



THOMSON REUTERS

PATENTS CITATION INDEX™

Dialog® Online User Guide

File 342

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Edition 1

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1 Introduction

For over fifty years, the Scientific business unit of Thomson Reuters, the world's leading patent information publisher, has been foremost in providing scientific and technical intelligence to business, industry, government and research institutes throughout the world.

The Patent Citation Index (PCI) database provides examiner and some inventor citations for both patents and literature from 1973 onwards (see Chapter 3 for full details).

This User Guide describes the content, coverage and search capabilities of Patents Citation Index as it is implemented on Dialog. Introductory chapters are followed by sections detailing the search and display fields available within PCI.

For further information concerning Patents Citation Index and other information services offered by the Scientific business unit of Thomson Reuters, please contact your local office or visit the website at <http://scientific.thomsonreuters.com>.

2 Customer Service Information

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E-mail: ts.info.asia@thomson.com

3 Content and Coverage of PCI

Patents Citation Index (PCI) provides patent citation information from 17 sources including the European Patent Office and the World Intellectual Property Organisation. Coverage has changed over time as detailed below:

	Examiner Citations	Inventor Citations
Belgium (BE)	May 1994 - May 1997; March 2007 to date*	May 1994 - May 1997
Germany (DE)	May 1994 to date	May 1994 - May 1997
European (EP)	1978 to date	May 1994 - May 1997
France (FR)	May 1994 - May 1997; March 2007 to date*	May 1994 - May 1997
Japan (JP)	May 1994 to date	May 1994 - May 1997
Netherlands (NL)	May 1994 - May 1997; March 2007 to date*	May 1994 - May 1997
PCT (WO)	1978 to date	May 1994 - May 1997
Spain (ES)	March 2007 to date*	-
United Kingdom (GB)	May 1994 to date	May 1994 - May 1997
United States (US)	1973 to date	May 1994 - May 1997

*Data is sourced from DocDB – the first issue processed was published on 17 March 2007

The following countries are covered for inventor and examiner citations from May 1994 - May 1997 only:

Austria (AT)	New Zealand (NZ)	Switzerland (CH)
Australia (AU)	South Africa (ZA)	
Canada (CA)	Sweden (SE)	

Each record in PCI contains the following:

- Titles and patent family information from *Derwent World Patents Index* (DWPI)
- Cited patent and journal references
- Citing patent references

4 Sample Record

0006430447

WPI ACC NO: 2003-279152/200327

Treatment machine for drinking vessels has carousel rotating on vertical axle, peripheral treatment units in enclosed compartment with feeder and discharge conveyors and two concentric seals

Patent Assignee: ALFILL ENG GMBH & CO KG (ALFI-N); FRIEDE P (FRIE-I); KHS AG (KHSK-N); KHS MASCH & ANLAGENBAU AG (KHSA-N)

Inventor: FRIEDE P

Patent Family (8 patents, 80 countries)

Patent		Application					Update
Number	Kind	Date	Number	Kind	Date		
WO 2003024860	A1	20030327	WO 2002EP10293	A	20020913	200327 B	
DE 10145803	A1	20030410	DE 10145803	A	20010917	200332 E	
DE 10145803	C2	20031002	DE 10145803	A	20010917	200366 E	
EP 1427666	A1	20040616	EP 2002798719	A	20020913	200439 E	
			WO 2002EP10293	A	20020913		
AU 2002362363	A1	20030401	AU 2002362363	A	20020913	200452 E	
US 20040231748	A1	20041125	WO 2002EP10293	A	20020913	200478 E	
			US 2004489754	A	20040316		
US 6830084	B1	20041214	WO 2002EP10293	A	20020913	200501 E	
			US 2004489754	A	20040316		
EP 1427666	B1	20060510	EP 2002798719	A	20020913	200634 E	
			WO 2002EP10293	A	20020913		

Priority Applications (no., kind, date): DE 10145803 A 20010917

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 2003024860	A1	DE	9	4		

National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Regional Designated States,Original: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

EP 1427666 A1 DE Application WO 2002EP10293
Based on OPI patent WO 2003024860

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002362363 A1 EN Based on OPI patent WO 2003024860

US 20040231748 A1 EN Application WO 2002EP10293

US 6830084 B1 EN Application WO 2002EP10293

Based on OPI patent WO 2003024860

EP 1427666 B1 DE Application WO 2002EP10293

Based on OPI patent WO 2003024860

Regional Designated States,Original: FR GB IT NL

CITED PATENTS BY EXAMINER

Family Member	Kind	Cited Patent	Kind Cat	Derwent Accession	Assignee; Inventor
DE 10145803	A1	IPC Field of Search: B08B-9/42, B67C-3/24, B67C-7/00 DE 29713155	U1	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		EP 758624	A1	1997-134738	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C, BONETTI L
DE 10145803	C2	IPC Field of Search: B67C-3/24, B67C-7/00 DE 696569	C		
		DE 29713155	U1	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		EP 405402	A	1991-008784	TOYO SEIKAN KAISHA LTD (TOXO); Inventor: YAMAGUCHI K, NOZAWA E, TAKAMORI S, IIOKA T, KAGA Y, WATANABE M
		EP 758624	A1	1997-134738	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C, BONETTI L
EP 1427666	B1	Field of Search: Not Available EP 72354	A	1983-17962K	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C
		EP 405402	A	1991-008784	TOYO SEIKAN KAISHA LTD (TOXO); Inventor: YAMAGUCHI K, NOZAWA E, TAKAMORI S, IIOKA T, KAGA Y, WATANABE M
		EP 893396	A1	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		US 3670786	A		
US 6830084	B1	US Field of Search: 134-169R, 141-144-152, 141-85-93 DE 29713155	U1	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		EP 405402	A	1991-008784	TOYO SEIKAN KAISHA LTD (TOXO); Inventor: YAMAGUCHI K, NOZAWA E, TAKAMORI S, IIOKA T, KAGA Y, WATANABE M
		EP 758624	A1	1997-134738	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C, BONETTI L
		US 3670786	A		
		US 4489769	A	1983-17962K	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C
		US 6026867	A	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		US 6481468	B1	2000-571826	STEUBEN FOODS INC STEU-N); Inventor: TAGGART T D
		US 6755224	B2	2004-037089	SHIKOKU KAKOKI CO LTD (SHIK-N) Inventor: TAWA S, MIFUME T, MIKI T, UEDA M
WO 2003024860	A	Field of Search: Not Available EP 72354	A X	1983-17962K	ROSSI & CATELLI SPA (ROSS-N); Inventor: CATELLI C
		EP 405402	A A	1991-008784	TOYO SEIKAN KAISHA LTD (TOXO); Inventor: YAMAGUCHI K, NOZAWA E, TAKAMORI S, IIOKA T, KAGA Y, WATANABE M
		EP 893396	A A	1998-482376	KRONES KRONSEDER MASCHFAB AG H (KROE)
		US 3670786	A A		

CITED PATENTS BY INVENTOR

Family Member	Kind	Cited Patent	Kind Cat	Derwent Accession	Assignee; Inventor
WO 2003024860	A	Field of Search: Not Available DE 19911517	A	2000-603130	METTE M (METT-I); Inventor: METTE M
		DE 696569	C		
		DE 19835369	C	1999-563020	METTE M (METT-I); Inventor: METTE M

CITED LITERATURE REFERENCES BY EXAMINER

Family Member Kind Cat Cited Reference

DE 10145803 C2 IPC Field of Search: B67C-3/24, B67C-7/00
 Rammert, Markus: Keimarme Kaltfuellung stiller Getraenke. In:
 Getraenkeindustrie 8/96, S. 500-505

EP 1427666 A1 Field of Search: Not Available
 See references of WO 03024860A1

CITED LITERATURE REFERENCES BY INVENTOR

Family Member Kind Cat Cited Reference

WO 2003024860 A Field of Search: Not Available
 Rammert, Markus: 'Keimarme Kaltfuellung stiller Getraenke'
 GETRONKEINDUSTRIE Nr. 8, 1996, Seiten 500 - 505

CITING PATENTS BY EXAMINER

Family Member	Kind	Citing Patent	Kind Cat	Derwent Accession	PCI Week
US 6830084	B1	US 7165582	B2	2005-015085	200710
				Assignee: KHS MASCH & ANLAGENBAU AG (KHS-A-N); Inventor: TILL V	
WO 2003024860	A1	US 7121062	B2	2005-235162	200673
				Assignee: KHS MASCH & ANLAGENBAU AG (KHS-A-N); Inventor: TILL V	

CITING PATENTS BY INVENTOR

Family Member	Kind	Citing Patent	Kind Cat	Derwent Accession	PCI Week
DE 10145803	A1	EP 1514835	A1	2005-235162	200538
				Assignee: KHS MASCH & ANLAGENBAU AG (KHS-A-N); Inventor: TILL V	

5 Basic Index

Search	None, /TI
Display	TI

Content

The Basic Index in PCI comprises the *Derwent World Patents Index® (DWPI)* value-add titles which are written to highlight the content and novelty of the invention disclosed. They are not an exact translation or based on the original title. All words are searchable in the title search field using the suffix /TI and in the basic index.

Searching

Combine single words with Boolean and/or proximity operators.

The title contains single words without punctuation. Prior to 1999, British spelling is generally used. From 1999, American spelling (with British terminology) was adopted. As a precaution, both spellings should be covered to ensure complete retrieval. Compound words containing hyphens, commas, etc., are broken into single words at all non-alphanumeric characters and punctuation is removed.

6 Accession Numbers

Search	AA=	(Main <i>DWPI</i> Accession Number)
	RX=	(Cited/Citing Patent <i>DWPI</i> Accession Numbers)
	AX=	(All <i>DWPI</i> Accession Numbers)
Display	AA, CT, AX	

Content

All records in PCI are assigned unique *Derwent World Patents Index® (DWPI)* accession numbers corresponding to the record in *DWPI*. This is the Main *DWPI* Accession number (AA=).

DWPI accession numbers for citing and cited patents that also appear in *DWPI* are indexed in the RX= field. Further search limitations can be applied to these accession numbers (see below under searching).

AX= searches for any accession number in the record

Each Accession Number comprises a four-digit year element, a hyphen and a six-digit identifier. The exact format of the accession numbers has changed over time as described below.

Prior to 1970, accession numbers ended in a letter indicating the printed service where the record appeared. These letters have been assigned artificial year numbers that have been added as prefixes to the accession numbers as follows:

Letter	Service	Year
F	FARMDOC (DWPI Section B)	1966
G or H	AGDOC (DWPI Section C)	1967
P or Q	PLASDOC (DWPI Section A)	1968
Z	"Pre-CPI" Data	1969

From 1970 to update 198327 chemical Basics were assigned accession numbers that indicate the year of entry by a letter at the end of the number rather than the two-digit year prefix, e.g. 45982C. To standardize the format of these accession numbers online, the year and a hyphen have been inserted before the old format number, e.g. 1980-45982C.

For electrical and general and mechanical Basics in this period a letter was also added to the beginning of the number to distinguish them from chemical records, e.g. 1975-C7954W.

The following letters were used to indicate the year:

Letter	Year	Letter	Year	Letter	Year
R	1970	W	1975	C	1980
S	1971	X	1976	D	1981
T	1972	Y	1977	E	1982 (198201 - 198246)
U	1973	A	1978	J	1982 (198247 - 198252)
V	1974	B	1979	K	1983 (198301 - 198326)

From 2008, all accession numbers contain a letter at the beginning of the six-digit identifier, e.g. 2008-A02753. This was introduced to allow more than 999,999 patent families to be created in one calendar year due to the ever-increasing volumes of patents being published.

Searching

? S	AA=2007-000614
S1	1 AA=2007-000614
? S	AX=2007-123472
S2	5 AX=2007-000614
? S	RX=2007-123472
S3	4 RX=2007-000614

Cited/Citing Patent Accession Numbers (RX=)

When searching for cited/citing patent accession numbers, suffixes may be used to help specify your area of search:

Accession number of cited patent	/CT	S RX=1996-507620/CT
Accession number of citing patent	/CG	S RX=2007-893985/CG
Cited by Inventor (Author)	/AU	S RX=1997-246246/AU
Cited by examiner	/EX	S RX=2007-012797/EX

7 Companies and Inventors

7.1 Patent Assignee

	Patent Family	Patent Family + Citations
Search	PA=	CO=
Display	PA	-

Content

The PA= field relates to the patent family of the PCI record and comprises the full name of the assignee, up to 40 characters along with the patent assignee code.

The CO= field covers all patent assignees from the patent family and from the cited and citing patents and comprises the full name of the assignee, up to 40 characters, without the patent assignee code

Prior to update 199216 there was a limit of 24 characters in the assignee name. Both of these limits apply to the overall name, even if the name comprises several words.

Please note that the assignee name may be shortened or individual words abbreviated as necessary to fit the field length restrictions, e.g. "INT" for International. To find variations on assignee names use the Expand (E) command.

Until update 199216, up to four assignees from the Basic in the family were recorded (PA=). Since this time, this limit has been removed and any number of assignees may be input. From the end of 1976 (update 197648) additional assignee codes and names appearing on equivalents have also been added.

Approximately 21,000 companies which regularly file a large number of patent applications are regarded as "standard" companies and are assigned a unique four-letter code. For comprehensive retrieval of patents assigned to these standard companies, it is best to search the Patent Assignee Code field (section 7.2).

Searching

Each patent assignee entry is indexed as a word and phrase and the (W) proximity is available to link terms together. In addition, truncation can be used to pick up variations in assignee names:

```
? S PA=(CONTINENTAL (W) ELECTRONIC?)
      6685 PA=CONTINENTAL
      126457 PA=ELECTRONIC?
S10      9 PA=(CONTINENTAL (W) ELECTRONIC?)
```

Use of the expand function displays all indexed assignee names for complete retrieval.

Use of CO= searches the company code in both the family (invention) and in the cited and citing patents:

```
? S CO=(CONTINENTAL (W) ELECTRONIC?)
      40504 CO=CONTINENTAL
      631375 CO=ELECTRONIC?
S11      137 CO=(CONTINENTAL (W) ELECTRONIC?)
```

When searching for patent assignees using CO=, suffixes may be used to specify your area of search:

Patent Assignee of cited patent	/CT	S CK=BADI/CT
Patent Assignee of citing patent	/CG	S CK=BADI/CG
Cited by Inventor (Author)	/AU	S CK=BADI/AU
Cited by examiner	/EX	S CK=BADI/EX

7.2 Patent Assignee Code

	Patent Family	Patent Family + Citations
Search	PA= /FF	CK=
Display	PA	-

Content

The PA= field relates to the patent family of the PCI record and is restricted to the Patent Assignee Code using the /FF suffix.

The CK= field relates to the codes for all Patent Assignees from the patent family and from the cited and citing patents.

Since corporate names are not standardised, but vary widely according to location and subsidiary, a single company code is assigned to patentees that are known to be related and that regularly file a large number of patents ("Standard" Companies).

Until 1992, a maximum of four codes were applied from the Basic in the family (PA=). From update 199216 however, this restriction was lifted and any number of assignees are recorded. Also since update 197648, additional assignee codes and names have been added from equivalents if they differ from those of the Basic.

Standard Codes

Approximately 21,000 companies, which regularly file a large number of patent applications, are regarded as "standard" companies and are assigned a unique four letter code.

Standard patent assignee codes appear in the Patent Assignee Codes user guide and are searchable on the Thomson Reuters website (<http://scientific.thomsonreuters.com>).

If two organisations (with "Standard" patent assignee codes) merge, the usual policy is to continue to apply the standard patent assignee code for each organisation as long as patents filed under the names of the independent organisations continue to appear.

Note that a new standard company code is not automatically assigned when two large companies merge or are involved in for example, takeovers or demergers. Each case is assessed individually and the most appropriate action taken.

Patentee codes are not generally changed retrospectively as the assignment of patent rights from one organisation to another are not tracked by Thomson Reuters.

Non-standard Codes

Since 1970, "non-standard" codes have been assigned to companies, institutes and individuals that do not file a large number of patents. These codes are allocated using a set of simple rules (see Patent Assignee Codes user guide) and the letters used in the non-standard codes are often the first four letters of the name. Thus these codes are often not unique and their usefulness in searching is limited.

Non-standard codes are displayed with a suffix indicating assignee status as shown overleaf:

	Suffix	Format	
Non-standard Companies	N	ABC-N AAAA-N	197001 to 197402 197403 to date
Russian (Soviet) Organisations	R	AAAA-R	
Individuals	I	DAB-I AAAA-I	197001 to 197402 197403 to date

Searching

If searching for non-standard codes, the appropriate suffix is required.

Searching for the code for BASF (BADI) using the PA= filed restricted with the /FF suffix gives PCI records where the invention is assigned to BASF:

```
? S PA=BADI/FF
      S1 26415 PA=BADI/FF
? T /PA

1/PA/1
DIALOG(R)File 968:

Patent Assignee: BASF PLANT SCI GMBH (BADI)
```

Use of CK= searches the company code in both the family (invention) and in the cited and citing patents:

```
? S CK=BADI
      S1 140235 CK=BADI
```

When searching using CK=, suffixes may be used to specify your area of search:

Assignee code of cited patent	/CT	S CK=BADI/CT
Assignee code of citing patent	/CG	S CK=BADI/CG
Cited by Inventor (Author)	/AU	S CK=BADI/AU
Cited by examiner	/EX	S CK=BADI/EX

7.3 Inventor

	Patent Family	Patent Family + Citations
Search	AU=	IV=
Display	AU	-

Content

The AU= field relates to the inventors from the patent family of the PCI record

The IV= field relates to the inventors from the patent family and from the cited and citing patents.

From update 197804 up to three inventor names were indexed from the Basic in the family (AU=). From 1980, up to eight inventors have been added, with the exception of Soviet or Russian, for which only three inventor names were indexed. Since update 199216, any number of inventors may be listed in the family, but the limit on Russian inventors remains. The number of characters for family name has been increased to a maximum of 30 characters and there is no limit on initials.

Inventor names from Japanese Basics and equivalents have been included since update 200537.

Searching

Inventor names are searched as complete (bound) phrases with the surname (family name) first:

S AU=Surname A B C (note: there are spaces between the initials)

When searching for single-word family names longer than 10 characters, the 10-character version entered into the file before update 199216 and the full name entered thereafter should be included in the search. Either enter both versions of the family name in the search strategy or use EXPAND to select the appropriate entries.

Names with prefixes like von, van, le, Mac etc. may appear in various forms. Names containing an umlaut should be searched as if there were no umlaut and with an "e" following the letter that has the umlaut. It is possible to truncate a name immediately after the family name, when initials are not known, but this may decrease the precision of the search. For complete retrieval, inventors should also be searched as patent assignees.

When searching for inventors using IV=, suffixes may be used to specify your area of search:

Inventor of cited patent	/CT	S IV=WHITE A J/CT
Inventor of citing patent	/CG	S IV=WHITE A J/CG
Cited by Inventor (Author)	/AU	S IV=WHITE A J/AU
Cited by examiner	/EX	S IV=WHITE A J/EX

8 Patent Details

8.1 Patent Number

	Patent Family	Patent Family + Citations
Search	PN=	PP=
Display	PI, PB	-

Content

The PN= field relates to the patent numbers included in the patent family of the PCI record. Searches can be restricted to Basic patent numbers only using the /PB suffix and the Basic may be displayed separately using the PB display code.

The PP= field relates to the patent numbers included in the patent family and from the cited and citing patents.

The patent family lists all patents that relate to a specific invention and is only updated with new members in PCI when new citations are added to the record. The most up to date version of the patent family can be found in *Derwent World Patents Index*.

Searching

Full details of the patent number formats in PCI can be found in Appendices 13.1 and 13.2.

When searching for patent numbers using PP=, suffixes may be used to specify your area of search:

Cited patent number	/CT	S PP=US 20070000011/CT
Citing patent number	/CG	S PP=US 20060291194/CG
Cited by Inventor (Author)	/AU	S PP=DE 3335923/AU
Cited by examiner	/EX	S PP=JP 10251906/EX

Further details for searching for cited and citing patent numbers can be found in Chapter 10.

8.2 Patent Country & Kind Code

	Patent Family	Patent Family + Citations
Search	PC=, CC=	-
Display	PC	-

Content

The Patent Country is a two-letter country code which is part of the patent number for every patent issuing authority (see Appendix 13.4 for a full listing). In addition the full country name in WIPO standard is included in this field.

The patent kind code is based on the WIPO kind-of-document code and is used to distinguish different types of patent documents published by a single patent issuing authority. As patent kind codes have a country-specific meaning only the complete code has been indexed, that is country code plus kind code (see Appendix 13.2 for definitions of all the kind codes used in PCI).

Searching

The patent country can be searched using the two-letter WIPO code or as the country name (multi-word country names have been indexed as bound phrases so there is no need to use proximity operators)

? S PC=EP	S1 1732091 PC=EP (EUROPEAN PATENT)
? S PC=EUROPEAN PATENT	S2 1732091 PC=EUROPEAN PATENT (EP)

For comprehensive search results by patent country, both the Patent Country field and the Designated States field should be searched using the CC= qualifier.

To restrict the search to the country of the Basic patent, the /PB qualifier should be used.

The patent country can be searched alone or together with its code using truncation where appropriate.

For example to retrieve all European kind A publications:

? S PC=EP A?	S3 1264048 PC=EP A (OPI APPLICATION)
--------------	--------------------------------------

Further details for searching for cited and citing patent countries can be found in Chapter 10.

8.3 Designated States

	Patent Family	Patent Family + Citations
Search	DS=	-
Display	DS	-

Content

Designated States are included for European (EP) and PCT (WO) documents to indicate which states the applicant has designated for protection of the invention.

On PCT applications states are designated as national (the application will proceed via a national patent authority) and/or regional (the application will proceed via a regional authority, i.e. through the European Patent Office or the African Industrial Property Office). For EP documents, the designated states are always indexed as regional.

Searching

The designated states are searched using the WIPO standard country code (see Appendix 13.5) or alternatively as the country name (multi-word country names have been indexed as bound phrase so there is no need to use proximity operators).

For PCT (World) documents, national and regional designated states are both searched with the DS= qualifier. To restrict a search to one or the other, the appropriate qualifier should be used:

National DS= /NA

Regional DS= /RN

For comprehensive search results by patent country, both the Designated State field and the Patent Country field should be searched using the CC= qualifier

The designated states are linked by (S) proximity to the corresponding patent and application information.

Designated states are not included in any default displays.

8.4 Patent Family Counts

	Patents	Countries
Search	NP=	NC=
Display	NP	NC

Content

Number of Patents

This gives a count of the number of documents in the family including EP and PCT (WO). The NP= field is incremented accordingly as new equivalents are added to a record, including individual counts from different document kinds, e.g. EP-A2, EP-A3 etc.

Number of Countries

This is calculated by summing the number of countries represented by the documents listed in the family, including the designated states in EP and PCT (WO) documents. EP and PCT are not themselves counted as countries. Should there be more than one document from a single country, e.g. DE-A and DE-C, the country is only counted once.

Searching

The NP= and NC= fields are numerically searchable fields. Range-searching is also available.

```
? S NP=5:8
  S12 1141599 NP=5:8
```

8.5 Patent Family Publication Language

	Patent Family	Patent Family + Citations
Search	LA=	-
Display	LA	-

Content

The original language is indicated for all patents in the patent family. This is particularly useful for countries that accept documents in more than one language such as Canada which accepts applications in both French and Canadian.

Searching

The language of the patent can be searched using either the code or the full name of the language in ISO standard. Use the EXPAND command to find out how a language is posted.

The language is linked by (S) proximity to the corresponding patent information.

8.6 Type of Family Member

	Patent Family	Patent Family + Citations
Search	TY=	-
Display	-	-

Content

The type of family member indicates whether the patent in the family is one of the following types:

Basic	New invention not previously seen in <i>DWPI</i>	?S TY=B
Equivalent	Document covers the same invention as a Basic	?S TY=E
Non-Convention Equivalent	Document is equivalent but not linked by priority	?S TY=NCE
Equivalent Treated As Basic	Document is equivalent to a Basic which has not had the full abstracting / indexing treatment in <i>Derwent World Patents Index</i> . Abstracting / Indexing is applied from the Equivalent document	?S TY=ETAB

Searching

```
? S S1 AND TY=ETAB
      26828 S1
      34237 TY=ETAB (PATENT FAMILY MEMBER TREAT AS BASIC)
S2      31 S1 AND TY=ETAB
? T 2/PN/1

15/PN/1

Patent
Number      Kind   Date   Update
NO 200503393   A    20060911  200682   B
WO 2007008086  A1   20070118  200725  ETAB
NO 322301      B1   20060911  200682   E
US 20070071254 A1   20070329  200725   E
```

8.7 Application Number

	Patent Family	Patent Family + Citations
Search	AN=	-
Display	AN	-

Content

Application numbers have been recorded since early 1984 (DWPI update 198409) for equivalents from the following sources: BE, DE, EP, GB, JP, SU, WO and NL (examined).

In addition, application numbers have been recorded for the same period for chemical equivalents from: FR, NL (unexamined) and ZA.

Since DWPI update 199216 application information is recorded for all countries. Gaps in application data coverage have now been filled where possible using original data from the following sources:

- German applications, granted patents, and utility models
- European applications and granted patents
- US applications and granted patents
- PCT applications
- Japanese applications

Where available, application information displays alongside their patent numbers in the expanded patent number table.

Searching

Application numbers are searchable either DWPI or DIALOG formats. If you are unsure of the application number format, use the EXPAND command or consult the table of application countries and their application number formats in Appendix 13.3.

DWPI Format YYYYCC-NNNNNNNNnnn

YYYY= four-digit year, CC = two-letter WIPO code and NNNNNNNNNnnn = 9 or 12-digit serial number possibly containing letters (made up with leading zeros where necessary)

DIALOG Format CC YYYYnnnnn or CC nnnnn

YYYY=four-digit year, CC = two-letter WIPO code and nnnnn = variable length serial number possibly containing letters (with no zero fill)

United States application numbers in DIALOG format are indexed in further ways so that entries are unique, and so they are compatible with the formats in other databases on DIALOG:

- US YYYYnnnnn e.g. US 1987100; US 2005641304
- US nnnnn-YYYY e.g. US 100-1987; US 641304-2005
- US YY-nnnnn e.g. US 07-100;US 60-641304

8.8 Application Country & Kind Code

	Patent Family	Patent Family + Citations
Search	AC=	-
Display	AC	-

Content

The Application Country is a two-letter country code which is part of the application number for every patent issuing authority (see Appendix 13.4 for a full listing). In addition the full country name in WIPO standard is included in this field.

The application country kind code is based on the WIPO kind-of-document code and is used to distinguish different types of patent documents published by a single patent issuing authority. As kind codes have a country-specific meaning only the complete code has been indexed, that is country code plus kind code (see Appendix 13.2 for definitions of all the kind codes used in PCI).

Full details on coverage can be found in section 8.7.

Searching

The application country can be searched using the two-letter WIPO code or as the country name (multi-word country names have been indexed as bound phrases so there is no need to use proximity operators).

The application country is tied by (S) proximity to the other application information regarding the same application.

The application country can be searched alone or together with its code using truncation where appropriate.

8.9 Priority Number

	Patent Family	Patent Family + Citations
Search	PR=	-
Display	PR	-

Content

When an inventor applies for a patent in several countries, the first application (the one with the earliest date), regardless of the country in which it was filed, is the priority application. The date of the first application is referred to as the priority date.

All priorities for each patent have been included since the middle of 1977 (DWPI update 197729). Prior to that date, the number of priorities entered was restricted to ten.

In some cases, a patent in one country has broader coverage than a single patent in another country. This situation can result in a patent family having more than one priority application. Multiple priorities can also result when new work is carried out on an invention during the 12 month period between original application filing and priority-based filing abroad.

Searching

Priority numbers are formatted in the same way as application numbers (see section 8.7)

Priority numbers can also be searched using the application number qualifier AN= if the /PR suffix is also used.

In the example below a GB application from 2007 is searched firstly in the DWPI format, then using AN= /PR and then in the Dialog format. By combining the answers it shows that these variations all retrieve the same document

```
? S PR=2007GB-000000377
   S4      1  PR=2007GB-000000377

? S AN=2007GB-000000377/PR
   S5      1  AN=2007GB-000000377/PR

? S PR=GB 2007377
   S6      1  PR=GB 2007377

? S S4:S6
   S7      1  S4:S6
```

8.10 Priority Country & Kind Code

	Patent Family	Patent Family + Citations
Search	AC= /PR	-
Display	PR	-

Content

The priority country is a two-letter country code which is part of the priority application number for every patent issuing authority (see Appendix 13.4 for a full listing). In addition the full country name in WIPO standard is included in this field.

The priority country kind code is based on the WIPO kind-of-document code and is used to distinguish different types of patent documents published by a single patent issuing authority. As kind codes have a country-specific meaning only the complete code has been indexed, that is country code plus kind code (see Appendix 13.2 for definitions of all the kind codes used in PCI).

Searching

The priority country can be searched using the two-letter WIPO code or as the country name (multi-word country names have been indexed as bound phrases so there is no need to use proximity operators).

The priority country is tied by (S) proximity to the other priority information concerning the same application.

The priority country can be searched alone or together with its code using truncation where appropriate.

? S AC=FRANCE/PR	S8 240708 AC=FRANCE/PR (FR)
? S AC=FR A?/PR	S9 240683 AC=FR A?/PR

8.11 Patent Filing Details

	Patent Family	Patent Family + Citations
Search	FD=, FT=	-
Display	FD, FT	-

Content

The patent filing details field contains information about patent family members that are not represented in the patent family table. Although the specific data available varies from patent to patent, the types of information that may accompany the patent number and kind are related application number, related patent number, designated states, document language and number of pages

Filing notes about divisions, continuations and other relationships may also be present.

Searching

The application notes text is searchable as a bound phrase.

```
? S FD=BASED ON?
    S3 1415218  FD=BASED ON?

? T 3/FD/1

    3/FD/1

Patent Details
Number      Kind  Lan  Pg  Dwg  Filing Notes
WO 2007083102  A1  EN   24   8
National Designated States,Original:  AE AG AL AM AT AU AZ BA BB BG BR BW
BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM GT
HN HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY
MA MD MG MK MN MW MX MY MZ NA NG NI NO NZ OM PG PH PL PT RO RS RU SC SD
SE SG SK SL SM SV SY TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
Regional Designated States,Original:  AT BE BG BW CH CY CZ DE DK EA EE ES
FI FR GB GH GM GR HU IE IS IT KE LS LT LU LV MC MW MZ NA NL OA PL PT RO
SD SE SI SK SL SZ TR TZ UG ZM ZW
US 20070235209  A1  EN                               Continuation of application  WO
2007GB126
GB 2438239      A   EN                               Application  WO 2007GB126
Based on OPI patent  WO 2007083102
```

9 Date Searching

9.1 Publication Date

	Patent Family	Patent Family + Citations
Search	PD=, PY=, PM=	-
Display	PD	-

Content

Publication dates are available for both basics and equivalents in the DWPI family since the beginning of 1974. For documents published before 1974, the publication date may not be available.

Searching

Publication dates can be searched in three ways:

	Qualifier	Format	Search example
Full publication date	PD=	YYYYMMDD	?S PD=20080105
Publication month	PM=	YYYYMM	?S PM=200608
Publication year	PY=	YYYY	?S PY=1989

The publication date fields are range searchable. To search time ranges larger than one year, the publication year (PY=) field should be used

```
? S PD=20000901:20001001
      S13 78018 PD=20000901:20001001

? S PY=2000:2005
      S14 2971485 PY=2000:2005
```

Searches can be restricted to the publication date of basic patents only using the suffix /PB with the corresponding display code PB.

9.2 Application and Priority Dates

	Patent Family	Patent Family + Citations
Search	AD=, AM=, AY=	-
Display	AD	-

Content

On application for a patent an application date is applied by the patent office. When an inventor applies for a patent in several countries, the first application (the one with the earliest date), regardless of the country in which it was filed, is the priority application and the date of this first application is the priority date.

Where in some cases the full date is unknown, or not given in the specification, which may happen when divisional application numbers are added, the day and month are recorded as zeros, e.g. 19760000/AD.

Searching

Application dates can be searched in three ways:

	Qualifier	Format	Search example
Full application date	AD=	YYYYMMDD	?S AD=20071024
Application month	AM=	YYYYMM	?S AM=200608
Application year	AY=	YYYY	?S AY=1989

To restrict the search to priority dates, the /PR suffix is used:

	Qualifier	Format	Search example
Full priority date	AD= /PR	YYYYMMDD	?S AD=20060805/PR
Priority month	AM= /PR	YYYYMM	?S AM=200608/PR
Priority year	AY= /PR	YYYY	?S AY=1989/PR

The date fields are range searchable. To search time ranges larger than one year, the application year (AY=) field should be used

10 Citation Data

10.1 Cited Patents

	Search	Display
Family Member of Cited Patent	PN= /CT	CT
Cited Patent Number	CT=	CT
Cited Patent Country and Kind Code	CT=	CT
Cited WPI accession number	RX= /CT	CT
Cited Patent Assignee/Code	CO= /CT	CT
Cited Author/Inventor	IV= /CT	CT
Category (Examiner's relevance indicator where available)	RI= /CT	CT

Content

Each PCI record contains citations from both the Basic and Equivalent family members for the countries covered (see Chapter 3 for details). Cited patents are those referenced by an examiner or inventor that are cited against a patent family member.

Many cited patent numbers may not be present in other patent databases, e.g. *DWPI* as they may be very old or from countries not covered.

As citations can be assigned by examiners and/or inventors, these are separated out in the PCI record display for clarity.

Searching

Patent numbers, patent countries and kind codes are all in standardised format as detailed in Appendices 13.1, 13.2 and 13.4.

Values for the Examiner's relevance indicator are given in Appendix 13.5.

Accession numbers, Assignees and Inventors are searched as for the family information (see chapters 6 and 7)

Cited patent number searches can be restricted to Examiner and Inventor using the following suffixes:

Cited by Inventor (Author)	/AU	?S CT=DE 3335923/AU
Cited by examiner	/EX	?S CT=JP 10251906/EX

10.2 Citing Patents

	Search	Display
Family Member of Citing Patent Number	PN= /CG	CG
Citing Patent Number	CG=	CG
Citing Patent Country and Kind Code	CG=	CG
Citing DWPI accession number	RX= /CG	CG
Citing Patent Assignee/Code	CO= /CG	CG
Citing Author/inventor	IV= /CG	CG
Category (Examiner' s relevance indicator where available)	RI= /CG	CG

Content

Each PCI record contains citations from both the Basic and Equivalent family members for the countries covered (see Chapter 3 for details). Citing patents are those patents referenced by an examiner or inventor that are citing a patent family member.

As citations can be assigned by examiners and/or inventors, these are separated out in the PCI record display for clarity.

Searching

Patent numbers, patent countries and kind codes are all in standardised format as detailed in Appendices 13.1, 13.2 and 13.4.

Values for the Examiner's relevance indicator are given in Appendix 13.5.

Accession numbers, Assignees and Inventors are searched as for the family information (see chapters 6 and 7)

Citing patent number searches can be restricted to Examiner and Inventor using the following suffixes:

Citing by Inventor (Author)	/AU	?S CG=EP 1514835/AU
Citing by examiner	/EX	?S CG=JP 10099332/EX

10.3 Literature References

	Search	Display
Family Member of Cited Literature Reference Number	PN= /RF	RF
Cited Literature Reference	RF=	RF
Category (Examiner's relevance indicator where available)	RI= /RF	RF

Content

Literature citations are included as published in the patent specification. Abbreviations are common in this data.

They can be displayed with RF (Referenced Non-Patent Literature).

Searching

Generally all data and their relationships in the literature citations can be searched for.

Single words from the reference can be linked using proximity operators, e.g. W:

[S RF=\(CROSSTALK \(W\) REDUCTION\)](#)

10.4 Examiner's Field of Search

Search	FS=
Display	CT

Content

The Examiner's Field of Search (FOS) contains the International patent Classification (IPC) and/or the US National Patent Classifications (USClass) the examiner used when assessing the application.

Searching

Please note that the format of these codes is as appears on the original document and **may not** comply with standardised formats.

The IPCs used by the examiner can be searched using truncation, e.g.:

[S FS=B60K-04?](#)

The USClasses used by the examiner can also be searched using the complete code or truncation, e.g.:

[S FS=141144?](#)

10.5 Citation Type

Qualifiers

Search	RT=
Display	-

Content

The citation type contains information on the type of citation – citing patent, cited patent or cited literature records.

Searching

Citation type is phrase searchable, as follows (truncation may be used):

? S RT=CITATION

? S RT=CITED PATENTS

? S RT=CITING PATENTS

? S RT=CITED LITERATURE REFERENCES?

11 PCI Updates

Search	UB=, UE=, UD=, UG=
Display	-

Content

Updates are assigned to all records to indicate when a new record is added to the database or when additional information is added to an existing record.

PCI is updated approximately every three to four days.

Searching

The following update codes are applied:

UB=	New records added to PCI
UE=	Equivalent patents added to PCI
UD=	All additions and changes
UG=	Citing patents added to PCI

All the Update fields are searched using the formats YYYYUP, where YYYY is the four-digit year and UP is the update number.

12 Special Features

12.1 SORT

The following field codes can be used to sort results:

AA	Main <i>DWPI</i> Accession Number
AU	Author/Inventor
CK	Patent Assignee Code
NP	Number of Patents (Patent Family)
PA	Patent Assignee (Patent Family)
PD	Publication Date (Basic)
PN	Patent Number (Basic)
TI	Title

12.2 RANK

All phrase- and numerically-indexed fields in the Additional Indexes can be ranked. Additional RANK codes include:

AARX	Main <i>DWPI</i> accession number searched as citing/cited <i>DWPI</i> accession number
ACPR	Priority country
ADPR	Priority date
AK	Application country and kind code
AKPB	Application country and kind code for Basic only
ANPR	Priority number
AYPR	Priority year
AXALL	All <i>DWPI</i> accession numbers
CGPN	Citing patent number searched as patent number
CTPN	Cited patent number searched as patent number
COGCODE	Citing patent assignee code
COGNAME	Citing patent assignee name
COCTCODE	Cited patent assignee code
COCTNAME	Cited patent assignee name
PAALL	All patent assignees
PACODE	Main patent assignee code
PANAME	Main patent assignee name
PCPB	Basic patent country
PDPB	Basic patent publication date
PK	Patent country and kind code
PKPB	Basic patent country and kind code
PNPB	Basic patent number
PYPB	Basic patent publication year
RXAA	Cited/citing <i>DWPI</i> accession number searched as main <i>DWPI</i> accession number
RXCG	<i>DWPI</i> accession number for citing patents
RXCT	<i>DWPI</i> accession number for cited patents

12.3 MAP

The following field codes can be used to MAP results:

AA	Main <i>DWPI</i> accession number
AARX	Main <i>DWPI</i> accession number searched as cited/citing <i>DWPI</i> accession number
AN	Application number
ANPR	Priority number
AX	All <i>DWPI</i> accession numbers
CG ¹	Citing patent number
CGPN	Citing patent number searched as PN=
CK	Patent assignee code
CO	Patent assignee (all)
COCG	Citing patent assignee
COCGCODE	Citing patent assignee code
COCGNAME	Citing patent assignee name
COCT	Cited patent assignee
COCTCODE	Cited patent assignee code
COCTNAME	Cited patent assignee name
CT ¹	Cited Patent Number
CTPN	Cited patent number searched as PN=
IV	Inventor (all)
PA	Patent assignee (patent family)
PAALL	Patent assignee (all)
PACODE	Main patent assignee code
PANAME	Main patent assignee name
PN ²	Patent number
PNPB	Basic patent number
PNCG	Citing patent numbers
PNCT	Cited patent numbers
PP	All patent numbers
RX ³	Cited/citing <i>DWPI</i> accession number.
RXAA	Cited/citing <i>DWPI</i> accession number searched as main <i>DWPI</i> accession number
RXCG	Citing <i>DWPI</i> accession number
RXCGAA	Citing <i>DWPI</i> accession number searched as main <i>DWPI</i> accession number
RXCT	Cited <i>DWPI</i> accession number
RXCTAA	Cited <i>DWPI</i> accession number searched as main <i>DWPI</i> accession number

1. Use CTPN or CGPN to MAP cited or citing patents so they can be searched as PN=
2. Use PNCT or PNCG to MAP family member patents so they can be searched as cited/citing patents.
3. Use RXAA to MAP cited/citing *DWPI* Accession Numbers so they can be searched as AA=

Also where CC is a country code for CA, DE, EP, FR, GB, JP, US or WO:

PNCC	Patent number
ANCC	Application number
ANPRCC	Priority number

13 Appendices

13.1 Patent Number Formats

There are three categories of patent numbers and each are formatted in a standard way.

1. Numeric Series Patent Numbers

Format: S PN=CC nnnnnnnnnn

CC = WIPO Country Code followed by a space
 nnnnnnnnnn = Variable number of digits

Some original patent numbers include letters. These letters are omitted in the Dialog format, the type of document being reflected in the kind code, for example:

Original Format	Dialog Format	Kind Code
USRE29133	US 29133	E
HUT012790	HU 12790	T
HUH003612	HU 3612	H

US NTIS patent numbers

US government-owned inventions were covered in *Derwent World Patents Index* from 1983-1996. Issued under the jurisdiction of the National Technical Information Service (NTIS), the patent numbers of these inventions comprise the letter "N" between the serial number and the country code. They also have the kind code "N", for example USN6142951N.

Original Format	Dialog Format	Kind Code
US06142951	US N6142951	N

2. Patent numbers that include a year element

Format: S PN=CC YYnNNNNN

CC = WIPO Country Code
 YYYY = Four digit year
 nNNNNN = 5 or 6 digit serial number with zero front fill where necessary

PCT patent numbers

Irrespective of whether their publication year was 19xx or 2000+ all PCT patent numbers have also been converted to a four digit year and the serial number expanded to 6 digits with leading zeros.

Original Format	Dialog Format
WO9213379	WO 1992013379
WO2004000150	WO 2004000150

Chinese patent numbers

Pre-1989, the patent number was derived from the application number which was an 8-digit number consisting of a 2-digit year, followed by 1 and then the 5-digit serial number.

Original Format	Dialog Format
CN88100175	CN 88100175

Post-1988 the patent number has been a numeric series. In addition Chinese A and C documents have independently running number series which can potentially lead to number clashes. It is advisable to use the patent kind in your search in these cases.

German patent numbers

October 1968 to December 1996 - German patent applications comprise 7-digit serial numbers prefixed by the letter 'P' (indicating a patent application), followed by a decimal point and a computer check digit. The first two digits of the 7 digit serial number represented the year of application (obtained by adding 50), the remainder of the number comprising a 5-digit serial starting on January 1st each year. The patent number is derived from the application number by omitting the 'P' and the check digit.

Original Format	Dialog Format	Kind Code
DEP4229048.3	DE 4229048	A1

January 1995 to 2004 - German patent applications comprise 8-digit numbers followed by a decimal point and a computer check digit. The first digit of the serial number is 1, indicating a patent application, the next two digits are the year and the final five digits are a serial number beginning at 1 annually. The patent number is derived from the application number by omitting the check digit.

Original Format	Dialog Format	Kind Code
DE19813012.0	DE 19813012	A1

From January 2004 - German patent applications comprise a 12- digit number. The first two digits indicate the IP right (10 = patent, 20=utility model etc.) and are followed by a 4- digit year and a 6-digit serial number.

Original Format	Dialog Format	Kind Code
DE102004035364	DE 102004035364	A1

Indian patent applications

Indian patent applications can come from four regional patent offices in India, each with the same numbering system. To distinguish the patent numbers from each other, a kind code identifying the local office is included in the patent number:

- Format: IN YYYYNNNNN KK e.g. IN 200601239 I2
- CC = WIPO Country Code
 - YYYY = Four digit year
 - NNNNN = 5 digit serial number with zero front fill
 - KK = Kind Code

The kind codes are as follows:

Office	Pre-grant Applications	National Phase PCT Applications
Delhi	I1	P1
Kolkata	I2	P2
Mumbai	I3	P3
Chennai	I4	P4

US patent applications

From the 29th November 2000, the US Patent and Trademark Office has published patent applications (A1) which comprise an 11-digit serial number, e.g.

- Format: US YYYYNNNNNNN e.g. US 20010000001
- YYYY = Four digit year
 - NNNNNNN = 7 digit serial number with zero front fill

3. Japanese patent numbers

Special formats are used to distinguish between Japanese documents that are unexamined applications (Kokai), old law examined patents (Kokoku), and new law granted patents (Toroku).

Pre-January 2000 Unexamined Japanese applications (Kokai)

Format: S PN=JP EENNNNNN

JP	=	WIPO Country Code for Japan
EE	=	Two-digit Emperor year
NNNNNN	=	6 digit number with zero front fill

All are searched using the Japanese Imperial Year (Year of the Emperor) which is derived from the Western year as shown below:

Western Year	Japanese Year of the Emperor
1963 – 1988	Western Year minus 25 e.g. JP----62014858/PN
1989* – date	Western Year minus 88 e.g. JP----02089643/PN

*The first 3200 documents of 1989 are Western Year minus 25 (JP----64000001 to JP----64003200)

Post-January 2000 Unexamined Japanese applications (Kokai)

Format: S PN=JP YYYYNNNNNN

JP	=	WIPO Country Code for Japan
YYYY	=	Four-digit Western year
NNNNNN	=	6 digit number with zero front fill

From 1st January 2000 the Japanese patent office introduced a new numbering system for patent applications based on the Western Year (YYYY).

Unexamined documents applied for in Japan have status code (patent kind) A.

Unexamined documents transferred from PCT (World) applications have status code W, X, Y, or Z where:

W	=	PCT transfer (origin abroad)
X	=	PCT transfer (origin Japan)
Y	=	PCT transfer to Utility Model (origin abroad)
Z	=	PCT transfer to Utility Model (origin Japan)

Examined Japanese specifications (Kokoku)

Format: S PN=JP YYYYNNNNNN

JP	=	WIPO Country Code for Japan
YYYY	=	Four-digit Western year
NNNNNN	=	6 digit number with zero front fill

These documents have status code B

New Law Granted Japanese specifications (Toroku)

Format: S PN=JP NNNNNNN

JP	=	WIPO Country Code for Japan
NNNNNNN	=	7 digit number

These documents have kind code B2 if they have been previously published at the Kokai stage (Toroku) or B1 if they have not been previously published at the Kokai stage (Tokkyo Koho).

13.2 Example Patent Number Formats and Kind Codes

The following lists all the Dialog standardised patent number formats found in PCI (definitions of abbreviations used can be found at the end of the table)

Dialog Format	Kind	Kind Definition
AR		
AR 200992	AR A	Patent (1974 – 1976 only)
AT		
AT 8500819	AT A	OPI application without examination (old law)
AT 200008020	AT A	OPI application without examination (old law)
AT 503735	AT A1	Application with SR (from 200574)
AT 503686	AT A2	Application without SR (from 200574)
AT 502411	AT A4	A2 published same day as B without A3
AT 500004	AT A8	Corrected title page of Austrian A document
AT 500005	AT A9	Complete reprint of Austrian A document
AT 395582	AT B	Granted patent (old law)
AT 503550	AT B1	Patent
AT 500002	AT B2	Patent amended after opposition
AT 500004	AT B8	Corrected title page of Austrian B document
AT 500005	AT B9	Complete reprint of Austrian B document
AU		
AU 8423026	AU A	OPI application without examination
AU 200061304	AU A	OPI application without examination
AU 2004212605	AU A1	1 st publication of unexamined standard patent
AU 2004212605	AU A1	Divisional standard/petty application
AU 2006239727	AU A2	Amended first publication
AU 2007100132	AU A4	Publication of granted innovation patent
AU 2007100018	AU A5	Amended Pre-Grant OPI Innovation Patent
AU 2002101053	AU A6	Amended Post-Grant OPI Innovation Patent
AU 2003214917	AU A8	Correction to bibliographic data of A publication
AU 2006100520	AU A9	Correction to the specification of A publication
AU 634440	AU B	Examined and accepted patent
AU 2006252280	AU B1	Acceptance without previous OPI notification
AU 2005239648	AU B2	Acceptance following previous OPI notification
AU 2005100565	AU B4	Publication of a certified innovation patent
AU 700682	AU B3	Petty patent
AU 2005200509	AU B8	Correction to bibliographic data of B publication
AU 2005227407	AU B9	Correction to the specification of B publication

Dialog Format	Kind	Kind Definition
BE		
BE 893309	BE A	Unexamined granted patent
BE 1011014	BE A0	Unexamined granted patent
BE 1003729	BE A3	Initial text with Search Report
BE 1003780	BE A4	Changed/corrected text with Search Report
BE 1003497	BE A5	Text with amended claims and Search Report
BE 1016726	BE A6	6-Year patent of invention not searched
BE 1016682	BE A7	Corrected 6-year patent of invention
BE 1011014	BE B3	Patent of invention, 2 nd publication with Search Report
BE 1005196	BE B5	Patent of invention, 2 nd publication
BE 1010895	BE B6	6-Year patent of invention not searched, 2 nd publication
BE 1010358	BE B7	Corrected 6-year patent of invention, 2 nd publication
BE 93	BE T	Transfer to BE national from EP application
BE 114	BE T7	European Transfer
BR		
BR 8200174	BR A	OPI application – not searched or examined
BR 200100002	BR A	OPI application – not searched or examined
BR 1100685	BR A3	Pipeline patent application
CA		
CA 1134551	CA A	Examined granted patent before 16 Oct 1990
CA 2591115	CA A1	OPI Application from 16 Oct 1990
CA 1272200	CA B	Reissue (old law)
CA 1275151	CA C	Granted patent (old & new law)
CA 2298277	CA E	Reissue granted after 01.10.89 (old & new law)
CH		
CH 632885	CH A	Granted unexamined or examined document
CH 681267	CH A3	OPI application searched/preliminary examined
CH 681338	CH A5	Granted without examination
CH 696560	CH A8	Correction to bibliographic data of A publication
CH 694831	CH A9	Correction to specification of A publication
CH 630505	CH B	Examined accepted specification
CH 689414	CH B5	Granted with examination
CN		
CN 88100063	CN A	OPI application (before 1989)
CN 1929572	CN A	OPI application
CN 1272705	CN C	Examined patent application
CN 201006300	CN Y	Utility model

Dialog Format	Kind	Kind Definition
CS		
CS 8101239	CS A	Examined accepted specification
CS 9006710	CS A1	Patent application
CS 9103400	CS A2	Patent application (from 199232)
CS 276695	CS B	Granted patent (from 199301)
CZ		
CZ 9702871	CZ A3	OPI before examination (from 199417)
CZ 200100051	CZ A3	OPI before examination (from 1Jan 2000)
CZ 297449	CZ B6	Granted patent (from 199417)
DD		
DD 296580	DD A	Examined granted patent
DD 230532	DD A3	Patent specification (Economic Patent)
DD 299844	DD A4	Economic patent according to para 29(1) /50
DD 301775	DD A5	Patent specification (exclusive patent)
DD 302035	DD A7	Patent specification (exclusive and searched)
DD 301635	DD A8	Addition of exclusive patent
DD 301711	DD A9	OPI application (published from 1 May 1992)
DD 274818	DD B	Re-examined after grant
DD 271492	DD B1	Economic patent, searched and examined
DD 292475	DD B3	Exclusive patent, searched and examined
DD 301842	DD B5	Patent specification following A7 after objection
DD 286281	DD C	Examined granted patent
DD 234470	DD C2	Economic patent amended
DD 300969	DD C4	Granted examined exclusive patent
DD 240135	DD C5	Patent specification, 3 rd publication
DD 271812	DD T9	Translation under Havana agreement
DE		
DE 3223281	DE A	OPI application before examination
DE 2165423	DE A	Examined accepted specification
DE 4229005	DE A1	OPI application before examination
DE 19813012	DE A1	OPI application before examination
DE 102004035364	DE A1	OPI application before examination
DE 112006002038	DE A5	Title page for PCT application filed in German
DE 102006011223	DE A8	Correction to bibliographic data of A publication
DE 10307534	DE A9	Correction to claims, description or drawings
DE 2829631	DE B	Examined accepted specification
DE 102004025786	DE B3	Examined patent – 1 st publication
DE 10206286	DE B4	Examined patent – 2 nd publication
DE 10346055	DE B8	Correction to bibliographic data to B publication
DE 10336941	DE B9	Correction to claims, description or drawings
DE 3136278	DE C	Granted patent from 1981 (from 198138)

Dialog Format	Kind	Kind Definition
DE 4119823	DE C1	Examined patent – first publication
DE 19808987	DE C1	Examined patent – first publication
DE 102004000001	DE C1	Examined patent – first publication
DE 4109215	DE C2	Examined patent – second publication
DE 19745773	DE C2	Examined patent – second publication
DE 102004000002	DE C2	Examined patent – second publication
DE 10151243	DE C5	Modified granted patent (previously C3)
DE 19523358	DE C8	Correction to modified patent (biblio)
DE 19511788	DE C9	Correction to modified patent (claims etc.)
DE 3485556	DE E	Granted EP (English or French)
DE 68902278	DE E	Granted EP (English or French) assigned DE number
DE 602004000001	DE E	Granted EP (English or French) assigned DE number
DE 3161384	DE G	Granted EP assigned DE number
DE 58900386	DE G	Granted EP in German assigned DE number
DE 502004000001	DE G	Granted EP in German assigned DE number
DE 3249155	DE T	PCT transfer to DE
DE 112004000010	DE T	PCT transfer to DE
DE 10392170	DE T0	PCT transfer to DE not published in German
DE 69634325	DE T2	Translated granted EP with DE No.
DE 112004000029	DE T5	Translation of PCT international announcement
DE 10392190	DE T8	Correction to bibliographic data of EP
DE 10296848	DE T9	Correction to claims etc. of EP
DE 29700012	DE U1	Utility Model
DE 202006009312	DE U1	Utility Model
DE 202006019496	DE U8	Correction to bibliographic data of Utility Model
DE 202007004307	DE U9	Correction to claims etc. of Utility Model
DK		
DK 8104311	DK A	OPI application
DK 200601429	DK A	OPI application
DK 176367	DK B	Granted patent
EP		
EP 140267	EP A	OPI application
EP 488479	EP A1	OPI application with Search Report
EP 500371	EP A2	OPI application without Search Report
EP 347038	EP A3	Examiner's Search Report only for A2
EP 764489	EP A4	Supplementary Search Report
EP 1079574	EP A8	Corrected title page of an A document
EP 1076436	EP A9	Complete reprint of an A document
EP 7694	EP B	Examined granted specification
EP 308133	EP B1	Examined granted specification
EP 1116432	EP B2	Amended specification
EP 806304	EP B8	Corrected title page of a B document
EP 997261	EP B9	Complete reprint of a B document

Dialog Format	Kind	Kind Definition
ES		
ES 8500012	ES A	Unexamined granted patent
ES 2070101	ES A	OPI application
ES 2264402	ES A1	Patent application published with Search Report
ES 2111447	ES A2	Patent application published without Search Report
ES 2027897	ES A6	OPI application without Search Report
ES 2020008	ES B	Granted patent published with Search Report
ES 2105966	ES B1	Granted patent published with Search Report
ES 2274697	ES B2	Patent published after examination
ES 2026835	ES T1	Translation of claims with drawings of EP
ES 2028461	ES T3	Translation of EP granted
ES 2047961	ES T4	Corrected translation of a granted EP
ES 2031677	ES T5	Modified translation of a granted EP
FI		
FI 8201863	FI A	OPI application
FI 200100016	FI A	OPI application
FI 116439	FI B	Examined patent application
FI 118160	FI B1	Granted patent (new law)
FR		
FR 1464041	FR A	Granted patent (until 1969)
FR 2504788	FR A	OPI application (from 1969)
FR 2670849	FR A1	OPI application
FR 2786072	FR A2	Application for certificate of addition
FR 2670250	FR A3	Application for certificate of utility
FR 95386	FR E	Certificate of addition (until 1969)
FR 272	FR M	Medicament addition
GB		
GB 1593412	GB A	Examined granted specification (<2000000)
GB 2019743	GB A	OPI application (2000000+)
GB 2403612	GB B	Examined granted specification
HU		
HU 219200	HU A	OPI application exam requested/deferred
HU 9600282	HU A1	Unexamined patent application
HU 200500973	HU A1	Unexamined patent application
HU 9603272	HU A2	Examined patent application
HU 200500692	HU A2	Examined patent application (from 2000)
HU 74035	HU T	Examined accepted specification
HU 3841	HU H	OPI application
HU 200202169	HU B	Granted patent with Search Report
HU 225187	HU B1	Granted patent

Dialog Format	Kind	Kind Definition
IE		
IE 6900457	IE A	Patent specification (1963 – 1969 only)
IE 84759	IE B	Granted patent
IE 77774	IE B3	Short patent
IL		
IL 61670	IL A	Application for patent of invention
IN		
IN 200602719	IN I1	Pre-grant application from Delhi
IN 200601239	IN I2	Pre-grant application from Kolkata
IN 200501360	IN I3	Pre-grant application from Mumbai
IN 200601930	IN I4	Pre-grant application from Chennai
IN 200702942	IN P1	National phase PCT application from Delhi
IN 200701129	IN P2	National phase PCT application from Kolkata
IN 200700246	IN P3	National phase PCT application from Mumbai
IN 200604670	IN P4	National phase PCT application from Chennai
IN 195556	IN B	Pre opposition granted application
IT		
IT 1074059	IT A	Patent
IT 1341642	IT B	Patent of invention – 2 nd publication
JP		
JP 63012394	JP A	OPI application
JP 4281830	JP A	OPI application
JP 2001110593	JP A	OPI application (from 1 Jan 2000)
JP 63023623	JP B	Examined application
JP 3624196B	JP B1	Registered granted patent not published as A
JP 1995053912	JP B2	Ex. Application
JP 3537145	JP B2	Registered granted patent
JP 3139061	JP U	Utility model
JP 2008519436	JP W	PCT transfer (origin abroad)
JP 2000513578	JP W	PCT transfer (origin abroad)
JP 2003531387	JP X	PCT transfer (origin Japan)
JP 8500005	JP Y	PCT transfer to Utility Model (origin abroad)
JP 61600004U	JP Z	PCT transfer to Utility Model (origin Japan)
KR		
KR 8800853	KR A	Application
KR 2007082486	KR A	Application
KR 8601301	KR B	Examined patent specification
KR 528155	KR B	Examined patent specification
KR 9201932	KR B1	Examined patent specification
KR 557741	KR B1	Examined patent specification
KR 9310764	KR B2	Examined Patent Application (1 st publication)

Dialog Format	Kind	Kind Definition
KR200701024	KR U	Utility model (application)
KR 438083	KR Y	Utility model (registered)
LU		
LU 85505	LU A	Unexamined granted patent
MX		
MX 183636	MX A	Patent of invention
MX 9602714	MX A1	Published patent application
MX 2000000073	MX A1	Published patent application
MX 9701255	MX A2	Anticipated publication of patent application
MX 2001000039	MX A2	Anticipated publication of patent application
MX 2001000022	MX A4	Regional filing – Jalisco
MX 2002000017	MX A5	Regional filing –Nuevo Leon
MX 2003000002	MX A6	Regional filing – Yucatan
MX 2002000002	MX A7	Regional filing – Guanajuato
MX 242473	MX B	Granted patent (patent law 1991)
NL		
NL 9401585	NL A	OPI application
NL 1004928	NL A1	Registered specification laid open
NL 175138	NL B	Examined accepted specification
NL 142020	NL C	Granted patent
NL 1029590	NL C2	20-year new law granted patent
NL 1030179	NL C6	6-year new law petty patent
NO		
NO 8901308	NO A	OPI application
NO 200004853	NO A	OPI application
NO 171500	NO B	Granted patent
NO 302461	NO B1	Granted patent
NZ		
NZ 554283	NZ A	Examined application
PH		
PH 30144	PH A	Patent application
PH 1199549832	PH B	Granted patent
PH 1199448667	PH B1	Granted patent
PT		
PT 76934	PT A	Application for patent of invention
PT 103113	PT A1	Application for certificate of addition to patent of invention
RD		
RD 440147	RD A	© Kenneth Mason Publications Limited [2008]

Dialog Format	Kind	Kind Definition
RO		
RO 86035	RO A	Examined granted patent
RO 118893	RO B	Granted patent according to 1991 law
RO 121486	RO B1	Granted patent according to 1991 law
RU		
RU 2086364	RU C	Granted patent of invention
RU 2293405	RU C1	Granted patent of invention
RU 2253672	RU C2	Patent, 2 nd publication
RU 2285124	RU C9	Reissued patent specification
SE		
SE 8702558	SE A	OPI application
SE 200700824	SE A	OPI application
SE 467494	SE B	Examined accepted specification
SE 506689	SE C2	Granted patent (new law)
SG		
SG 9400549	SG A	Registration
SG 45465	SG A1	Patent application
SK		
SK 9300244	SK A3	Patent application
SK 200500115	SK A3	Patent application
SK 285319	SK B6	Granted patent
SU		
SU 1664372	SU A	Examined granted patent
SU 1483957	SU A1	Inventor's Certificate
SU 1287678	SU A2	Addition to Inventor's Certificate
SU 1131438	SU A3	Patent
SU 1551233	SU A4	Patent of Addition
SU 953631	SU B	Reissued patent
TP		
TP 129201	TP A	International Technology Disclosure
TW		
TW 323366	TW A	Examined – old law
TW 200303896	TW A	Examined – old law
TW 267850	TW B1	Examined – new law (from 1 Aug 2004)
TW 316401	TW U	Utility model

Dialog Format	Kind	Kind Definition
US		
US 4398634	US A	Examined granted patent (to December 2000)
US 20010031555	US A1	OPI application
US 20050010008	US A2	2nd/subsequent publication of application
US 20050038419	US A9	Corrected published utility patent application
US 3713099	US B	Re-examination certificate (pre 2001)
US 5579669	US B1	Re-examination certificate (pre 2001)
US 7351890	US B1	Utility patent grant (2001-), no pre-grant
US 5381524	US B2	Re-examination certificate (pre 2001)
US 4366382	US B2	Utility patent grant (2001-) - with pregrant
US 4913396	US B3	Re-examination certificate (pre 2001)
US 6007003	US C1	First re-examination certificate (2001-)
US 4726193	US C2	2nd Re-examination publication (2001-)
US 31089	US E	Reissue
US 104803	US H	Defensive specification
US 1035	US H	Statutory Invention Registration
US N6322144	US N	NTIS-published invention application
US N7187804	US N	NTIS-published invention application
WO		
WO 1990001382	WO A	OPI application
WO 1992007455	WO A1	OPI application with Search Report
WO 1992013379	WO A2	OPI application without Search Report
WO 1997045996	WO A3	Search Report for A2
WO 2008013550	WO A8	Amendment to front page data of OPI application
WO 2007126965	WO A9	Republished specification of OPI application
WO 2007050156	WO B1	Second publication of claims of OPI application
ZA		
ZA 8909975	ZA A	Unexamined accepted
ZA 200605736	ZA A	Specification
ZA 199603758	ZA AA	Second application with same number
ZA 19806360	ZA AZ	Second application with same number

Abbreviations used in the table are as follows:

- NTIS - National Technical Information Service
- OPI - Open for Public Inspection
- PCT - Patent Cooperation Treaty

13.3 Application /Priority Number Formats

	DWPI Format	Dialog Format		DWPI Format	Dialog Format
AR	1975AR-000260333	AR 1975260333	IT	1990IT-000009330	IT 19909330
AT	1991AT-000002405	AT 19912405		1991IT-AN0000010	IT 1991AN10
AU	1991AU-000004146	AU 19914146	JP	1992JP-000163744	JP 1992163744
BE	1992BE-000701101	BE 1992701101		2001JP-000337009	JP 2001337009
BR	1992BR-000000108	BR 1992108	KR	1992KR-000013822	KR 199213822
CA	1990CA-000049485	CA 49485	LU	1997LU-000090008	LU 90008
	1991CA-002034163	CA 2034163	MX	1995MX-000000286	MX 1995286
CH	1991CH-000003638	CH 19913638		2003MX-JL0000008	MX 2003JL8
CN	1991CN-000100021	CN 1991100021	NL	1992NL-000000447	NL 1992447
	2004CN-020107087	CN 200420107087	NO	1992NO-000000059	NO 199259
	2000CN-000103651	CN 2000103651	NZ	1996NZ-000280375	NZ 280375
	2003CN-000100007	CN 2003100007	PH	1996PH-000033363	PH 199633363
	2004CN-000062594	CN 200462594	PT	1991PT-000096996	PT 96996
CS	1991CS-000002476	CS 19912476	RD	1992RD-000334026	RD 1992334026
CZ	1993CZ-000001001	CZ 19931001	RO	1992RO-000001434	RO 19921434
DD	1991DD-000336107	DD 336107	RU	1995RU-000113107	RU 1995113107
DE	1970DE-B00087017	DE 1970B87017	SE	1992SE-000000031	SE 199231
	1992DE-004200008	DE 4200008	SG	1995SG-000000013	SG 199513
	2004DE-100012346	DE 102004012346	SK	1997SK-000000010	SK 199710
	2004DE-200013010U	DE 202004013010	SU	1989SU-004747357	SU 4747357
DK	1991DK-000000105	DK 1991105	TP	1992TP-000109204	TP 1992109204
EP	1992EP-000904679	EP 1992904679	TW	2003TW-000118608	TW 2003118608
	2000EP-000102309	EP 2000102309	US	1992US-000493916	US 1992493916
ES	1992ES-000001441	ES 19921441	WO	1992WO-FI0000009	WO 1992FI9
FI	1992FI-000002300	FI 19922300		1992WO-EP0000011	WO 1992EP11
FR	1992FR-000009166	FR 19929166		1992WO-IT0000021	WO 1992IT21
	2000FR-000013835	FR 200013835	ZA	1990ZA-000008527	ZA 19908527
GB	1992GB-000000027	GB 199227		1991ZA-A00008734	ZA 19918734
HU	1991HU-000000306	HU 1991306			
	1979HU-EE0002720	HU 1979EE2720			
IE	1981IE-000001986	IE 19811986			
IL	1991IL-000096973	IL 96973			
IN	2002IN-MU0000754	IN 2002MU754			
	2003IN-DE0001086	IN 2003DE1086			
	2003IN-KO0000268	IN 2003KO268			
	2005IN-CH0000049	IN 2005CH49			
	2002IN-DN0001046	IN 2002DN1046			
	2003IN-KN0000765	IN 2003KN765			
	2002IN-MN0001571	IN 2002MN1571			
	2004IN-CN0000010	IN 2004CN10			

13.4 WIPO Country Codes

Assignment of standard codes is governed by ISO Standard and WIPO committee acceptance.

A

AD	Andorra	AO	Angola
AE	United Arab Emirates	AP	African Reg. Ind. Property Org. (ARIPO) ¹
AF	Afghanistan	AR	Argentina ⁶
AG	Antigua and Barbuda	AT	Austria ^{6,8}
AI	Anguilla	AU	Australia ⁶
AL	Albania ⁹	AW	Aruba
AM	Armenia	AZ	Azerbaijan
AN	Netherlands Antilles		

B

BA	Bosnia and Herzegovina ⁹	BN	Brunei Darussalam
BB	Barbados	BO	Bolivia
BD	Bangladesh	BR	Brazil ⁶
BE	Belgium ^{6,8}	BS	Bahamas
BF	Burkina Faso ¹⁰	BT	Bhutan
BG	Bulgaria ⁸	BV	Bouvet Island
BH	Bahrain	BW	Botswana ¹¹
BI	Burundi	BX	Benelux Trademark / Designs Office ²
BJ	Benin ¹⁰	BY	Belarus
BM	Bermuda	BZ	Belize

C

CA	Canada ⁶	CM	Cameroon ¹⁰
CD	Democratic Rep. of the Congo	CN	China ⁶
CF	Central African Republic ¹⁰	CO	Colombia
CG	Congo ¹⁰	CR	Costa Rica
CH	Switzerland ^{6,8}	CU	Cuba
CI	Cote d'Ivoire ¹⁰	CV	Cape Verde
CK	Cook Islands	CY	Cyprus ⁸
CL	Chile	CZ	Czech Republic ^{6,8}

D

DE	Germany ^{4, 6, 8}	DM	Dominica
DJ	Djibouti	DO	Dominican Republic
DK	Denmark ^{6, 8}	DZ	Algeria

E

EA	Eurasian Patent Organisation ¹	EM	Office for Harmonisation (OHIM)
EC	Ecuador	EP	European Patent Office ^{1, 6}
EE	Estonia ⁸	ER	Eritrea
EG	Egypt	ES	Spain ^{6, 8}
EH	Western Sahara ³	ET	Ethiopia

F

FI	Finland ^{6, 8}	FO	Faroe Islands
FJ	Fiji	FR	France ^{6, 8}
FK	Falkland Islands		

G

GA	Gabon ¹⁰	GM	Gambia ¹¹
GB	United Kingdom ^{6, 8}	GN	Guinea ¹⁰
GC	Coop. Council Arab Gulf States	GQ	Equatorial Guinea ¹⁰
GD	Grenada	GR	Greece ⁶
GE	Georgia	GS	S. Georgia & S. Sandwich Islands
GH	Ghana ¹¹	GT	Guatemala
GI	Gibraltar	GW	Guinea Bissau ¹⁰
GL	Greenland	GY	Guyana

H

HK	Hong Kong	HT	Haiti
HN	Honduras	HU	Hungary ^{6, 8}
HR	Croatia ⁹		

I

IB	International Bureau of (WIPO) 5	IQ	Iraq
ID	Indonesia	IR	Iran (Islamic Republic of)
IE	Ireland ^{6, 8}	IS	Iceland ⁸
IL	Israel ⁶	IT	Italy ^{6, 8}
IN	India ⁶		

J

JM	Jamaica	JP	Japan ⁶
JO	Jordan		

K

KE	Kenya ¹¹	KP	Democratic People's Republic of Korea
KG	Kyrgyzstan	KR	Republic of Korea ⁶
KH	Cambodia	KW	Kuwait
KI	Kiribati	KY	Cayman Islands
KM	Comoros	KZ	Kazakhstan
KN	Saint Kitts and Nevis		

L

LA	Lao People's Democratic Republic	LS	Lesotho ¹¹
LB	Lebanon	LT	Lithuania ⁸
LC	Saint Lucia	LU	Luxembourg ^{6, 8}
LI	Liechtenstein ⁸	LV	Latvia ⁸
LK	Sri Lanka	LY	Libyan Arab Jamahiriya
LR	Liberia		

M

MA	Morocco	MR	Mauritania ¹⁰
MC	Monaco ⁸	MS	Montserrat
MD	Republic of Moldova	MT	Malta
MG	Madagascar	MU	Mauritius
MK	FYR of Macedonia ⁹	MV	Maldives
ML	Mali ¹⁰	MW	Malawi ¹¹
MM	Myanmar	MX	Mexico ⁶
MN	Mongolia	MY	Malaysia
MO	Macau	MZ	Mozambique ¹¹
MP	Northern Mariana Islands		

N

NA	Namibia ¹¹	NO	Norway ⁶
NE	Niger ¹⁰	NP	Nepal
NG	Nigeria	NR	Nauru
NI	Nicaragua	NZ	New Zealand ⁶
NL	Netherlands ^{6, 8}		

O

OA	African Intellectual Property Organization (OAPI) ¹	OM	Oman
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P

PA	Panama	PL	Poland ⁸
PE	Peru	PT	Portugal ^{6,8}
PG	Papua New Guinea	PW	Palau
PH	Philippines ⁶	PY	Paraguay
PK	Pakistan		

Q

QA Qatar

R

RO	Romania ^{6,8}	RW	Rwanda
RU	Russian Federation ⁶		

S

SA	Saudi Arabia	SM	San Marino
SB	Solomon Islands	SN	Senegal ¹⁰
SC	Seychelles	SO	Somalia ¹¹
SD	Sudan ¹¹	SR	Suriname
SE	Sweden ^{6,8}	ST	Sao Tome and Principe
SG	Singapore ⁶	SU	USSR ⁷
SH	St. Helena	SV	El Salvador
SI	Slovenia ⁸	SY	Syrian Arab Republic
SK	Slovakia ^{6,8}	SZ	Swaziland ¹¹
SL	Sierra Leone ¹¹		

T

TC	Turks and Caicos Islands	TN	Tunisia
TD	Chad ¹⁰	TO	Tonga
TG	Togo ¹⁰	TR	Turkey ⁸
TH	Thailand	TT	Trinidad and Tobago
TJ	Tajikistan	TV	Tuvalu
TL	Timor-Leste	TW	Taiwan, Province of China ⁶
TM	Turkmenistan	TZ	United Republic of Tanzania ¹¹

U

UA	Ukraine	UY	Uruguay
UG	Uganda ¹¹	UZ	Uzbekistan
US	United States of America ⁶		

V

VA	Holy See	VG	Virgin Islands (British)
VC	Saint Vincent and the Grenadines	VN	Viet Nam
VE	Venezuela	VU	Vanuatu

W

WO	World Intellectual Property Organization (WIPO) ^{5,6}	WS	WS Samoa
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Y

YE	Yemen	YU	Yugoslavia / Serbia & Montenegro
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Z

ZA	South Africa ⁶	ZW	Zimbabwe ¹¹
ZM	Zambia ¹¹		

Additional Codes used by Thomson Reuters (Scientific)

RD	Research Disclosure © Kenneth Mason Publications Limited [2006] www.researchdisclosure.com
TP	Technology Disclosure ¹²

Notes:

1. Intergovernmental organisations (regional patent offices) acting for certain Contracting States under the PCT (Patent Cooperation Treaty). In the case of the European Patent Office, it also acts as International Searching Authority and International Preliminary Examining Authority under the PCT.
 2. The Benelux Trademark and Designs Offices have replaced the national Offices of Belgium, Luxembourg, and the Netherlands with regard to actions relating to marks and industrial designs.
 3. Provisional name
 4. In the electronic database of the International Register of Marks, the International Bureau of WIPO uses the following additional codes, not part of the active codes: "DD" to designate Germany without the territory that, prior to 03/10/1990, constituted the Federal Republic of Germany; "DT" to designate Germany without the territory that, prior to 03/10/1990, constituted the German Democratic Republic
 5. The code "WO" is used in relation to the international publication under the Patent Cooperation Treaty (PCT) of international applications filed with any PCT receiving office. The code "IB" is used in relation to the receipt of international applications under the PCT filed with the International Bureau of WIPO in its capacity as a PCT receiving office.
 6. Countries covered in *Derwent World Patents Index*
 7. Countries covered in *Derwent World Patents Index* that no longer exist
 8. Member countries of the EPO (European Patent Office)
 9. Extension countries of the EPO (will become members)
 10. Member countries of OAPI (African Intellectual Property Organisation).
 11. Member countries of ARIPO (African Regional Industrial Property Organisation).
 12. TP is used for Technology Disclosure in *Derwent World Patents Index*
-

13.5 Relevance Indicators

Relevancy indicators, or category codes, are applied by examiners during the examination process to indicate the level of relevance of the documents cited in the search report to the published application.

The following indicators are included in PCI.

- A Document defining the general state of the art which is not considered to be of particular relevance
 - D Document cited in application
 - E Earlier document but published on or after the international filing date
 - L Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 - O Document referring to an oral disclosure, use, exhibition, or other means
 - P Document published prior to the international filing date but later than the priority date claimed
 - T Later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 - X Document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 - Y Document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
-

13.6 List of Search Qualifiers

Patent families

Application country and kind	AC=
Application date	AD=
Application month	AM=
Application number	AN=
Application year	AY=
Country code (PC and DS)	CC=
Designated states	DS=
<i>DWPI</i> Title	/TI
Filing details	FD=
Filing details notes text	FT=
Inventor	AU=
Language	LA=
Number of countries	NC=
Number of patents	NP=
Patent assignee	PA=
Patent assignee code	PA= /FF
Patent assignee status	AF=
Patent country	PC=
Patent country (Basic)	PC= /PB
Patent country and kind	PC=
Patent country and kind (Basic)	PC= /PB
Patent number (Basic)	PN= /PB
Patent number (Family)	PN=
Priority country and kind	PR=
Priority date	PR=
Priority month	PR=
Priority number	PR=
Priority year	PR=
Publication date	PD=
Publication date (Basic)	PD= /PB
Publication month	PM=
Publication month (Basic)	PM= /PB
Publication year	PY=
Publication year (Basic)	PY= /PB

Citations

Citation type	RT=
Cited patent number	CT=
Cited patent family member	PN= /CT
Cited patent relevance indicator	RI= /CT
Cited inventor	IV= /CT
Citing patent number	CG=
Citing patent family member	PN= /CG
Citing patent assignee and code	CO= /CG
Citing patent relevance indicator	RI= /CG
Citing inventor	IV= /CG
Field of search	FS=
PCI update when citing patent added	DW=

Citations and Families

Inventor (All)	IV=
Patent assignee (All)	CO=
Patent assignee code (All)	CK=
Patent number (All)	PP=

Accession Numbers

DWPI accession number (Main)	AA=
DWPI accession number (All)	AX=
Cited patent DWPI accession number	RX= /CT
Citing patent DWPI accession number	RX= /CG

Updates

Update – equivalents	UE=
Update – all additions & changes	UD=
Update – new PCI record	UB=
Update – citing patents	UG=

13.7 Display and Print Formats

Predefined formats

No.	Dialogweb	
1	-	Dialog accession number
2	-	Bibliographic data for patent family plus cited references
3	Medium	Bibliographic data for patent family only
4	-	Full record with tagged fields
5	Long	Full record
6	Free	Dialog and main <i>DWPI</i> accession numbers and partial <i>DWPI</i> title
7	-	Bibliographic data for patent family plus citing references
8	-	Dialog and main <i>DWPI</i> accession numbers, record type and patent family count
9	Full	Full record
11	-	Dialog and main <i>DWPI</i> accession numbers
26	Short	Dialog and main <i>DWPI</i> accession number and full <i>DWPI</i> title
29	-	Full title plus cited and citing references

Bibliographic data consists of the Dialog accession number, the main *DWPI* Accession Number, the full *DWPI* title, patent assignees, inventors, the patent family table, priority application data and filing details for family members.

User defined formats

Patent Family Fields

Patent Family Fields	Display code
Application details	AN (AC, AD, AM,
Basic patent details	PB
Designated states	DS
<i>DWPI</i> Title	TI
Filing details	FD (FT)
Inventor	AU
Main <i>DWPI</i> accession number	AA
No. of patents/countries in family	NP (NC)
Patent assignee and code	PA
Patent family details	PN (PC, PD, PM,
Patent family table and priority data	PI
Priority details	PR

Citation Fields

Cited patent information	CT
Cited literature information	RF
Citing patent information	CG