁴ Including all Overseas Departments and Territories.

⁵ Ratification for the Kingdom in Europe, the Netherlands Antilles and Aruba.

⁶ Extends to the Isle of Man.

⁷ With the declarations provided for in Articles 64(3)(a) and 64(4)(a).

⁸ Extends to all areas for which the United States of America has international responsibility.