## PCT NEWSLETTER

PATENT COOPERATION TREATY



World Intellectual Property Organization

WIPO Publication No.115(E) ISSN 1020-072X

July 2003 No. 07/2003

#### **New PCT Contracting State**

Egypt (country code: EG)

On 6 June 2003, Egypt deposited its instrument of ratification of the PCT, and on 6 September 2003, will become bound by the PCT. Consequently, in any international application filed on or after 6 September 2003, Egypt may be designated and, because it will be bound by Chapter II of the PCT, may also be elected. Furthermore, nationals and residents of Egypt will be entitled, as from 6 September 2003, to file international applications under the PCT.

# PCT Article 22(1) and PCT Rule 51*bis*.2(a): Withdrawal of Notifications of Incompatibility

#### **Denmark**

Further to its notification of the incompatibility of **PCT Article 22(1)**, as modified with effect from 1 April 2002, with its national law (see *PCT Newsletter* No. 02/2002), the Danish Patent and Trademark Office, in its capacity as designated Office, has notified the International Bureau that it has withdrawn its notification with effect from 1 July 2003.

Furthermore, pursuant to PCT Articles 22(3) and 39(1)(b), the Office has notified the International Bureau that the time limit applicable for entry into the national phase before it as a designated or elected Office is, with effect from 1 July 2003, 31 months from the priority date.

(Updating of the table of time limits for entering national/regional

phase under PCT Chapters I and II (see *PCT Newsletter* No. 04/2003)).

Further to its notification of incompatibility of PCT Rule 51 bis.2(a), as amended with effect from 1 March 2001, with the national law applied by it (see PCT Newsletter No. 02/2001, page 2), the Danish Patent and Trademark Office (in its capacity as designated Office) has notified the International Bureau that it has withdrawn the said notification with effect from 1 July 2003; amended PCT Rule 51bis.2(a) will therefore apply as from that date.

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## Selection of PCT Materials on the Internet (http://www.wipo.int/pct/en/)

Home page, with links to what's new on the site PCT Information Service

- PCT filing
- Basic Facts about the PCT
- Forms
- Fees
- Direct filing of PCT applications with the International Bureau as PCT receiving Office
- PCT Applicant's Guide

**PCT-EASY** 

**PCT-SAFE** 

PCT legal texts and guidelines

- About the Treaty
- Texts of the Patent Cooperation Treaty, Regulations and Administrative Instructions and search facility for Articles under the PCT
- PCT Receiving Office Guidelines
- PCT International Search Guidelines
- PCT International Preliminary Examination Guidelines
- PCT Contracting States
- Reservations and incompatibilities
- Notifications concerning non-applicability of modified time limit under PCT Article 22(1)
- PCT legal text index

PCT Gazette

PCT news

Seminar calendar and seminar materials PCT meetings

- PCT Assembly and various committees

#### **PCT Information Service**

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1211 Geneva 20 Switzerland

Telephone: +41 22 338 91 11 E-mail: wipo.mail@wipo.int Internet: www.wipo.int

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#### **Most Frequent PCT Users in 2002**

In 2002, 201 applicants accounted for 29.5% (30,737) of the 104,085 international applications published, each with 50 or more applications published. Of these 201 applicants, 151 were from one of three countries, that is United States of America (40.3%), Japan (21.9%), and Germany (12.9%). There were 80 applicants in each of whose names more than 100 international applications were published. Koninklijke Philips Electronics N.V was, for the second year in a row, the largest PCT user, with 1,922 international applications published, followed by Siemens Aktiengesellschaft (1,268) and Robert Bosch GmbH (1,201).

Note that the list of most frequent PCT users contains only the first-named applicants in the applications concerned, and is based on the country of residence of that applicant. Note also that certain legal entities are listed separately from other legal entities with which they may be affiliated.

The list on pages 9 to 13 indicates the applicants by the number of applications published. A second list on pages 14 to 18 indicates the applicants in alphabetical order. ■

# Modification of the Technical Standard for the Electronic Filing and Processing of International Applications

It is recalled that Part 7 and Annex F of the Administrative Instructions under the PCT contain, respectively, the legal framework and the technical standard for electronic filing and processing of international applications. They both entered into force on 7 January 2002; Annex F was subsequently the subject of modifications that entered into force on 12 December 2002 (see PCT Newsletter Nos. 01/2002 and 12/2002).

After consultation with the interested Offices and Authorities pursuant to PCT Rule 89.2(b), Annex F, including Appendix I thereof, was modified with effect from 19 June 2003. The text of the modifications of the main body of Annex F is reproduced in Section IV of *PCT Gazette* No. 25/2003 at:

www.wipo.int/pct/en/gazette/weekissu.htm

#### **PCT Quiz**

In which of the following circumstances will the international publication of the international application be delayed?

- (a) if the applicant expressly requests later publication of the international application and, where necessary, pays the corresponding fee;
- (b) if the applicant withdraws the priority claim (or in the case where there is more than one priority claim, the one with the earliest filing date) and the notice of withdrawal reaches the International Bureau before the completion of technical preparations for international publication:
- (c) if the receiving Office notifies the International Bureau that it considers the priority claim (or, in the case where there is more than one priority claim, the one with the earliest filing date) not to have been made, or if the International Bureau itself considers that priority claim not to have been made.

and the text of the modifications of Appendix I of Annex F is reproduced as document PCT/AI/1 Rev.1 Add.8 on the PCT website at:

www.wipo.int/pct/en/texts/index.htm

## Change in the Color of PCT Forms Issued by the International Bureau

Further to the announcement last year of the change in the color (from pink to white) of certain forms (Form PCT/IB/308, and in certain cases, Form PCT/IB/332) issued by the International Bureau (see *PCT Newsletter* No. 04/2002), it is now expected that all PCT forms issued by the International Bureau will, as from September or October 2003, be printed on white paper instead of on the usual pink paper. The exact date of the changeover is not yet known.

The change to a single color is a result of the ongoing automation activities at the International Bureau of WIPO within the framework of the PCT automation project (IMPACT Project), and will allow the International Bureau to benefit from "batch" printing orders using special high speed printers, which will thus

decrease considerably the time required for printing.

Please address any inquiries on this matter to:

fax: (41-22) 910 00 30 e-mail: pct.legal@wipo.int ■

#### **PCT Publications**

# PCT Gazette special issue: General information on Contracting States, national and regional Offices and International Authorities

Consolidated general information relating to PCT Contracting States, national and regional Offices and International Authorities under the PCT will be published in a special issue of the PCT Gazette dated 3 July 2003 (No. S-03/2003 (E) (English) and (F) (French)), which replaces the previous special issue containing consolidated general information, published on 3 January 2003 (No. S-01/2003 (E) (English) and (F) (French)). This helpful resource contains the information that is published in Annexes A to E, L and in the National Chapter Summaries of the PCT Applicant's Guide.

Subscribers to the *PCT Gazette* automatically receive special issues. If you are not a subscriber to the *PCT Gazette* but would like to obtain that special issue, you may order it from the Marketing and Distribution Section at WIPO:

fax: (41–22) 740 18 12

e-mail: publications.mail@wipo.int

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bookshop: www.wipo.int/ebookshop

mailing

address: 1211 Geneva 20, Switzerland

The price per special issue is 24 Swiss francs or 15 US dollars by regular mail, and 28 Swiss francs or 17 US dollars by priority mail. Note that the special issue is also available in PDF format, free of charge, as part of the *PCT Gazette* on WIPO's website at:

www.wipo.int/pct/en/gazette/spec\_issu/index.htm ■

#### **PCT Information Update**

#### **BR** Brazil (special requirements)

There has been a change in the special requirements under PCT Rule 51*bis* of the National Institute of Industrial Property (Brazil) as designated (or elected) Office. The consolidated list of special requirements is now as follows:

- Instrument of assignment where the name of the applicant has changed after the international filing date and the change has not been reflected in a notification from the International Bureau (PCT/IB/306)\*
- Translation into Portuguese of the priority document's filing certificate or statement permitting the application to be identified\*\*
- Appointment of an agent if the applicant is not resident in Brazil\*
- \* Must be furnished within 60 days from the expiration of the time limit applicable under PCT Article 22 or 39(1).
- \*\* Only if the validity of the priority claim is relevant to the determination of whether the invention concerned is patentable.

(Updating of *PCT Applicant's Guide*, Vol. II/A, National Chapter, Summary (BR))

#### DZ Algeria (fees)

The Algerian National Institute of Industrial Property has notified the International Bureau that, in its capacity as receiving Office, it does not require the payment of a transmittal fee.

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

## KP Democratic People's Republic of Korea (types of protection; time when name and address of inventor must be given; fees)

In addition to patents and inventors' certificates, the following type of protection is now available via the PCT in the Democratic People's Republic of Korea:

utility models

The Invention Office of the Democratic People's Republic of Korea has also notified changes as to the time when the name and address of the inventor must be given if the Democratic People's Republic of Korea is designated or elected, as follows:

Must be in the request. If the data concerning the inventor are missing at the expiry of the time limit applicable under PCT Article 22 or 39(1)(a), the Office will invite the applicant to comply with the requirement within a time limit of three months from the date of invitation.

The amounts of the following national fees, payable to the Office as designated (or elected) Office, have changed:

for patent:

filing fee: equivalent in KPW of

**EUR 230** 

additional fee for late furnishing of the translation,

per month: equivalent in KPW of

**EUR 30** 

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

## MZ Mozambique (location and mailing address; telephone and fax numbers; Internet address)

The location and mailing address and the telephone and fax numbers of the Central Department of Industrial Property (Mozambique) have changed, and the Office has notified its Internet address, as follows:

location and mailing address:

Avenida 25 de Setembro No. 1502 P.O. Box 1831

Maputo, Mozambique

telephone: (258–1) 325 640 fax: (258–1) 321 301 Internet: www.mic.gov.mz

(Updating of *PCT Applicant's Guide*, Vol. I/A, Annex B1 (MZ))

#### PT Portugal (types of protection)

The National Institute of Industrial Property (Portugal) has notified the International Bureau that utility models may now be sought instead of or in addition to a national patent.

(Updating of *PCT Applicant's Guide*, Vol. I/A, Annex B1 (PT))

#### SE Sweden (fees)

As from 1 August 2003, there will be a change in the equivalent amounts of the following fees

payable in SEK to the Swedish Patent Office as receiving Office, as well as a change in the equivalent amount in SEK of the PCT-EASY fee reduction:

basic fee, fee per sheet in excess of 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 (SE))

Search fee (Austrian Patent Office, European Patent Office, Korean Intellectual Property Office, Spanish Patent and Trademark Office, Swedish Patent Office)

There will be a change in the amount payable in ISK, as from 15 July 2003, and in USD, as from 1 September 2003, for an international search carried out by the Swedish Patent Office.

As from 1 September 2003, there will be changes in the equivalent amounts payable in KRW and USD for an international search carried out by the Austrian Patent Office, in JPY and USD for an international search carried out by the European Patent Office, in CHF for an international search carried out by the Korean Intellectual Property Office, in USD for an international search carried out by the Spanish Patent and Trademark Office and in USD for an international search carried out by the Swedish Patent Office.

As from 15 September 2003, there will be changes in the equivalent amounts payable in SGD and ZAR for an international search carried out by the European Patent Office.

The above-mentioned new amounts are indicated in Table I(b).

(Updating of *PCT Applicant's Guide*, Vol. I/B, Annex D (AT, EP, ES, KR and SE))

#### Handling fee (Swedish Patent Office)

As from 1 August 2003, there will be a change in the equivalent amount of the handling fee, payable in SEK to the Swedish Patent Office as International Preliminary Examining Authority, as indicated in Table II.

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

#### **List of Contracting States**

The provisional sheet for the *PCT Applicant's Guide*, Vol. I/A, Annex A (PCT Contracting States) includes Egypt and the date of entry

into force of the PCT in respect of that State (see cover page for details).

Language(s) accepted for the filing of requests: notification by receiving Offices under PCT Rule 12.1(c) (Algeria, Belgium, Brazil, Belize, China, Cuba, Denmark, Ecuador, Georgia, Italy, Kazakhstan, Kenya, Latvia and the Republic of Moldova)

Under amended PCT Rule 12.1(c), which entered into force on 1 January 2003, the receiving Offices of the following States have notified the International Bureau of the language or languages which they are prepared to accept for the filing of requests, as follows:

	-	•
BE	Belgium	English, French or German
BR	Brazil	English
ΒZ	Belize	English
CN	China	Chinese or English
CU	Cuba	Spanish
DK	Denmark	English, French or German
DΖ	Algeria	French
EC	Ecuador	Spanish
GE	Georgia	English or Russian
IT	Italy	English, French or German
KE	Kenya	English
ΚZ	Kazakhstan	English or Russian
LV	Latvia	English, French, German or Russian
MD	Republic of Moldova	English or Russian

This updates the table published in *PCT Newsletter* No. 01/2003, on page 10, and *PCT Applicant's Guide*, Vol. I/B, Annex C (BE, BR, BZ, CN, CU, DK, DZ, EC, GE, IT, KE, KZ, LV and MD). ■

#### **Budapest Treaty**

#### **Accession by Albania**

On 19 June 2003, Albania deposited its instrument of accession to the Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purposes of Patent Procedure, thus bringing the total number of States party to the Treaty to 57. The Treaty will enter into force with respect to Albania on 19 September 2003. This updates the table of States party to the Budapest Treaty that was published in *PCT Newsletter* No. 09/2002.

### New/updated PCT Materials on the Internet

#### **PCT forms**

The July 2003 editions of the PCT Request and Demand forms in PDF and editable PDF format, are now available on the PCT website in English, French, Spanish and German. These, plus all PCT forms in English and French and, where available, German and Spanish may now be consulted on the PCT website at:

www.wipo.int/pct/en/forms/index.htm

Work is also nearly complete on a downloadable collection of PCT receiving Office forms in editable PDF format. This collection has already been successfully tested by several receiving offices and will join the other PCT forms on the website very soon.

#### **Practical Advice**

### Translation of the international preliminary examination report and its annexes

Q: My international application was filed in German with the German Patent and Trade Mark Office as receiving Office, which accepts German as a filing language, and was searched by the European Patent Office (EPO) as International Searching Authority. I have now filed a demand for international preliminary examination with the EPO as International Preliminary Examining Authority, and have elected all States. I expect to receive the international preliminary examination report (IPER) shortly, and would like to know whether it will be established in German, and if so, whether a translation of the IPER will have to be prepared for the purposes of those elected Offices for which German is not one of the official languages? If a translation is required, who does the translation, and how much will it cost?

A: The IPER will be in the language in which the international application to which it relates is published, or if the international preliminary examination is carried out on the basis of a translation of the international application, in the language of that translation (see PCT Rule 70.17). Since your international application was filed and published in German, German will be the language in which the IPER will be established.

It is recalled that it is the International Preliminary Examining Authority that sends the IPER

in its original language (including copies of any annexes) to the applicant, and the International Bureau (IB) that sends a copy of the IPER (including copies of any annexes) in its original language, to the elected Offices (see PCT Article 36(3)(a)).

Any elected Office may require that the IPER, established in any language other than its official language, or one of its official languages, be translated into English (see PCT Rule 72.1). Therefore, in your case, any elected Office for which German is not an official language may require that the IPER be translated into English.

The translation of the body of the IPER will be prepared by the IB (see PCT Article 36(2)(b)). There is no separate fee for this service, which is covered by the handling fee, and it is not necessary for you to request the IB to prepare that translation. The IB transmits a copy of the English translation of the IPER to the applicant and to elected Offices concerned. If you, as applicant, are of the opinion that there are errors in the translation of the IPER, you may send written observations on such errors to any interested elected Office, with a copy to the IB (see PCT Rule 72.3).

Any annexes to the IPER (such as replacement sheets containing amendments under PCT Article 19 and/or PCT Article 34 which have been taken into account for the establishment of the IPER, or replacement sheets containing rectifications of obvious errors authorized under PCT Rule 91) will also be in the language in which your international application has been published; that is, in your case, German.

Where any elected Office requires a translation of the annexes to the IPER, the preparation of that translation, and the furnishing of it, to the elected Offices concerned *is the responsibility of the applicant* (see PCT Article 36(2)(b) and Rule 74.1). The time limit for the furnishing of the translation of those annexes is the time limit applicable under PCT Article 39(1), or any later time limit specified by the elected Offices concerned.

For further information on translation requirements for entry into the national phase, including the time limit applicable before each elected Office for the furnishing of the translation, see the *PCT Applicant's Guide*, Vol. II/A, paras. 24–42, and Vol. II/A to D, National Chapter Summaries.

	PCT Seminar Calendar			
Dates and location	Language of seminar	Nature of seminar; WIPO speakers (and others where known)	Organizer and contact numbers	
9–10 July 2003 Panama City (Panama)	Spanish	WIPO National Seminar on the PCT WIPO speakers: Mr. Hernández Vigaud and Mrs. Guerra	Directorate General of the Industrial Property Registry, National Directorate of Commerce, Ministry of Commerce and Industries of Panama (Mrs. Luz Celeste Rios de Davis) Tel: (507) 360 07 05 Fax: (507) 321 02 66	
14–15 July 2003 San Francisco (US)	English	PCT seminar WIPO speakers: Mr. Matthes and Mr. Maassel	American Intellectual Property Law Association (AIPLA) (Ms. Iris Howell) Tel: (1–703) 415 07 80 Fax: (1–703) 415 07 86 E-mail: aipla@aipla.org Internet (for registration): www.aipla.org	
15 July 2003 Havana (CU)	Spanish	Working Session on the PCT WIPO speaker: Mr. Hernández Vigaud	Cuban Industrial Property Office (OCPI) (Mrs. María de los Ángeles Sánchez Torres) Tel: (53–7) 335 610 Fax: (53–7) 610 185 E-mail: ocpi@ocpi.cu Internet: www.ocpi.cu	
15–16 July 2003 Maputo (MZ)	English/ Portuguese	WIPO National Seminar on Industrial Property and the Patent Cooperation Treaty (PCT) WIPO speaker: Mr. Nyagua	Ministry of Industry and Commerce, National Directorate of Industry (Mr. Alfredo Filipe Sitoe) Tel: (258–1) 325 640 Fax: (258–1) 311 564/431 418	
17–18 July 2003 Detroit (US)	English	PCT seminar WIPO speakers: Mr. Matthes and Mr. Maassel	American Intellectual Property Law Association (AIPLA) (Ms. Iris Howell) Tel: (1–703) 415 07 80 Fax: (1–703) 415 07 86 E-mail: aipla@aipla.org Internet (for registration): www.aipla.org	
21–22 July 2003 New York (US)	English	Advanced PCT seminar WIPO speakers: Mr. Matthes and Mr. Maassel	American Intellectual Property Law Association (AIPLA) [as above]	
10–12 August 2003 Washington, D.C. (US)	English	Advanced PCT seminar for patent attorneys WIPO speaker: Mr. Maassel Other speaker: Mr. Reed (The Procter & Gamble Company (US))	Patent Resources Group, Inc. Tel: (1–434) 296 39 00 Fax: (1–434) 975 20 66	

	PCT Seminar Calendar [continued]				
Dates and location	Language of seminar	Nature of seminar; WIPO speakers (and others where known)	Organizer and contact numbers		
14-16 August 2003 Washington, D.C. (US)	English	Basic PCT seminar for patent attorneys WIPO speaker: Mr. Maassel Other speaker: Mr. Reed (The Procter & Gamble Company (US))	Patent Resources Group, Inc. (see above)		
9–10 September 2003 Munich (DE) (previously announced as 11–12 September 2003)	German	Basic PCT seminar (previously announced as advanced seminar) WIPO speakers: Mr. H.G. Bartels and Mr. Reischle	Forum Institut für Management GmbH Tel: (49–6221) 500 500 Fax: (49–6221) 500 505 E-mail: Management@Forum-Institut.de		
16–17 October 2003 Boston (US)	English	PCT seminar: "Advanced PCT Practice" WIPO speaker: Mr. Maassel Other speakers: Ms. Bidwell (USPTO) and Mr. Reed (The Procter & Gamble Company (US))	Boston Patent Law Association (Mr. Neil P. Ferraro) Tel: (1–617) 720 35 00 Fax: (1–617) 720 24 41 E-mail: nferraro@wolfgreenfield.com Internet: www.bpla.org		
17 October 2003 Munich (DE)	German	Seminar on the latest changes in the PCT system and on the national phase WIPO speaker: Mr. Matthes Other speaker: Mr. Wolff (European Patent Office)	Forum Institut für Management GmbH Tel: (49–6221) 500 500 Fax: (49–6221) 500 505 E-mail: Management@Forum-Institut.de		
27–28 October 2003 Santa Ana (CA) (US)	English	Advanced PCT seminar WIPO speakers: Mr. Reischle and Mr. Maassel	Orange County Patent Law Association (OCPLA) (Mr. Stefan J. Kirchanski) Tel: (1–310) 734 54 03 Fax: (1–310) 734 52 99 E-mail: skirchanski@ReedSmith.com		
14 November 2003 London (GB)	English	PCT presentation at the Annual Senior Patent Administrators' Conference WIPO speaker(s): to be announced	Management Forum Ltd Tel: (44–1483) 57 00 99 Fax: (44–1483) 53 64 24 E-mail: josephine.leak@management-forum.co.uk		
9–10 December 2003 Paris (FR)	French	Basic PCT seminar on PCT procedures WIPO speaker: Mr. Baron and Mr. Genin	Institut national de la propriété industrielle (INPI) (Mrs. Christiane Sadrin) Tel: (33–1) 53 04 55 76 Fax: (33–1) 42 93 63 52		
11–12 December 2003 London (GB)	English	Advanced PCT course WIPO speaker(s): to be announced	Management Forum Ltd Tel: (44–1483) 57 00 99 Fax: (44–1483) 53 64 24 E-mail: josephine.leak@management-forum.co.uk		

## MOST FREQUENT PCT USERS\* (applicants with the most international applications published in 2002)

Rank	Applicant	Country of residence	No. published in 2002
1.	Koninklijke Philips Electronics N.V.	NL	1,922
2.	Siemens Aktiengesellschaft	DE	1,268
3.	Robert Bosch GmbH	DE	1,201
4.	Telefonaktiebolaget L M Ericsson	SE	870
5.	Matsushita Electric Industrial Co., Ltd.	JP	838
6.	Sony Corporation	JP	676
7.	Nokia Corporation	FI	651
8.	3M Innovative Properties Company	US	578
9.	Motorola, Inc.	US	559
10.	Bayer Aktiengesellschaft	DE	549
11.	The Procter & Gamble Company	US	536
12.	BASF Aktiengesellschaft	DE	473
13.	Infineon Technologies AG	DE	454
14.	Honeywell International Inc.	US	422
15.	Mitsubishi Denki Kabushiki Kaisha	JP	421
16.	Intel Corporation	US	353
17.	International Business Machines Corporation	US	345
18.	Qualcomm Incorporated	US	320
19.	The Regents of the University of California	US	309
20.	E.I. Du Pont de Nemours and Company	US	279
21.	Sun Microsystems, Inc.	US	276
22.	General Electric Company	US	259
23.	Kimberly-Clark Worldwide, Inc.	US	258
24.	Fujitsu Limited	JP	246
25.	Thomson Licensing S.A.	FR	241
26.	L'Oréal	FR	229
27.	Biowindow Gene Development Inc. Shanghai	CN	224
28.	Corning Incorporated	US	217
29.	Applied Materials Inc.	US	212
30.	Japan Science and Technology Corporation	JP	211
31.	Hitachi, Ltd.	JP	202
32.	Unilever plc	GB	196
33.	AstraZeneca AB	SE	192
	Merck Patent GmbH	DE	192
35.	Henkel Kommanditgesellschaft auf Aktien	DE	190
36.	Advanced Micro Devices, Inc.	US	185
37.	Tokyo Electron Limited	JP	179
38.	Bristol-Myers Squibb Company	US	177
39.	Hewlett-Packard Company	US	171
40.	Millennium Pharmaceuticals, Inc.	US	167

<sup>\*</sup> The list contains the first-named applicants in 50 or more international applications published in 2002. Note that certain legal entities may be listed separately from other legal entities with which they may be affiliated.

Rank	Applicant	Country of residence	No. published in 2002
41.	Honda Giken Kogyo Kabushiki Kaisha	JP	165
42.	Takeda Chemical Industries, Ltd.	JP	165
43.	PE Corporation (NY)	US	161
44.	Scimed Life Systems, Inc.	US	160
45.	Glaxo Group Limited	GB	158
46.	Degussa AG	DE	155
47.	Incyte Genomics, Inc.	US	151
48.	Ericsson Inc.	US	148
49.	Novartis AG	СН	146
50.	Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.	DE	145
51.	Merck & Co. Inc.	US	139
52.	Medtronic, Inc.	US	137
	Wyeth	US	137
54.	Eli Lilly and Company	US	133
55.	Akzo Nobel N.V.	NL	132
	Sanyo Electric Co., Ltd.	JP	132
57.	Ciba Specialty Chemicals Holding Inc.	СН	131
	Shell Internationale Research Maatschappij B.V.	NL	131
59.	BSH Bosch und Siemens Hausgeräte GmbH	DE	127
	Commissariat à l'Énergie Atomique	FR	127
61.	DaimlerChrysler AG	DE	125
62.	France Télécom	FR	123
	Infineon Technologies North America Corp.	US	123
64.	Nikon Corporation	JP	120
65.	DSM N.V.	NL	118
	Smithkline Beecham Corporation	US	118
	Société des Produits Nestlé S.A.	CH	118
68.	Metso Paper, Inc.	FI	116
69.	Kabushiki Kaisha Toshiba	JP	113
	Nortel Networks Limited	CA	113
71.	F. Hoffmann-La-Roche AG	CH	111
72.	Nec Corporation	JP	110
73.	Showa Denko K. K.	JP	106
74.	Rhodia Chimie	FR	105
	Seiko Epson Corporation	JP	105
76.	British Telecommunications Public Limited Company	GB	103
	The Johns Hopkins University	US	103
78.	Milliken & Company	US	102
79.	Genaissance Pharmaceuticals, Inc.	US	101
	Sharp Kabushiki Kaisha	JP	101

Rank	Applicant	Country of residence	No. published in 2002
81. (	Centre National de la Recherche Scientifique (C.N.R.S.)	FR	100
82. I	Dairei Co., Ltd.	JP	99
	Board of Regents, the University of Texas System	US	99
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	Silverbrook Research Pty. Ltd.	AU	91
94. /	Advantest Corporation	JP	88
	Broadcom Corporation	US	88
96. V	Weatherford/Lamb, Inc.	US	87
97. /	Asahi Kasei Kabushiki Kaisha	JP	86
	Bridgestone Corporation	JP	86
	Conexant Systems, Inc.	US	86
ı	Raytheon Company	US	86
101. (	Gemplus	FR	85
-	Thales	FR	85
ı	Unilever N.V.	NL	85
104. I	Boehringer Ingelheim Pharma KG	DE	83
105.	Chugai Seiyaku Kabushiki Kaisha	JP	82
ı	Kaneka Corporation	JP	82
107.	Ortho-McNeil Pharmaceutical, Inc.	US	81
	Smithkline Beecham plc	GB	81
109.	Tetra Laval Holdings & Finance S.A.	СН	80
ı	United States Postal Service	US	80
111. I	LG Electronics Inc.	KR	79
112. I	Dow Global Technologies Inc.	US	78
	Sumitomo Electric Industries, Ltd.	JP	78
114. I	Baker Hughes Incorporated	US	77
I	Lam Research Corporation	US	77
116.	Schott Glas	DE	76
117.	Ajinomoto Co., Inc.	JP	75
	HRL Laboratories, LLC	US	75
ı	Koenig & Bauer Aktiengesellschaft	DE	75
ı	Pharmacia & Upjohn Company	US	75

Rank	Applicant	Country of residence	No. published in 2002
	Sony Computer Entertainment Inc.	JP	75
	STMicroelectronics S.A.	FR	75
123.	Nichibei Co., Ltd.	JP	74
124.	ADC Telecommunications, Inc.	US	73
	Deltagen, Inc.	US	73
	Hamamatsu Photonics K.K.	JP	73
	Lockheed Martin Corporation	US	73
	Mitsui Chemicals, Inc.	JP	73
	SMS Demag Aktiengesellschaft	DE	73
130.	Eastman Chemical Company	US	72
131.	Atofina	FR	71
	Bookham Technology plc	GB	71
	Delphi Technologies Inc.	US	71
	Samsung Electronics Co., Ltd.	KR	71
135.	Ebara Corporation	JP	70
136.	Syngenta Participations AG	CH	69
137.	Micron Technology, Inc.	US	68
	The Trustees of Columbia University in the City of New York	US	68
	Toyota Jidosha Kabushiki Kaisha	JP	68
140.	Cognis Deutschland GmbH & Co. KG	DE	67
141.	Council of Scientific and Industrial Research	IN	66
	Lexmark International, Inc.	US	66
143.	Forschungszentrum Jülich GmbH	DE	65
	Shin-Etsu Handotai Co., Ltd.	JP	65
145.	Beiersdorf AG	DE	63
	Continental Teves AG & Co. OHG	DE	63
	Idemitsu Petrochemical Co., Ltd.	JP	63
	Nippon Sheet Glass Co., Ltd.	JP	63
	Novo Nordisk A/S	DK	63
	QinetiQ Limited	GB	63
	Warner-Lambert Company	US	63
152.	Asahi Glass Company, Limited	JP	62
	L'Air Liquide, Société Anonyme à Directoire et Conseil de Surveillance pour l'Étude et l'Exploitation des Procédés Georges Claude	FR	62
	Sankyo Company Limited	JP	62
	Wisconsin Alumni Research Foundation	US	62
156.	Nippon Steel Corporation	JP	61
	SCA Hygiene Products AB	SE	61
	Schering Corporation	US	61
	The General Hospital Corporation	US	61
	The Regents of the University of Michigan	US	61

161. Bayer Corporation         US         60           Commonwealth Scientific and Industrial Research Organisation         AU         60           Harris Corporation         US         60           Novozymes A/S         DK         60           Schering Aktiengesellschaft         DE         60           16. Human Genome Sciences, Inc.         US         59           18. Isinnovation Limited         GB         59           Zymogenetics, Inc.         US         58           69. Battelle Memorial Institute         US         58           Prizzer Products, Inc.         US         58           172. Consejo Superior de Investigaciones Científicas         ES         57           173. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           7DK Corporation         US         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.	Rank	Applicant	Country of residence	No. published in 2002
Harris Corporation	161.	Bayer Corporation	US	60
Novozymes A/S		Commonwealth Scientific and Industrial Research Organisation	AU	60
Schering Aktiengesellschaft         DE         60           166.         Human Genome Sciences, Inc.         US         59           Isis Innovation Limited         GB         59           Zymogenetics, Inc.         US         58           Pfizer Products, Inc.         US         58           Toray Industries, Inc.         JP         58           172.         Consejo Superior de Investigaciones Cientificas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.         DE         57           175.         Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178.         Mitsubishi Heavy Industries, Ltd.         JP         55           179.         Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcorn, Inc.         US         53           182.         Aventis Pharma Deutschland GmbH         DE         53           Baxter International Ind.         US         53           NTT Docomo, Inc. <td></td> <td>Harris Corporation</td> <td>US</td> <td>60</td>		Harris Corporation	US	60
166. Human Genome Sciences, Inc.         US         59           Isis Innovation Limited         GB         59           Zymogenetics, Inc.         US         59           169. Battelle Memorial Institute         US         58           Pfizer Products, Inc.         US         58           Toray Industries, Inc.         US         58           172. Consejo Superior de Investigaciones Científicas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.         DE         57           175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         US         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Doco		Novozymes A/S	DK	60
Isis Innovation Limited		Schering Aktiengesellschaft	DE	60
Zymogenetics, Inc.         US         59           169. Battelle Memorial Institute         US         58           Pfizer Products, Inc.         US         58           Toray Industries, Inc.         JP         58           172. Consejo Superior de Investigaciones Cientificas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Geselischaft zur F\u00f6rderung der W\u00e4ssenschaften e.V.         DE         57           Max-Planck-Geselischaft zur F\u00f6rderung der W\u00e4ssenschaften e.V.         DE         57           Mx-Planck-Geselischaft zur F\u00f6rderung der W\u00e4ssenschaften e.V.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           XF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         US         54           Worldcom, Inc.         US         54           Worldcom, Inc.         US         53           NTT Docomo, Inc.         US         53           NTT Docomo, Inc.         US         53 <td>166.</td> <td>Human Genome Sciences, Inc.</td> <td>US</td> <td>59</td>	166.	Human Genome Sciences, Inc.	US	59
169. Battelle Memorial Institute         US         58           Pfizer Products, Inc.         US         58           Toray Industries, Inc.         JP         58           172. Consejo Superior de Investigaciones Científicas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur F\u00f6rderung der Wissenschaften e.V.         DE         57           175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         US         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG		Isis Innovation Limited	GB	59
Pfizer Products, Inc.         US         58           Toray Industries, Inc.         JP         58           172. Consejo Superior de Investigaciones Científicas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.         DE         57           175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           Worldcom, Inc.         US         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52<		Zymogenetics, Inc.	US	59
17cay Industries, Inc.         JP         58           172.         Consejo Superior de Investigaciones Científicas         ES         57           Giesecke & Devrient GmbH         DE         57           175.         Halliburton Energy Services, Inc.         US         56           175.         Halliburton Energy Services, Inc.         US         56           2 Friedrichshafen AG         DE         56           178.         Mitsubishi Heavy Industries, Ltd.         JP         55           179.         Pharmacia Corporation         US         54           179.         Pharmacia Corporation         US         54           170.         Worldcom, Inc.         US         54           182.         Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           188.         BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190.         Alcatel         FR         51	169.	Battelle Memorial Institute	US	58
172.         Consejo Superior de Investigaciones Científicas         ES         57           Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.         DE         57           175.         Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178.         Mitsubishi Heavy Industries, Ltd.         JP         55           179.         Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           Worldcom, Inc.         US         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188.         BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52		Pfizer Products, Inc.	US	58
Giesecke & Devrient GmbH         DE         57           Max-Planck-Gesellschaft zur F\u00f6rderung der Wissenschaften e.V.         DE         57           175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baster International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51<		Toray Industries, Inc.	JP	58
Max-Planck-Gesellschaft zur F\u00f6rderung der Wissenschaften e.V.         DE         57           175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         JP         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51	172.	Consejo Superior de Investigaciones Científicas	ES	57
175. Halliburton Energy Services, Inc.         US         56           Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd. <td></td> <td>Giesecke &amp; Devrient GmbH</td> <td>DE</td> <td>57</td>		Giesecke & Devrient GmbH	DE	57
Seagate Technology LLC         US         56           ZF Friedrichshafen AG         DE         56           178. Mitsubishi Heavy Industries, Ltd.         JP         55           179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         JS         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI		Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	57
ZF Friedrichshafen AG         DE         56           178.         Mitsubishi Heavy Industries, Ltd.         JP         55           179.         Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182.         Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         JP         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188.         BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190.         Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51 </td <td>175.</td> <td>Halliburton Energy Services, Inc.</td> <td>US</td> <td>56</td>	175.	Halliburton Energy Services, Inc.	US	56
178.       Mitsubishi Heavy Industries, Ltd.       JP       55         179.       Pharmacia Corporation       US       54         TDK Corporation       JP       54         Worldcom, Inc.       US       54         182.       Aventis Pharma Deutschland GmbH       DE       53         Baxter International Inc.       US       53         Daicel Chemical Industries, Ltd.       JP       53         NTT Docomo, Inc.       JP       53         Pitney Bowes Inc.       US       53         The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         188.       BASF Coatings AG       DE       52         Clariant International Ltd.       CH       52         190.       Alcatel       FR       51         Becton, Dickinson and Company       US       51         Clariant GmbH       DE       51         Digeo, Inc.       US       51         Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197.       Aventis Pharma S.A.       FR       50 <td></td> <td>Seagate Technology LLC</td> <td>US</td> <td>56</td>		Seagate Technology LLC	US	56
179. Pharmacia Corporation         US         54           TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197. Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50		ZF Friedrichshafen AG	DE	56
TDK Corporation         JP         54           Worldcom, Inc.         US         54           182. Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197. Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50           Lexicon Genetics Incorporated         US         50 </td <td>178.</td> <td>Mitsubishi Heavy Industries, Ltd.</td> <td>JP</td> <td>55</td>	178.	Mitsubishi Heavy Industries, Ltd.	JP	55
Worldcom, Inc.         US         54           182.         Aventis Pharma Deutschland GmbH         DE         53           Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188.         BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190.         Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197.         Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50           Lexicon Genetics Incorporated         US         50	179.	Pharmacia Corporation	US	54
182.       Aventis Pharma Deutschland GmbH       DE       53         Baxter International Inc.       US       53         Daicel Chemical Industries, Ltd.       JP       53         NTT Docomo, Inc.       JP       53         Pitney Bowes Inc.       US       53         The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         188.       BASF Coatings AG       DE       52         Clariant International Ltd.       CH       52         190.       Alcatel       FR       51         Becton, Dickinson and Company       US       51         Clariant GmbH       DE       51         Digeo, Inc.       US       51         Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197.       Aventis Pharma S.A.       FR       50         Avery Dennison Corporation       US       50         Lexicon Genetics Incorporated       US       50         Monsanto Technology LLC       US       50		TDK Corporation	JP	54
Baxter International Inc.         US         53           Daicel Chemical Industries, Ltd.         JP         53           NTT Docomo, Inc.         JP         53           Pitney Bowes Inc.         US         53           The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197. Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50           Lexicon Genetics Incorporated         US         50           Monsanto Technology LLC         US         50		Worldcom, Inc.	US	54
Daicel Chemical Industries, Ltd.  NTT Docomo, Inc.  Pitney Bowes Inc.  The Government of the United States of America, represented by the Secretary, Department of Health and Human Services  188. BASF Coatings AG Clariant International Ltd.  CH 52 190. Alcatel  Becton, Dickinson and Company Clariant GmbH Digeo, Inc. Kyowa Hakko Kogyo Co., Ltd. Outokumpu Oyj Teijin Limited  197. Aventis Pharma S.A. Avery Dennison Corporation Lexicon Genetics Incorporated Monsanto Technology LLC  NS 53 188. BASF Coatings AG DE 52 CLariant Muman Services  US 53 188. BASF Coatings AG DE 54 55 188. BASF Coatings AG DE 52 CLariant International Ltd. CH 52 CH 53 CH 54 CH 55 CH	182.	Aventis Pharma Deutschland GmbH	DE	53
NTT Docomo, Inc. Pitney Bowes Inc. US 53 The Government of the United States of America, represented by the Secretary, Department of Health and Human Services US 53  188. BASF Coatings AG Clariant International Ltd. CH 52  190. Alcatel Becton, Dickinson and Company Clariant GmbH Digeo, Inc. Kyowa Hakko Kogyo Co., Ltd. Outokumpu Oyj Fi Teijin Limited JP 51  197. Aventis Pharma S.A. Avery Dennison Corporation Lexicon Genetics Incorporated Monsanto Technology LLC  US 50  Lexicon Genetics Incorporated Monsanto Technology LLC		Baxter International Inc.	US	53
Pitney Bowes Inc. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services  188. BASF Coatings AG Clariant International Ltd. CH 52 190. Alcatel Becton, Dickinson and Company Clariant GmbH Digeo, Inc. Kyowa Hakko Kogyo Co., Ltd. Outokumpu Oyj FI Teijin Limited  197. Aventis Pharma S.A. Avery Dennison Corporation Lexicon Genetics Incorporated Monsanto Technology LLC  US 53 CUS 53 US 54 US 55 US 51 US 51 51 51 51 51 51 51 51 51 51 51 51 51		Daicel Chemical Industries, Ltd.	JP	53
The Government of the United States of America, represented by the Secretary, Department of Health and Human Services  188. BASF Coatings AG Clariant International Ltd.  190. Alcatel  Becton, Dickinson and Company Clariant GmbH Digeo, Inc. Kyowa Hakko Kogyo Co., Ltd. Outokumpu Oyj  Teijin Limited  197. Aventis Pharma S.A. Avery Dennison Corporation Lexicon Genetics Incorporated Monsanto Technology LLC  US 53  CUS 53  CUS 54  CH 52  CH 53  CH 54  CH 55  CH 56  CH 56  CH 57  CH 58  CH 58  CH 59  CH 50		NTT Docomo, Inc.	JP	53
Department of Health and Human Services         US         53           188. BASF Coatings AG         DE         52           Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197. Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50           Lexicon Genetics Incorporated         US         50           Monsanto Technology LLC         US         50		Pitney Bowes Inc.	US	53
Clariant International Ltd.         CH         52           190. Alcatel         FR         51           Becton, Dickinson and Company         US         51           Clariant GmbH         DE         51           Digeo, Inc.         US         51           Kyowa Hakko Kogyo Co., Ltd.         JP         51           Outokumpu Oyj         FI         51           Teijin Limited         JP         51           197. Aventis Pharma S.A.         FR         50           Avery Dennison Corporation         US         50           Lexicon Genetics Incorporated         US         50           Monsanto Technology LLC         US         50			US	53
190. Alcatel       FR       51         Becton, Dickinson and Company       US       51         Clariant GmbH       DE       51         Digeo, Inc.       US       51         Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197. Aventis Pharma S.A.       FR       50         Avery Dennison Corporation       US       50         Lexicon Genetics Incorporated       US       50         Monsanto Technology LLC       US       50	188.	BASF Coatings AG	DE	52
Becton, Dickinson and Company Clariant GmbH DE 51 Digeo, Inc. Kyowa Hakko Kogyo Co., Ltd. Outokumpu Oyj FI Teijin Limited JP 51 Teyn Limited JP 51 Aventis Pharma S.A. FR 50 Avery Dennison Corporation Lexicon Genetics Incorporated Monsanto Technology LLC US 51 E51 DISCRIPTION US 51 US 50 US 50 US 50		Clariant International Ltd.	СН	52
Clariant GmbH       DE       51         Digeo, Inc.       US       51         Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197. Aventis Pharma S.A.       FR       50         Avery Dennison Corporation       US       50         Lexicon Genetics Incorporated       US       50         Monsanto Technology LLC       US       50	190.	Alcatel	FR	51
Digeo, Inc.       US       51         Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197. Aventis Pharma S.A.       FR       50         Avery Dennison Corporation       US       50         Lexicon Genetics Incorporated       US       50         Monsanto Technology LLC       US       50		Becton, Dickinson and Company	US	51
Kyowa Hakko Kogyo Co., Ltd.       JP       51         Outokumpu Oyj       FI       51         Teijin Limited       JP       51         197. Aventis Pharma S.A.       FR       50         Avery Dennison Corporation       US       50         Lexicon Genetics Incorporated       US       50         Monsanto Technology LLC       US       50		Clariant GmbH	DE	51
Outokumpu Oyj FI 51 Teijin Limited JP 51  197. Aventis Pharma S.A. FR 50 Avery Dennison Corporation US 50 Lexicon Genetics Incorporated US 50 Monsanto Technology LLC US 50		Digeo, Inc.	US	51
Outokumpu Oyj FI 51 Teijin Limited JP 51  197. Aventis Pharma S.A. FR 50 Avery Dennison Corporation US 50 Lexicon Genetics Incorporated US 50 Monsanto Technology LLC US 50		Kyowa Hakko Kogyo Co., Ltd.	JP	51
197. Aventis Pharma S.A.FR50Avery Dennison CorporationUS50Lexicon Genetics IncorporatedUS50Monsanto Technology LLCUS50		Outokumpu Oyj	FI	51
Avery Dennison Corporation US 50 Lexicon Genetics Incorporated US 50 Monsanto Technology LLC US 50		Teijin Limited	JP	51
Lexicon Genetics Incorporated US 50 Monsanto Technology LLC US 50	197.	Aventis Pharma S.A.	FR	50
Monsanto Technology LLC US 50		Avery Dennison Corporation	US	50
		Lexicon Genetics Incorporated	US	50
National Institute of Advanced Industrial Science and Technology JP 50		Monsanto Technology LLC	US	50
		National Institute of Advanced Industrial Science and Technology	JP	50

## MOST FREQUENT PCT USERS\* (applicants with the most international applications published in 2002) (by alphabetical order of applicants' names)

Rank	Applicant	Country of residence	No. published in 2002
8.	3M Innovative Properties Company	US	578
92.	ABB AB	SE	91
91.	Abbott Laboratories	US	95
124.	ADC Telecommunications, Inc.	US	73
36.	Advanced Micro Devices, Inc.	US	185
94.	Advantest Corporation	JP	88
117.	Ajinomoto Co., Inc.	JP	75
55.	Akzo Nobel N.V.	NL	132
190.	Alcatel	FR	51
29.	Applied Materials Inc.	US	212
152.	Asahi Glass Company, Limited	JP	62
97.	Asahi Kasei Kabushiki Kaisha	JP	86
33.	AstraZeneca AB	SE	192
131.	Atofina	FR	71
182.	Aventis Pharma Deutschland GmbH	DE	53
197.	Aventis Pharma S.A.	FR	50
197.	Avery Dennison Corporation	US	50
114.	Baker Hughes Incorporated	US	77
12.	BASF Aktiengesellschaft	DE	473
188.	BASF Coatings AG	DE	52
169.	Battelle Memorial Institute	US	58
182.	Baxter International Inc.	US	53
10.	Bayer Aktiengesellschaft	DE	549
161.	Bayer Corporation	US	60
190.	Becton, Dickinson and Company	US	51
145.	Beiersdorf AG	DE	63
27.	Biowindow Gene Development Inc. Shanghai	CN	224
82.	Board of Regents, the University of Texas System	US	99
104.	Boehringer Ingelheim Pharma KG	DE	83
131.	Bookham Technology plc	GB	71
97.	Bridgestone Corporation	JP	86
38.	Bristol-Myers Squibb Company	US	177
76.	British Telecommunications Public Limited Company	GB	103
94.	Broadcom Corporation	US	88
59.	BSH Bosch und Siemens Hausgeräte GmbH	DE	127
82.	California Institute of Technology	US	99
81.	Centre National de la Recherche Scientifique (C.N.R.S.)	FR	100
105.	Chugai Seiyaku Kabushiki Kaisha	JP	82
57.	Ciba Specialty Chemicals Holding Inc.	CH	131
190.	Clariant GmbH	DE	51

<sup>\*</sup> The list contains the first-named applicants in 50 or more international applications published in 2002. Note that certain legal entities may be listed separately from other legal entities with which they may be affiliated.

Rank	Applicant	Country of residence	No. published in 2002
188.	Clariant International Ltd.	CH	52
140.	Cognis Deutschland GmbH & Co. KG	DE	67
59.	Commissariat à l'Énergie Atomique	FR	127
161.	Commonwealth Scientific and Industrial Research Organisation	AU	60
97.	Conexant Systems, Inc.	US	86
172.	Consejo Superior de Investigaciones Científicas	ES	57
145.	Continental Teves AG & Co. OHG	DE	63
28.	Corning Incorporated	US	217
141.	Council of Scientific and Industrial Research	IN	66
86.	Curagen Corporation	US	98
182.	Daicel Chemical Industries, Ltd.	JP	53
61.	DaimlerChrysler AG	DE	125
82.	Dairei Co., Ltd.	JP	99
46.	Degussa AG	DE	155
131.	Delphi Technologies Inc.	US	71
124.	Deltagen, Inc.	US	73
190.	Digeo, Inc.	US	51
112.	Dow Global Technologies Inc.	US	78
65.	DSM N.V.	NL	118
20.	E.I. Du Pont de Nemours and Company	US	279
130.	Eastman Chemical Company	US	72
135.	Ebara Corporation	JP	70
54.	Eli Lilly and Company	US	133
48.	Ericsson Inc.	US	148
82.	Exxonmobil Chemical Patents Inc.	US	99
90.	Exxonmobil Research and Engineering Company	US	96
71.	F. Hoffmann-La-Roche AG	CH	111
143.	Forschungszentrum Jülich GmbH	DE	65
62.	France Télécom	FR	123
50.	Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.	DE	145
24.	Fujitsu Limited	JP	246
101.	Gemplus	FR	85
79.	Genaissance Pharmaceuticals, Inc.	US	101
22.	General Electric Company	US	259
172.	Giesecke & Devrient GmbH	DE	57
45.	Glaxo Group Limited	GB	158
175.	Halliburton Energy Services, Inc.	US	56
124.	Hamamatsu Photonics K.K.	JP	73
161.	Harris Corporation	US	60
35.	Henkel Kommanditgesellschaft auf Aktien	DE	190

Rank	Applicant	Country of residence	No. published in 2002
39.	Hewlett-Packard Company	US	171
31.	Hitachi, Ltd.	JP	202
41.	Honda Giken Kogyo Kabushiki Kaisha	JP	165
14.	Honeywell International Inc.	US	422
117.	HRL Laboratories, LLC	US	75
166.	Human Genome Sciences, Inc.	US	59
145.	Idemitsu Petrochemical Co., Ltd.	JP	63
47.	Incyte Genomics, Inc.	US	151
13.	Infineon Technologies AG	DE	454
62.	Infineon Technologies North America Corp.	US	123
16.	Intel Corporation	US	353
17.	International Business Machines Corporation	US	345
166.	Isis Innovation Limited	GB	59
86.	Isis Pharmaceuticals, Inc.	US	98
30.	Japan Science and Technology Corporation	JP	211
69.	Kabushiki Kaisha Toshiba	JP	113
105.	Kaneka Corporation	JP	82
23.	Kimberly-Clark Worldwide, Inc.	US	258
117.	Koenig & Bauer Aktiengesellschaft	DE	75
1.	Koninklijke Philips Electronics N.V.	NL	1,922
190.	Kyowa Hakko Kogyo Co., Ltd.	JP	51
152.	L'Air Liquide, Société Anonyme à Directoire et Conseil de Surveillance pour l'Étude et l'Exploitation des Procédés Georges Claude	FR	62
114.	Lam Research Corporation	US	77
197.	Lexicon Genetics Incorporated	US	50
141.	Lexmark International, Inc.	US	66
111.	LG Electronics Inc.	KR	79
124.	Lockheed Martin Corporation	US	73
26.	L'Oréal	FR	229
88.	Massachusetts Institute of Technology	US	97
5.	Matsushita Electric Industrial Co., Ltd.	JP	838
172.	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	57
52.	Medtronic, Inc.	US	137
51.	Merck & Co. Inc.	US	139
33.	Merck Patent GmbH	DE	192
68.	Metso Paper, Inc.	FI	116
137.	Micron Technology, Inc.	US	68
40.	Millennium Pharmaceuticals, Inc.	US	167
78.	Milliken & Company	US	102
15.	Mitsubishi Denki Kabushiki Kaisha	JP	421
178.	Mitsubishi Heavy Industries, Ltd.	JP	55

Rank	Applicant	Country of residence	No. published in 2002
124.	Mitsui Chemicals, Inc.	JP	73
197.	Monsanto Technology LLC	US	50
9.	Motorola, Inc.	US	559
197.	National Institute of Advanced Industrial Science and Technology	JP	50
72.	Nec Corporation	JP	110
123.	Nichibei Co., Ltd.	JP	74
64.	Nikon Corporation	JP	120
145.	Nippon Sheet Glass Co., Ltd.	JP	63
156.	Nippon Steel Corporation	JP	61
7.	Nokia Corporation	FI	651
69.	Nortel Networks Limited	CA	113
49.	Novartis AG	CH	146
145.	Novo Nordisk A/S	DK	63
161.	Novozymes A/S	DK	60
182.	NTT Docomo, Inc.	JP	53
107.	Ortho-McNeil Pharmaceutical, Inc.	US	81
190.	Outokumpu Oyj	FI	51
43.	PE Corporation (NY)	US	161
169.	Pfizer Products, Inc.	US	58
117.	Pharmacia & Upjohn Company	US	75
179.	Pharmacia Corporation	US	54
182.	Pitney Bowes Inc.	US	53
145.	QinetiQ Limited	GB	63
18.	Qualcomm Incorporated	US	320
97.	Raytheon Company	US	86
74.	Rhodia Chimie	FR	105
3.	Robert Bosch GmbH	DE	1,201
131.	Samsung Electronics Co., Ltd.	KR	71
152.	Sankyo Company Limited	JP	62
55.	Sanyo Electric Co., Ltd.	JP	132
156.	SCA Hygiene Products AB	SE	61
161.	Schering Aktiengesellschaft	DE	60
156.	Schering Corporation	US	61
116.	Schott Glas	DE	76
44.	Scimed Life Systems, Inc.	US	160
175.	Seagate Technology LLC	US	56
74.	Seiko Epson Corporation	JP	105
79.	Sharp Kabushiki Kaisha	JP	101
57.	Shell Internationale Research Maatschappij B.V.	NL	131
143.	Shin-Etsu Handotai Co., Ltd.	JP	65

73. Showa Denko K. K.         JP         106           2. Silverbox Aktiengesellischaft         DE         1,268           92. Silverbox Research Pty Ltd.         AU         91           65. Smithkline Beecham Dr.         GB         81           107. Smithkline Beecham plc         GB         81           124. SMS Demag Aktiengesellschaft         DE         73           86. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         676           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sum Microsystems, Inc.         US         276           113. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TOK Corporation         JP         54           190. Teijin Limited         JP         51           4. Telefonaktiebolaget L.M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           165. T	Rank	Applicant	Country of residence	No. published in 2002
92. Silverbrook Research Pty, Ltd.         AU         91           66. Smithkline Beecham Corporation         US         118           107. Smithkline Beecham plc         GB         81           124. SMS Demag Aktiengesellschaft         DE         73           88. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         75           65. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sun Microsystems, Inc.         US         276           138. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           12. The Government of the University of Michigan         US         53 <td>73.</td> <td>Showa Denko K. K.</td> <td>JP</td> <td>106</td>	73.	Showa Denko K. K.	JP	106
65. Smithkline Beecham Corporation         US         118           107. Smithkline Beecham plc         GB         81           124. SMS Demag Aktiengesellschaft         DE         73           88. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. SONY Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         76           118. Sumitions Electric Industries, Ltd.         JP         78           21. Sum Microsystems, Inc.         US         276           318. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         51           190. Teljin Limited         JP         51           191. Teljin Limited         JP         51           192. The Gorporation         JP         51           193. Teljin Limited         JP         51           194. Telechnaktebolaget L M Ericsson         SE         870           195. The Industries Jelic Limited States of America, represented by the Secretary, Department of the United States o	2.	Siemens Aktiengesellschaft	DE	1,268
107. Smithkline Beecham plc         GB         81           124. SMS Demag Aktiengesellschaft         DE         73           88. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sum Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teijin Limited         JP         54           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         53           19. The	92.	Silverbrook Research Pty. Ltd.	AU	91
124. SMS Demag Aktiengesellschaft         DE         73           88. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sumitiono Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teijin Limited         JP         51           190. Teitra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The General Hospital Corporation         US         61           182. The Johns Hopkins University         US         61           183. The Johns Hopkins University         US         53           76. The Johns Hopkins University of Michigan         US <td< td=""><td>65.</td><td>Smithkline Beecham Corporation</td><td>US</td><td>118</td></td<>	65.	Smithkline Beecham Corporation	US	118
88. Société de Technologie Michelin         FR         97           65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sumitomo Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Tetjin Limited         JP         54           190. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         53           12. The Regents of the University of California         US         309      <	107.	Smithkline Beecham plc	GB	81
65. Société des Produits Nestlé S.A.         CH         118           117. Sony Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sumitomo Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         54           199. Telijin Limited         JP         54           190. Telijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         53           19. The Procter & Gamble Company         US         536           19. The Regents of the University of Michigan         US         61 <tr< td=""><td>124.</td><td>SMS Demag Aktiengesellschaft</td><td>DE</td><td>73</td></tr<>	124.	SMS Demag Aktiengesellschaft	DE	73
117. Sony Computer Entertainment Inc.         JP         75           6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sumitomo Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         53           11. The Procter & Gamble Company         US         536           19. The Regents of the University of Michigan         US         536           19. The Trustees of Columbia University in the City of New York         US <t< td=""><td>88.</td><td>Société de Technologie Michelin</td><td>FR</td><td>97</td></t<>	88.	Société de Technologie Michelin	FR	97
6. Sony Corporation         JP         676           117. STMicroelectronics S.A.         FR         75           112. Sumitomo Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teljin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         53           76. The Johns Hopkins University         US         53           19. The Regents of the University of California         US         53           19. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR	65.	Société des Produits Nestlé S.A.	CH	118
117. STMicroelectronics S.A.         FR         75           112. Sumitomo Electric Industries, Ltd.         JP         78           21. Sun Microsystems, Inc.         US         276           136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         53           12. The Regents of the University of California         US         36           13. The Procter & Gamble Company         US         61           137. The Regents of the University of Michigan         US         68           25. Thomson Licensing S.A.         FR         241	117.	Sony Computer Entertainment Inc.	JP	75
112.       Sumitomo Electric Industries, Ltd.       JP       78         21.       Sun Microsystems, Inc.       US       276         136.       Syngenta Participations AG       CH       69         42.       Takeda Chemical Industries, Ltd.       JP       165         179.       TDK Corporation       JP       54         190.       Telijin Limited       JP       51         4.       Telefonaktlebolaget L M Ericsson       SE       870         109.       Tetra Laval Holdings & Finance S.A.       CH       80         101.       Thales       FR       85         156.       The General Hospital Corporation       US       61         182.       The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         76.       The Johns Hopkins University       US       103         11.       The Procter & Gamble Company       US       53         156.       The Regents of the University of Michigan       US       53         156.       The Regents of the University of Michigan       US       61         137.       The Instees of Columbia University of Michigan       US       68         25.	6.	Sony Corporation	JP	676
21. Sun Microsystems, Inc.       US       276         136. Syngenta Participations AG       CH       69         42. Takeda Chemical Industries, Ltd.       JP       165         179. TDK Corporation       JP       54         190. Teijin Limited       JP       51         4. Telefonaktiebolaget L M Ericsson       SE       870         109. Tetra Laval Holdings & Finance S.A.       CH       80         101. Thales       FR       85         156. The General Hospital Corporation       US       61         182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         76. The Johns Hopkins University       US       53         76. The Johns Hopkins University       US       53         19. The Procter & Gamble Company       US       536         19. The Regents of the University of Michigan       US       53         19. The Regents of the University of Michigan       US       61         137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP	117.	STMicroelectronics S.A.	FR	75
136. Syngenta Participations AG         CH         69           42. Takeda Chemical Industries, Ltd.         JP         165           179. TDK Corporation         JP         54           190. Teljin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of Michigan         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           101. Unilever N.V.         NL         85	112.	Sumitomo Electric Industries, Ltd.	JP	78
42. Takeda Chemical Industries, Ltd.       JP       165         179. TDK Corporation       JP       54         190. Teijin Limited       JP       51         4. Telefonaktiebolaget L M Ericsson       SE       870         109. Tetra Laval Holdings & Finance S.A.       CH       80         101. Thales       FR       85         156. The General Hospital Corporation       US       61         182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         76. The Johns Hopkins University       US       103         11. The Procter & Gamble Company       US       536         19. The Regents of the University of California       US       309         156. The Regents of the University of Michigan       US       68         137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196 <td>21.</td> <td>Sun Microsystems, Inc.</td> <td>US</td> <td>276</td>	21.	Sun Microsystems, Inc.	US	276
179. TDK Corporation         JP         54           190. Teijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of California         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         GB         196 <td>136.</td> <td>Syngenta Participations AG</td> <td>СН</td> <td>69</td>	136.	Syngenta Participations AG	СН	69
190. Teijin Limited         JP         51           4. Telefonaktiebolaget L M Ericsson         SE         870           109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of California         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         US         80           109. United States Postal Service         US         80<	42.	Takeda Chemical Industries, Ltd.	JP	165
4. Telefonaktiebolaget L M Ericsson       SE       870         109. Tetra Laval Holdings & Finance S.A.       CH       80         101. Thales       FR       85         156. The General Hospital Corporation       US       61         182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services       US       53         76. The Johns Hopkins University       US       103         11. The Procter & Gamble Company       US       536         19. The Regents of the University of Michigan       US       309         156. The Regents of the University of Michigan       US       61         137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       <	179.	TDK Corporation	JP	54
109. Tetra Laval Holdings & Finance S.A.         CH         80           101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of Michigan         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         GB         196           109. United States Postal Service         US         80           145. Warner-Lambert Company         US         63           96. Weatherford/Lamb, Inc.         US         62 <td>190.</td> <td>Teijin Limited</td> <td>JP</td> <td>51</td>	190.	Teijin Limited	JP	51
101. Thales         FR         85           156. The General Hospital Corporation         US         61           182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of California         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         GB         196           109. United States Postal Service         US         80           145. Warner-Lambert Company         US         63           96. Weatherford/Lamb, Inc.         US         87           152. Wisconsin Alumni Research Foundation         US         54<	4.	Telefonaktiebolaget L M Ericsson	SE	870
156. The General Hospital Corporation  182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services  76. The Johns Hopkins University  19. 103  11. The Procter & Gamble Company  19. The Regents of the University of California  19. The Regents of the University of Michigan  10. The Regents of the University of Michigan  10. The Trustees of Columbia University in the City of New York  25. Thomson Licensing S.A.  26. Trokyo Electron Limited  27. Tokyo Electron Limited  38. Toray Industries, Inc.  39. Toyota Jidosha Kabushiki Kaisha  19. Toyota Jidosha Kabushiki Kaisha  101. Unilever N.V.  309  108  109  109  100  100  101  101  1	109.	Tetra Laval Holdings & Finance S.A.	СН	80
182. The Government of the United States of America, represented by the Secretary, Department of Health and Human Services  76. The Johns Hopkins University  103 11. The Procter & Gamble Company  11. The Procter & Gamble Company  12. Sa6 19. The Regents of the University of California  12. US 1309 156. The Regents of the University of Michigan  137. The Trustees of Columbia University in the City of New York  138. Tokyo Electron Limited  139. Tokyo Electron Limited  140. Toray Industries, Inc.  141. Toyota Jidosha Kabushiki Kaisha  151. Unilever N.V.  152. Unilever plc  153. Warmer-Lambert Company  154. Warmer-Lambert Company  155. Weatherford/Lamb, Inc.  156. US 157. Wisconsin Alumni Research Foundation  158. US 159. Wyeth  159. US 160. US 161. US 161. US 162. Wyeth  169. US 160. US 160. US 161. US 161. US 162. US 163. US 163. US 164. US 165. US 165. US 166. US 167. US 168. US 167. US 168. US 167. US 168. US 168	101.	Thales	FR	85
Department of Health and Human Services         US         53           76. The Johns Hopkins University         US         103           11. The Procter & Gamble Company         US         536           19. The Regents of the University of California         US         309           156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         GB         196           109. United States Postal Service         US         80           145. Warner-Lambert Company         US         63           96. Weatherford/Lamb, Inc.         US         87           152. Wisconsin Alumni Research Foundation         US         62           179. Worldcom, Inc.         US         54           52. Wyeth         US         56	156.	The General Hospital Corporation	US	61
11. The Procter & Gamble Company       US       536         19. The Regents of the University of California       US       309         156. The Regents of the University of Michigan       US       61         137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	182.		US	53
19. The Regents of the University of California       US       309         156. The Regents of the University of Michigan       US       61         137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	76.	The Johns Hopkins University	US	103
156. The Regents of the University of Michigan         US         61           137. The Trustees of Columbia University in the City of New York         US         68           25. Thomson Licensing S.A.         FR         241           37. Tokyo Electron Limited         JP         179           169. Toray Industries, Inc.         JP         58           137. Toyota Jidosha Kabushiki Kaisha         JP         68           101. Unilever N.V.         NL         85           32. Unilever plc         GB         196           109. United States Postal Service         US         80           145. Warner-Lambert Company         US         63           96. Weatherford/Lamb, Inc.         US         87           152. Wisconsin Alumni Research Foundation         US         54           179. Worldcom, Inc.         US         54           52. Wyeth         US         137           175. ZF Friedrichshafen AG         DE         56	11.	The Procter & Gamble Company	US	536
137. The Trustees of Columbia University in the City of New York       US       68         25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	19.	The Regents of the University of California	US	309
25. Thomson Licensing S.A.       FR       241         37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	156.	The Regents of the University of Michigan	US	61
37. Tokyo Electron Limited       JP       179         169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	137.	The Trustees of Columbia University in the City of New York	US	68
169. Toray Industries, Inc.       JP       58         137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	25.	Thomson Licensing S.A.	FR	241
137. Toyota Jidosha Kabushiki Kaisha       JP       68         101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	37.	Tokyo Electron Limited	JP	179
101. Unilever N.V.       NL       85         32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	169.	Toray Industries, Inc.	JP	58
32. Unilever plc       GB       196         109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	137.	Toyota Jidosha Kabushiki Kaisha	JP	68
109. United States Postal Service       US       80         145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	101.	Unilever N.V.	NL	85
145. Warner-Lambert Company       US       63         96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	32.	Unilever plc	GB	196
96. Weatherford/Lamb, Inc.       US       87         152. Wisconsin Alumni Research Foundation       US       62         179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	109.	United States Postal Service	US	80
152. Wisconsin Alumni Research FoundationUS62179. Worldcom, Inc.US5452. WyethUS137175. ZF Friedrichshafen AGDE56	145.	Warner-Lambert Company	US	63
179. Worldcom, Inc.       US       54         52. Wyeth       US       137         175. ZF Friedrichshafen AG       DE       56	96.	Weatherford/Lamb, Inc.	US	87
52. Wyeth         US         137           175. ZF Friedrichshafen AG         DE         56	152.	Wisconsin Alumni Research Foundation	US	62
175. ZF Friedrichshafen AG DE 56	179.	Worldcom, Inc.	US	54
175. ZF Friedrichshafen AG DE 56	52.	Wyeth	US	137
166. Zymogenetics, Inc. US 59		•	DE	56
	166.	Zymogenetics, Inc.	US	59

#### **PCT Fee Tables**

The following Tables show the amounts and currencies 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 or where the international application is filed in electronic form, as prescribed; see footnotes 2 and 7 for details. A 75% reduction in the basic fee, the fee per sheet over 30, the designation fee and the handling fee, as well as an exemption from the transmittal fee payable to the International Bureau as receiving Office, is also available to applicants from certain States; see footnote 12 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.) The footnotes to the Fee Tables follow Table II.

#### Key to abbreviations used in fee tables:

eq	equivalent of -	BGL	Bulgarian lev	GBP	Pound sterling	LSM	Lesotho loti	SEK	Swedish krona
IPEA	International Preliminary	BRR	Brazilian real	GEL	Georgian lari	LTL	Lithuanian litas	SGD	Singapore dollar
	Examining Authority	BYR	Belarussian rouble	GHC	Ghanaian cedi	LVL	Latvian lat	SIT	Slovenian tolar
ISA	International Searching	BZD	Belize dollar	HRK	Croatian kuna	MAD	Moroccan dirham	SKK	Slovak koruna
	Authority	CAD	Canadian dollar	HUF	Hungarian forint	MDL	Moldovan leu	TJS	Tajik somoni
n a	not applicable	CHF	Swiss franc	IDR	Indonesian rupiah	MKD	Macedonian denar	TND	Tunisian dinar
RO	receiving Office	CNY	Yuan renminbi	ILS	New Israel shekel	MWK	Malawian kwacha	TTD	Trinidad and Tobago
		COP	Colombian peso	INR	Indian rupee	MXP	Mexican peso		dollar
Curre	encies:	CUP	Cuban convertible peso	ISK	Icelandic krona	NOK	Norwegian krone	UAH	Ukrainian hryvnia
AED	United Arab Emirates	CYP	Cyprus pound	JPY	Japanese yen	NZD	New Zealand dollar	USD	US dollar
	dirham	CZK	Czech koruna	KES	Kenyan shilling	PHP	Philippine peso	VND	Vietnamese dong
ALL	Albanian lek	DKK	Danish krone	KGS	Kyrgyz som	PLZ	Polish zloty	YUD	Yugoslavian dinar
AMD	Armenian dram	DZD	Algerian dinar	KPW	KP won	ROL	Romanian leu	ZAR	South African rand
AUD	Australian dollar	EEK	Estonian kroon	KRW	KR won	RUR	Russian rouble	ZWD	Zimbabwe dollar
AZM	Azerbaijani manat	EUR	Euro	KZT	Kazakh tenge	SDP	Sudanese pound		

#### Table I(a) — Transmittal, basic and designation fees

(as at 1 July 2003, unless otherwise indicated)

RO	Transmitta	Basic fee <sup>1,2,3</sup> (CHF 650)			Fee per sheet over 30 <sup>1,2,3,4</sup> (CHF 15)		PCT-EASY reduction <sup>2,7</sup> (CHF 200)	Competent ISA(s) <sup>8</sup>
AE	AED <sup>9</sup>	_	<b>AED</b> e	q <b>CHF</b> 650	15	140	n a	AT AU
AG	Information not	yet availat	ole					
AL	ALL	9,000	CHF	650	15	140	n a	EP
AM	AMD	32,000	USD	476	12	104	148	EP RU
AP	USD (or eq in local co	50 urrency)	USD	476	12	104	148	AT EP SE
AT	EUR	50	EUR	444	10	96	137	EP
AU	AUD	100	AUD	746	17	161	230	AU
AZ	AZM	55,000	USD	476	12	104	n a	EP RU
ВА	EUR	25.56	EUR	444	10	96	137	EP
BE	EUR	40	EUR	444	10	96	137	EP
BG	BGL	60	BGL	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP RU
BR	BRR	236	BRR	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	AT EP SE US
ву	BYR eq USD	70	USD	476	12	104	n a	EP RU
BZ	BZD	220	USD	476	12	104	148	EP
CA	CAD	200	CAD	730	17	157	224	EP

Table I(a) — Transmittal, basic and designation fees [continued]

(as at 1 July 2003, unless otherwise indicated) Basic fee<sup>1,2,3</sup> Transmittal fee<sup>1</sup> RO Fee per sheet Designation **PCT-EASY** Competent over 30<sup>1,2,3,4</sup> fee<sup>1,2,3,5,6</sup> (CHF 650) reduction<sup>2,7</sup> ISA(s)8 (CHF 15) (CHF 140) (CHF 200) CH CHF 100 CHF 650 15 140 200 ΕP CN CNY 500 CNY eq CHF 650 eq **CHF** 15 eq CHF 140 eq CHF 200 CN COP<sup>9</sup> CO COP eq **USD** 476 eq **USD** 12 eq **USD** 104 eq **USD** 148 AT, EP, ES, RU CR USD **EP ES** 175 USD 476 12 104 148 USD (or eq CUP)200 CU USD (or eq CUP)476 12 AT EP ES RU 104 148 CY CYP 75 CYP 258 6 56 ΕP n a ΕP CZK 1,500 **CZK** eq CHF 650 eq CHF 15 eq CHF 140 eq CHF 200 CZ DE **EUR** 90 **EUR** 444 10 96 ΕP 137 DK DKK 1,500 DKK 3,300 80 710 1,020 EP SE DM Information not yet available DΖ DZD None CHF 650 15 140 200 AT EP RUR eq USD EΑ 50 USD 476 12 104 148 EP RU USD<sup>9</sup> EC **EP ES** USD 476 148 12 104 EE **EEK** 1,800 **EEK** eq CHF 650 eq **CHF** 15 eq CHF 140 ΕP eq CHF 200 EP<sup>7</sup> 137<sup>7</sup> **EUR** 100 **EUR** 444 10 96 ΕP ES **EUR** 62.74 **EUR** 444 10 96 137 **EP ES EUR EUR** 137 EP SE FI 135 444 10 96 FR **EUR EUR** ΕP 60 444 10 96 137 GB **GBP** 55 **GBP** 278 6 60 86 ΕP GD Information not yet available GEL<sup>10</sup> GE **EP RU** USD 476 12 104 148 GHC<sup>11</sup> GH 2,500 USD 476 12 104 n a AT AU CN EP SE or 5,000 **EUR** GR 115 **EUR** 444 10 96 137 ΕP HRK FΡ HR 200 HRK eq CHF 15 eq CHF 140 eq CHF 200 eq CHF 650 ΗU HUF 10,000 HUF eq CHF 650 eq CHF 15 eq CHF 140 eq CHF 200 EP RU CHF<sup>12</sup> CHF 100 650 15 140 200 See footnote 13 or USD 12 or USD 476 12 104 148 60 or EUR<sup>12</sup> or **EUR** 68 444 10 96 137 ID **IDR** 500,000 **IDR** eq CHF 650 eq CHF 15 eq CHF 140 eq CHF 200 AU EP RU ΙE **EUR** 76.00 **EUR** 444 ΕP 10 96 137 ILS 476 EP US IL USD 476 12 104 148 AT AU CN EP SE

[continued on next page]

US

148

12

104

IN

INR

(filing by indiv: 1,500)

5,000

USD

476

Table I(a) — Transmittal, basic and designation fees [continued] (as at 1 July 2003, unless otherwise indicated)

RO	Transmittal fee <sup>1</sup>		Basic fee <sup>1,2,3</sup> (CHF 650)		Fee per sheet over 30 <sup>1,2,3,4</sup> (CHF 15)	Designation fee <sup>1,2,3,5,6</sup> (CHF 140)	PCT-EASY reduction <sup>2,7</sup> (CHF 200)	Competent ISA(s) <sup>8</sup>
IS	ISK	5,500	ISK	37,400	860	8,000	11,500	EP SE
IT	EUR	30.99	EUR	444	10	96	n a	EP
JP	JPY	18,000	JPY	54,000	1,200	11,600	16,600	EP JP
KE	USD (or K	<b>ES</b> equiv)250 of mailing	USD	476	12	104	148	AT AU CN EP SE
KG	KGS eq	<b>USD</b> 100	USD	476	12	104	148	EP RU
KP	<b>KPW</b> eq	<b>CHF</b> 50	KPW	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	AT RU
KR	KRW	45,000	KRW	530,000	12,000	114,000	163,000	AT AU JP <sup>14</sup> KR
KZ	KZT <sup>9</sup>	_	USD	476	12	104	148	EP RU
LR	USD	45	USD	476	12	104	n a	AT AU CN EP SE
LS	LSM <sup>9</sup>	_	LSM	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	n a	AT EP
LT	LTL	320	EUR	444	10	96	137	EP RU
LU	EUR	19	EUR	444	10	96	n a	EP
LV	LVL	47.20	USD	476	12	104	148	EP RU
MA		None	CHF	650	15	140	n a	AT EP RU SE
мс	EUR	49 <sup>15</sup>	EUR	444	10	96	n a	EP
MD	MDL	180	USD	476	12	104	148	EP RU
MK	MKD	2,750	MKD	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP
MN		None	CHF	650	15	140	200	EP RU
MW	MWK	6,000	MWK	25,000	600	5,400	7,700	EP
MX	MXP <sup>3</sup> eq	USD 200	MXP	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP ES SE US
NI	Informatio	n not yet availal	ble					
NL	EUR	50	EUR	444	10	96	137	EP
NO	NOK	500	NOK	3,560	80	770	1,090	EP SE
NZ	NZD	180 <sup>16</sup>	NZD	890	20	192	274	AU EP US
OA	Informatio	n not yet availal	ble					
OM	Informatio	n not yet availal	ble					
PG	Informatio	n not yet availal	ble		T		П	T
PH	PHP	3,500	USD	476	12	104	148	AU EP JP KR US
PL	PLZ	300	PLZ	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	n a	EP
PT	EUR	23.19	EUR	444	10	96	137	EP
RO	ROL	300,000	CHF	650	15	140	200	AT EP RU
RU	RUR	294	USD	476	12	104	148	EP RU
sc	Informatio	n not yet availal	ble					
SD	SDP	50	SDP	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	n a	EP
SE	SEK	1,200	SEK* *(from 1	4,390 .8.03: 3,940)	100 <i>(90)</i>	950 (850)	1,350 <i>(1,210)</i>	EP SE
SG	SGD	150	SGD	828	19	178	255	AT AU EP
SI	SIT	22,000	SIT	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP
sĸ	SKK	1,600	SKK	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP
SY	Informatio	n not yet availal	ble					

Table I(a) — Transmittal, basic and designation fees [continued] (as at 1 July 2003, unless otherwise indicated)

RO	Transmittal fee <sup>1</sup>			sic fee <sup>1,2,3</sup> CHF 650)	Fee per sheet over 30 <sup>1,2,3,4</sup> (CHF 15)	Designation fee <sup>1,2,3,5,6</sup> (CHF 140)	PCT-EASY reduction <sup>2,7</sup> (CHF 200)	Competent ISA(s) <sup>8</sup>
TJ	TJS <sup>9</sup>	_	USD	476	12	104	n a	EP RU
тм	USD <sup>9</sup>	_	USD	476	12	104	148	EP RU
TN	TND <sup>9</sup>	_	CHF	650	15	140	n a	EP
TR	CHF	100	CHF	650	15	140	200	EP
TT	TTD	750	USD	476	12	104	148	AT EP SE US
UA	UAH	255	USD (c	or eq <b>UAH</b> ) 476	12	104	n a	EP RU
US	USD	240	USD	476	12	104	148	EP US
UZ	USD <sup>9</sup>	_	USD	476	12	104	148	EP RU
vc	Information not	t yet availa	ble					
VN	VND eq USD	150	VND	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	na	AT AU EP KR RU SE
YU	YUD	3,000	YUD	eq <b>CHF</b> 650	eq <b>CHF</b> 15	eq <b>CHF</b> 140	eq <b>CHF</b> 200	EP
ZA	ZAR	500	ZAR	3,580	80	780	1,100	AT AU EP US
ZM	Information not	t yet availa	ble	·			·	
ZW	ZWD	6,000	ZWD	eq <b>USD</b> 476	eq <b>USD</b> 12	eq <b>USD</b> 104	eq <b>USD</b> 148	AT AU CN EP RU

#### Table I(b) — Search fees

(as at 1 July 2003, unless otherwise indicated)

ISA						Search	n fee¹					
AT	EUR * (fro	159 om 1.9.03:	CHF KRW	230 222,000	KRW* USD	191,000 <i>183)</i>	SGD	259	USD*	150	ZAR	1,280
AU	AUD USD	1,000 592	CHF ZAR	871 4,700	EUR	560	KRW	710,000	NZD	1,073	SGD	1,030
CN	CNY	1,500	CHF	250	EUR*	185	USD	180	*(from	15.7.03:	EUR	156)
EP <sup>17</sup>	** (fro	945 83,000 1,780 om 15.7.03: om 15.9.03:	CAD JPY** USD** ISK JPY SGD	1,552 117,900 1,020 78,000) 129,500 1,930	CHF MWK ZAR*** USD ZAR	1,383 53,000 7,860 1,119) 8,760)	CYP NOK	550 7,070	DKK NZD	7,030 1,889	GBP SEK	640 8,720
<b>ES</b> <sup>17</sup>	EUR	945	CHF	1,383	USD*	1,020	*(from	1.9.03:	USD	1,119)		
JP	JPY	72,000	CHF	870	EUR	535	KRW	798,000	USD	611		
KR	KRW	150,000	CHF*	180	EUR	130	USD	120	(from 1	1.9.03:	CHF	163)
RU <sup>18</sup>	USD	300	CHF	410	EUR*	306	*(from	15.7.03:	EUR	258)		
SE	,	8,720 1,020 om 15.7.03: om 1.9.03:	CHF ISK USD	1,383 78,000) 1,119)	DKK	7,030	EUR	945	ISK*	83,000	NOK	7,070
US	USD ZAR	700 6,000	450 <sup>19</sup> 4,000		947 15.7.03:	609 <sup>19</sup>	EUR* EUR	714 615	459 <sup>19</sup> 395 <sup>19</sup> )	NZD	1,270	810 <sup>19</sup>

#### Table II — Preliminary examination fees

(as at 1 July 2003, unless otherwise indicated)

IPEA		Prelimir	nary examination fee <sup>20</sup>		Handling fe	e <sup>3,20</sup> (CHF 233)	
AT	EUR	159		EUR	159		
AU	AUD	550	1,000 <sup>21</sup>	AUD	267		
CN	CNY	1,500		CNY eq CH	IF 233		
EP <sup>17</sup>	EUR	1,530		EUR	159		
ES	EUR	493.11		EUR	159		
JP	JPY	28,000		JPY	19,200		
KR	KRW	150,000		KRW	190,000		
RU <sup>18</sup>	USD	200 <sup>22</sup>	300 <sup>23</sup>	USD	172		
SE	SEK	5,000		SEK*	1,570	*(from 1.8.03:	1,410)
US	USD	490	750 <sup>24</sup>	USD	172		

#### Footnotes to fee tables:

- 1 Payable to the receiving Office in the currency or one of the currencies prescribed by it.
- 2 The total amount of the basic fee and designation fee is reduced by 200 Swiss francs 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 PCT application is filed with a receiving Office which is prepared to accept the filing of PCT applications containing requests in PCT-EASY format together with PCT-EASY diskettes.
- 3 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, Algeria, Armenia, Azerbaijan, Belarus, Belize, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Côte d'Ivoire, Croatia, Cuba, Czech Republic, Democratic People's Republic of Korea, Dominica, Ecuador, Egypt (from 6 September 2003), Equatorial Guinea, 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, Mozambique, Nicaragua, Niger, Papua New Guinea, Philippines, Poland, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Saint Vincent and the Grenadines, Senegal, Serbia and Montenegro, Sierra Leone, Slovakia, South Africa, Sri Lanka, Sudan, Swaziland, Syrian Arab Republic, Tajikistan, The former Yugoslav Republic of Macedonia, Togo, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Republic of Tanzania, Uzbekistan, Viet Nam, Zambia or Zimbabwe. For further details, see *PCT Newsletter* No. 10/1995, cover page, No. 11/1995, page 6, and No. 05/1996, cover page.
- 4 Where the PCT application as filed contains a sequence listing part in computer readable form only, or both in that form and on paper, under Section 801 of the PCT Administrative Instructions, and where that application is filed with a receiving Office which is prepared to accept such filings, a fixed component of 400 times the fee per sheet over 30 is payable for the sequence listing part, irrespective of the actual length of that part (see Section 803(ii) of the Administrative Instructions).
- 5 The maximum number of designation fees payable is five.
- 6 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).
- 7 The same amount of reduction of the basic and designation fee as indicated in footnote 2 applies where the international application is filed in electronic form in accordance with and to the extent provided for in Part 7 and Annex F of the Administrative Instructions and where the international application is filed with a receiving Office which has notified the International Bureau under Section 710 of the Administrative Instructions that it is prepared to receive international applications in electronic form—only the European Patent Office and the National Institute of Industrial Property (INPI) (France) have sent such a notification so far.
- 8 For the search fee payable to the receiving Office, consult the entry in Table I(b) for the competent International Searching Authority.
- 9 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.
- $10\,$  This fee is reduced by 80% where the applicant is a natural person.
- 11 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.
- 12 This fee is not payable in respect of international applications filed by applicants fulfilling the conditions indicated in footnote 3.
- 13 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).
- 14 The Japan Patent Office is competent only for international applications in Japanese.
- 15 Plus EUR 1 for the preparation of additional copies, for each page and each copy.
- 16 Plus 12.5% GST (Goods and Services Tax) for New Zealand residents.
- 17 The search fee payable to the EPO and the Spanish Patent and Trademark Office, as well as the preliminary examination fee payable to the EPO, are 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 a State not party to the European Patent Convention, which fulfils the requirements for the corresponding reduction of certain PCT fees as specified in the Schedule of Fees annexed to the PCT Regulations, and in accordance with the decision of the EPO's Administrative Council of 11 October 2000, the text of which was included in PCT Newsletter No. 11/2000. The States concerned are those indicated in footnote 3, with the exception of Bulgaria, the Czech Republic, Estonia, Hungary, Romania, Slovakia and Turkey.
- 18 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.
- 19 Payable when a corresponding prior US national application has been filed under 35 USC 111(a) and the basic filing fee for that US application has been paid.
- 20 Payable to the International Preliminary Examining Authority in the currency or one of the currencies prescribed by it.
- 21 Payable when the international search report was not issued by the Australian Patent Office.
- 22 Payable when the international search report was established by the Russian Patent Office.
- 23 In all cases where footnote 22 does not apply.
- 24 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 (US)).

#### PCT Contracting States and Two-letter Codes (121 on 1 July 2003)



ΑE	United Arab		Costa Rica	ID	Indonesia	MK	The former		Sierra Leone (AP)
40	Emirates	CU	Cuba (EB) <sup>2</sup>	ΙE	Ireland (EP) <sup>2</sup>		Yugoslav Republic		Senegal (OA) <sup>2</sup>
AG	Antigua and		<i>,</i> , ,	IL	Israel		of Macedonia <sup>1</sup>	SY	Syrian Arab
۸.	Barbuda		' '	IN	India	ML	Mali (OA) <sup>2</sup>	0.7	Republic
AL			Germany (EP)	IS	Iceland		Mongolia		Swaziland (AP) <sup>2</sup>
	Armenia (EA)		Denmark (EP)	ΙT	Italy (EP) <sup>2</sup>		Mauritania (OA) <sup>2</sup>	TD	Chad (OA) <sup>2</sup>
AT	Austria (EP)		Dominica	JΡ	Japan		Malawi (AP)	TG	Togo (OA) <sup>2</sup>
ΑU	Australia		Algeria	ΚE	Kenya (AP)		Mexico	TJ	Tajikistan (EA)
ΑZ	Azerbaijan (EA)		Ecuador	KG	Kyrgyzstan (EA)		Mozambique (AP)		Turkmenistan (EA)
BA		EG	Egypt (from	ΚP	Democratic	NE	Niger (OA) <sup>2</sup>		Tunisia
DD	Herzegovina		6 September 2003)		People's Republic	NI	Nicaragua		Turkey (EP)
BB	Barbados		Estonia (EP)		of Korea	NL	Netherlands (EP) <sup>2</sup>	TT TZ	Trinidad and Tobago
BE BF	Belgium (EP) <sup>2</sup>	ES FI	Spain (EP) Finland (EP)	KR	Republic of Korea		Norway	12	United Republic of
BG	Burkina Faso (OA) <sup>2</sup> Bulgaria (EP)	FR	France (EP) <sup>2</sup>	ΚZ	Kazakhstan (EA)	—		111	Tanzania (AP) Ukraine
BJ	Benin (OA) <sup>2</sup>	GA	Gabon (OA) <sup>2</sup>	LC	Saint Lucia	OM	Oman	_	Uganda (AP)
BR		GB	United Kingdom (EP)	LI	Liechtenstein (EP)		Papua New Guinea		United States of
BY	Belarus (EA)	GD	Grenada	LK	Sri Lanka	PH PL	Philippines	00	America
BZ		_	Georgia	LR	Liberia		Poland	UZ	Uzbekistan
CA		_	Ghana (AP)	LS	Lesotho (AP)		Portugal (EP)		Saint Vincent and
CF	Central African		Gambia (AP)	LT	Lithuania 1		Romania (EP) Russian	VO	the Grenadines
Oi	Republic (OA) <sup>2</sup>		Guinea (OA) <sup>2</sup>	LU	Luxembourg (EP)	NO	Federation (EA)	٧N	Viet Nam
CG	Congo (OA) <sup>2</sup>		Equatorial	LV	Latvia <sup>1</sup>	SC	Seychelles	Ϋ́Ū	Serbia and
	Switzerland (EP)	Ou	Guinea (OA) <sup>2</sup>		Morocco	SD	Sudan (AP)		Montenegro
CI	Côte d'Ivoire (OA) <sup>2</sup>	GR	Greece (EP) <sup>2</sup>	MC	Monaco (EP) <sup>2</sup>	SE	Sweden (EP)	7A	South Africa
_	Cameroon (OA) <sup>2</sup>		Guinea-Bissau (OA) <sup>2</sup>		Republic of		Singapore		Zambia (AP)
	China		Croatia		Moldova (EA)	SI	Slovenia (EP) <sup>2</sup>		Zimbabwe (AP)
CO			Hungary (EP)	MG	Madagascar		Slovakia (EP)		( - /
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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 State indicated in **bold italics** has adhered to the PCT but was not yet bound by the PCT on the date of issue of the latest version of the request form. Where any 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, for the purposes of a national patent, any State which is bound by the PCT on the date on which the international application is filed but which is not listed in the request form, he must add it 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 2003. The forms are reproduced in Annexes X and Y, respectively, in Vol. I/B of the *PCT Applicant's Guide* (July 2003 update), and can be printed from the WIPO Internet site, in editable PDF format, at: http://www.wipo.int/pct/en/forms/index.htm, or obtained from receiving Offices or the International Bureau, or, in the case of the demand form, also from International Preliminary Examining Authorities.

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

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## **PCT Contracting States**\*

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Name of State Date on which State followed by the became bound	Name of State Date on which State followed by the became bound
two-letter code by the PCT*	two-letter code by the PCT*
Albania AL 4 October 1995	Guinea GN
Algeria DZ <sup>1</sup> 8 March 2000	Guinea-Bissau GW
Antigua and Barbuda AG 17 March 2000	Hungary HU <sup>1</sup>
Armenia AM <sup>1</sup>	Iceland IS
Australia AU	India IN <sup>1</sup> 7 December 1998
Austria AT	Indonesia ID <sup>1</sup> 5 September 1997
Azerbaijan AZ	Ireland IE 1 August 1992
Barbados BB	Israel IL 1 June 1996
Belarus BY <sup>1</sup>	Italy IT
Belgium BE 14 December 1981	Japan JP 1 October 1978
Belize BZ 17 June 2000	Kazakhstan KZ <sup>1</sup> 25 December 1991
Benin BJ. 26 February 1987	Kenya KE 8 June 1994
Bosnia and Herzegovina BA 7 September 1996	Kyrgyzstan KG <sup>1</sup> 25 December 1991
Brazil BR	Latvia LV 7 September 1993
Bulgaria BG 21 May 1984	Lesotho LS 21 October 1995
Burkina Faso BF 21 March 1989	Liberia LR 27 August 1994
Cameroon CM 24 January 1978	Liechtenstein LI 19 March 1980
Canada CA	Lithuania LT 5 July 1994
Central African Republic CF. 24 January 1978	Luxembourg LU
Chad TD	Madagascar MG
China CN 1 January 1994	Malawi MW
Colombia CO	Mali ML 19 October 1984
Congo CG 24 January 1978	Mauritania MR 13 April 1983
Costa Rica CR 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
Cuba CU <sup>1</sup>	Morocco MA 8 October 1999
Cyprus CY 1 April 1998	Mozambique MZ <sup>1</sup> 18 May 2000
Czech Republic CZ. 1 January 1993	Mozambique MZ <sup>1</sup> 18 May 2000           Netherlands NL <sup>4</sup> 10 July 1979
Democratic People's	New Zealand NZ. 1 December 1992
Republic of Korea KP 8 July 1980	Nicaragua NI 6 March 2003
Denmark DK 1 December 1978	Niger NE. 21 March 1993
Dominica DM	Norway NO <sup>2</sup> 1 January 1980
Ecuador EC 7 May 2001	Oman OM <sup>1</sup> 26 October 2001
Egypt EG (will become bound on	Papua New Guinea PG 14 June 2003
6 September 2003)	Philippines PH 17 August 2001
Equatorial Guinea GQ 17 July 2001	Poland PL <sup>2</sup> 25 December 1990
Estonia EE 24 August 1994	Portugal PT 24 November 1992
Finland FI <sup>2</sup> 1 October 1980	Republic of Korea KR 10 August 1984
France FR <sup>1, 3</sup> . 25 February 1978	Republic of Moldova MD <sup>1</sup> 25 December 1991
Gabon GA 24 January 1978	Romania RO 1
Gambia GM 9 December 1997	Russian Federation RU <sup>1</sup> 29 March 1978
Georgia GE <sup>1</sup> 25 December 1991	Saint Lucia LC <sup>1</sup> 30 August 1996
Germany DE. 24 January 1978	Saint Vincent and
Ghana GH 26 February 1997	the Grenadines VC <sup>1</sup> 6 August 2002
Greece GR 9 October 1990	Senegal SN 24 January 1978
Grenada GD 22 September 1998	Serbia and Montenegro YU 1 February 1997
22 September 1776	Soloid and Montonogio 10 11 coludity 1997

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## **PCT Contracting States**\*

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[Continued]

Name of State I followed by the two-letter code	Date on which State became bound by the PCT*	Name of State Date on which State followed by the became bound two-letter code by the PCT*
Seychelles SC Sierra Leone SL Singapore SG Slovakia SK Slovenia SI South Africa ZA <sup>1</sup> Spain ES Sri Lanka LK Sudan SD Swaziland SZ Sweden SE <sup>2</sup> Switzerland CH Syrian Arab Republic SY Tajikistan TJ <sup>1</sup> The former Yugoslav Republic of Macedonia MK	17 June 1997 23 February 1995 1 January 1993 1 March 1994 16 March 1999 6 November 1989 26 February 1982 16 April 1984 0 September 1994 17 May 1978 24 January 1978 26 June 2003 25 December 1991	Togo TG 24 January 1978 Trinidad and Tobago TT 10 March 1994 Tunisia TN 1 10 December 2001 Turkey TR 1 January 1996 Turkmenistan TM 1 25 December 1991 Uganda UG 9 February 1995 Ukraine UA 1 25 December 1991 United Arab Emirates AE 10 March 1999 United Kingdom GB 5 24 January 1978 United Republic of Tanzania TZ 14 September 1999 United States of America US 6,7 24 January 1978 Uzbekistan UZ 1 25 December 1991 Viet Nam VN 10 March 1993 Zambia ZM 15 November 2001 Zimbabwe ZW 11 June 1997

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<sup>\*</sup> All PCT Contracting States are bound by Chapter II of the PCT relating to the international preliminary examination.

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

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

Including all Overseas Departments and Territories.

<sup>&</sup>lt;sup>4</sup> Ratification for the Kingdom in Europe, the Netherlands Antilles and Aruba.

<sup>5</sup> Extends to the Isle of Man.

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

<sup>&</sup>lt;sup>7</sup> Extends to all areas for which the United States of America has international responsibility.