



PATENTS CITATION INDEXTM

STN[®] online user guide

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Edition 1

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1 Introduction

For over fifty years, Thomson Scientific, 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 the Scientific and Technical Information Network (STN). Patents Citation Index is provided on STN International by FIZ Karlsruhe GmbH, Germany. Introductory chapters are followed by sections detailing the search and display fields available within PCI.

STN® is operated jointly by CAS and FIZ Karlsruhe worldwide and is represented in Japan by JAICI. With these three scientific organizations in the U.S., Europe and Japan, which have many years of experience in the field of scientific information, STN provides an international service for the scientific community. Since its start more than 20 years ago STN has become the leading information network for sci-tech and patent information.

FIZ Karlsruhe, the European partner of STN International, provides over half of the databases available on STN. Amongst others, this includes Derwent World Patents Index, World Patents Index First ViewSM, GENESEQTM and Patents Citation IndexTM.

For further information concerning Patents Citation Index and other information services offered by Thomson Scientific, please contact your local office or visit the Thomson Scientific website at scientific.thomson.com.

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STN

Europe

STN International Europe
Help Desk
P.O. Box 2465
D-76012 Karlsruhe, Germany

Phone: +49 7247 808 555
Fax: +49 7247 808 259
Email: helpdesk@fiz-karlsruhe.de

North America

STN North America
Help Desk
P.O. Box 3012
Columbus, OH 43202-0012, USA

Phone: +1 614 447 3700
Fax: +1 614 447 3751
Email: help@cas.org

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

```

AN    2003-279152 [27]   PCI
TI    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
IN    FRIEDE P
PA    (ALFI-N) ALFILL ENG GMBH & CO KG; (FRIE-I) FRIEDE P; (KHSK-N) KHS AG;
      (KHS-A-N) KHS MASCH & ANLAGENBAU AG
CYC   80
PI    WO 2003024860     A1 20030327 (200327)* DE 9[4]
      DE 10145803       A1 20030410 (200332) DE
      DE 10145803       C2 20031002 (200366) DE
      EP 1427666        A1 20040616 (200439) DE
      AU 2002362363     A1 20030401 (200452) EN
      US 20040231748    A1 20041125 (200478) EN
      US 6830084        B1 20041214 (200501) EN
      EP 1427666        B1 20060510 (200634) DE
ADT   AU 2002362363 A1 AU 2002-362363 20020913; DE 10145803 A1 DE 2001-10145803
      20010917; DE 10145803 C2 DE 2001-10145803 20010917; EP 1427666 A1 EP
      2002-798719 20020913; EP 1427666 A1 WO 2002-EP10293 20020913; EP
      1427666 B1 EP 2002-798719 20020913; EP 1427666 B1 WO 2002-EP10293
      20020913; US 20040231748 A1 WO 2002-EP10293 20020913; US 20040231748
      A1 US 2004-489754 20040316; US 6830084 B1 WO 2002-EP10293 20020913; US
      6830084 B1 US 2004-489754 20040316; WO 2003024860 A1 WO 2002-EP10293
      20020913
FDT   AU 2002362363 A1 Based on WO 2003024860 A; EP 1427666 A1 Based on WO
      2003024860 A; EP 1427666 B1 Based on WO 2003024860 A; US 6830084 B1
      Based on WO 2003024860 A
PRAI  DE 2001-10145803      20010917
CTCS  CITATION COUNTERS
-----
PNC.DI    3      Cited Patents Count (by inventor)
PNC.DX    12     Cited Patents Count (by examiner)
IAC.DI    1      Cited Issuing Authority Count (by inventor)
IAC.DX    3      Cited Issuing Authority Count (by examiner)

PNC.GI    1      Citing Patents Count (by inventor)
PNC.GX    2      Citing Patents Count (by examiner)
IAC.GI    1      Citing Issuing Authority Count (by inventor)
IAC.GX    1      Citing Issuing Authority Count (by examiner)

CRC.I     1      Cited Literature Reference Count (by inventor)
CRC.X     2      Cited Literature Reference Count (by examiner)

OSC.DX    6      Cited Patent WPI Accession Number Count (by examiner)
OSC.DI    2      Cited Patent WPI Accession Number Count (by inventor)
OSC.GX    2      Citing Patent WPI Accession Number Count (by examiner)
OSC.GI    1      Citing Patent WPI Accession Number Count (by inventor)
EXF      EXAMINERS FIELD OF SEARCH
-----
NCL      US 6830084 B1
          134169R000; 141144-152000; 14185-93000
IC       DE 10145803 A1
          B08B009-42; B67C003-24; B67C007-00
          DE 10145803 C2
          B67C003-24; B67C007-00

```

CDP Cited Patents

Citing Publication	By	Cat	Cited Patent	Accession Number
DE 10145803 A1	Ex		DE 29713155 U1	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex		EP 758624 A1	1997-134738
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C; BONETTI L		
DE 10145803 C2	Ex		DE 696569 C	
	Ex		DE 29713155 U1	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex		EP 405402 A	1991-008784
	PA:	(TOXO-C)	TOYO SEIKAN KAISHA LTD	
	IN:	YAMAGUCHI K; NOZAWA E; TAKAMORI S; IIOKA T; KAGA Y; WATANABE M		
	Ex		EP 758624 A1	1997-134738
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C; BONETTI L		
EP 1427666 A1			no citations	
EP 1427666 B1	Ex		EP 72354 A	1983-17962K
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C		
	Ex		EP 405402 A	1991-008784
	PA:	(TOXO-C)	TOYO SEIKAN KAISHA LTD	
	IN:	YAMAGUCHI K; NOZAWA E; TAKAMORI S; IIOKA T; KAGA Y; WATANABE M		
	Ex		EP 893396 A1	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex		US 3670786 A	
US 6830084 B1	Ex		DE 29713155 U1	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex		EP 405402 A	1991-008784
	PA:	(TOXO-C)	TOYO SEIKAN KAISHA LTD	
	IN:	YAMAGUCHI K; NOZAWA E; TAKAMORI S; IIOKA T; KAGA Y; WATANABE M		
	Ex		EP 758624 A1	1997-134738
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C; BONETTI L		
	Ex		US 3670786 A	
	Ex		US 4489769 A	1983-17962K
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C		
	Ex		US 6026867 A	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex		US 6481468 B1	2000-571826
	PA:	(STEU-N)	STEUBEN FOODS INC	
	IN:	TAGGART T D		
	Ex		US 6755224 B2	2004-037089
	PA:	(SHIK-N)	SHIKOKU KAKOKI CO LTD	
	IN:	TAWA S; MIFUME T; MIKI T; UEDA M		
WO 2003024860 A	Ex	X	EP 72354 A	1983-17962K
	PA:	(ROSS-N)	ROSSI & CATELLI SPA	
	IN:	CATELLI C		
	Ex	A	EP 405402 A	1991-008784
	PA:	(TOXO-C)	TOYO SEIKAN KAISHA LTD	
	IN:	YAMAGUCHI K; NOZAWA E; TAKAMORI S; IIOKA T; KAGA Y; WATANABE M		
	Ex	A	EP 893396 A	1998-482376
	PA:	(KROE-C)	KRONES KRONSEDER MASCHFAB AG H	
	Ex	A	US 3670786 A	

In DE 19911517 A 2000-603130
 PA: (METT-I) METTE M
 IN: METTE M
 In DE 696569 C
 In DE 19835369 C 1999-563020
 PA: (METT-I) METTE M
 IN: METTE M

REN Literature Citations

 Citing Publication By Cat Literature Reference

 DE 10145803 C2 Ex RAMMERT, Markus: Keimarme Kaltfuellung stiller Getraenke. In: Getraenkeindustrie 8/96, S. 500-505
 EP 1427666 A1 Ex See references of WO 03024860A1
 WO 2003024860 A In RAMMERT, MARKUS: 'Keimarme Kaltfuellung stiller Getraenke' GETRONKEINDUSTRIE Nr. 8, 1996, Seiten 500 - 505

CGP Citing Patents

 Cited Publication By Cat Citing Patent Accession Number

 DE 10145803 A1 In EP 1514835 A1 2005-235162
 PA: (KHS-A-N) KHS MASCH & ANLAGENBAU AG
 IN: TILL V
 US 6830084 B1 Ex US 7165582 B2 2005-015085
 PA: (KHS-A-N) KHS MASCH & ANLAGENBAU AG
 IN: TILL V
 WO 2003024860 A1 Ex US 7121062 B2 2005-235162
 PA: (KHS-A-N) KHS MASCH & ANLAGENBAU AG
 IN: TILL V

5 Basic Index

5.1 Thomson Scientific Title

Qualifiers

Search	None, /BI, /TI
Display	TI
Select	TI

Content

The Basic Index in PCI comprises the Thomson Scientific 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 (/TI) and in the basic index.

Searching

Combine single words with Boolean and/or proximity operators. (W) proximity is implied if no operator is input.

Simultaneous left and right truncation (SLART) is available (note that the truncated stem must be at least 4 characters for left truncation).

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.

Plurals and abbreviations can be automatically searched on STN using the following SET commands:

```
SET PLURALS ON  
SET ABBREVIATIONS ON
```

Select

TI is the default field code for SELECT. If no other field is specified, single words from the title are selected automatically.

6 Accession Numbers

6.1 Accession Numbers

Qualifiers

Search	/AN
Display	AN
Select	AN

Content

All records in PCI are assigned unique Derwent World Patent Index (DWPI) accession numbers corresponding to the record in DWPI.

Each number comprises a 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

Accession numbers can be searched with or without the hyphen, both with a 2-digit or a 4-digit year

```
=> S 2008-A02767/an
L1      1 2008-A02767/AN

=> S 08A02767/an
L2      1 08A02767/AN
        (2008-A02767/AN)
```

Select

Accession numbers are selected without the hyphens retained.

7 Companies and Inventors

7.1 Patent Assignee

Qualifiers

Search	/PA, /CS
Display	PA, CS
Select	PA, CS, PAX

Content

The Patent Assignee field comprises the full name of the assignee, up to 40 characters long, and the 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 patent were recorded. 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 has been indexed as a 'Sentence' and implied (S) proximity is available. This means a blank between search terms is automatically treated as (S).

Select

PA and CS select the patent assignee names only.

PAX selects both the patent assignee code and name together.

7.2 Patent Assignee Code

Qualifiers

Search	/PACO
Display	PA
Select	PACO, PAX

Content

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 to each Basic record. 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. These standard codes are displayed with the suffix -C.

Standard patent assignee codes appear in the Patent Assignee Codes user guide and are searchable on the Thomson Scientific website (<http://www.scientific.thomson.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 Scientific.

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	AAA-N AAAA-N	197001 to 197402 197403 to date
Russian(Soviet) Organisations	R	AAA-R AAAA-R	197001-197402 197403 to date
Individuals	I	AAA-I AAAA-I	197001 to 197402 197403 to date

Searching

Standard Company Codes can be searched with or without the -C suffix. Non-standard codes require the appropriate suffix.

Patent Assignee Code Dictionary Online

The list of company codes for patent assignees matched with company names is available online in PCI. This allows easy and comprehensive identification of the company names associated with a code, or the code(s) used for a company name. Expanding in field /PACO provides the alphabetical list of codes, single words and the full name from the company field (/PA). Each code is listed with its associated terms (AT) in the dictionary.

```
=> E KODAK+ALL/PACO
E1          0  -->  KODAK/PACO
E2          24390  CODE EAST-C/PACO
***** END *****

=> E EAST-C+DEF/PACO
E1          24390  -->  EAST-C/PACO
E2          DEF  CANADIAN KODAK/PACO
E3          DEF  EASTMAN KODAK CO/PACO
E4          DEF  EASTMAN KODAK JAPAN KK/PACO
E5          DEF  EASTMAN TECHN INC/PACO
E6          DEF  KODAK AG/PACO
E7          DEF  KODAK AUSTRALASIA PTY LTD/PACO
E8          DEF  KODAK BET-GMBH/PACO
E9          DEF  KODAK BRASILEIRA COMERCIO & IND LTD/PACO
.
.
.
***** END *****
```

Select

PACO selects the patent assignee codes only.

PAX selects both the patent assignee code and name together.

7.3 Inventor

Qualifiers

Search	/IN, /AU
Display	IN, AU
Select	IN

Content

From update 197804 up to three inventor names were indexed from the Basic patent. From 1980, up to eight inventors have been added, with the exception of Soviet or Russian, for which only three inventor names were indexed. In this time period the family name was limited to 19 characters and the number of initials to 3.

Since update 199216, any number of inventors may be listed, 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 Surname A B C/IN (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.

Punctuation within names, such as an apostrophe or hyphen, is displayed in names but not used in the index so does not appear in expand lists.

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.

Select

Inventors can be selected as a bound phrase from answer sets with the SELECT IN command.

8 Patent Families

8.1 Patent Number

Qualifiers

Search	/PN, /PN.B
Display	PN, PI, PN.B, PI.B
Select	PN, PN.B

Content

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

Searching

Patent (or publication) numbers are searchable in both Derwent and STN formats.

The Derwent format comprises a 12 character alphanumeric sequence. If there are fewer than 12 digits in the patent number, hyphens are inserted between the two-letter country code and the number to bring the total up to 12 characters.

The STN format is of variable length and does not include hyphens after the two-letter country code. The flexibility of STN means that searches can be undertaken in either format.

Full details of the patent number formats in PCI can be found in Appendix 13.3.

Please note that Expand lists contain the patent numbers in STN format only. The only exception concerns Japanese B-type documents, where both formats are available in the expand lists.

Searches can be restricted to Basic patent numbers only using the /PN.B search code.

Patent numbers are also searchable using /PATS, which includes information from the filing details (/FDT).

Select

SELECT PN (PN.B) results in a list of patent numbers without their kind code.

The number format defined with SET PATENT (either Derwent or STN) is used with the SELECT and SORT commands.

8.2 Patent Country

Qualifiers

Search	/PC, PC.B, /PCS
Display	PN, PI, PN.B, PI.B
Select	PC, PC.B, PCS

Content

The Patent Country is a two-letter country code which is part of the patent number for every patent issuing authority (see Appendix 13.5 for a full listing). In addition the full country name in WIPO standard is included in this field.

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)

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

To restrict the search to the country of the Basic patents, the PC.B qualifier should be used.

Select

SELECT PC (PC.B) results in a list containing the country codes for all family members.

SELECT PC.B results in a list containing the country codes for all Basic patents.

SELECT PCS selects from both patent countries and designated states and adds the search field code /PCS, entries from DS being selected without their designation codes.

8.3 Patent Kind Code

Qualifiers

Search	/PK, /PK.B
Display	PN, PI, PN.B, PI.B
Select	PK, PK.B

Content

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.

Appendix 13.3 contains definitions of all the kind codes used in PCI.

Searching

As patent kind codes have a country-specific meaning they are usually searched with the preceding country code. Only the complete code has been indexed (e.g. country code plus kind code).

So for example to retrieve all European kind A publications truncation should be used:

```
=> S EPA?/PK  
L1      1744956 EPA?/PK
```

To restrict the search to the Basic patent, the PK.B qualifier should be used.

The patent kind code is linked by (P) proximity to the other corresponding patent and application information.

Select

Selecting the patent kind codes results in a list containing patent country and kind codes combined (e.g. EPA1, EPA2 etc.)

8.4 Designated States

Qualifiers

Search	/DS, /PCS
Display	DS
Select	DS, PCS

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 PCT S W: GB/DS

Regional PCT S RW: BE/DS

Regional EP S R: BE/DS

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

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

Designated states are not included in any default displays. They are included in the PI display but not as part of the simplified PN display.

Select

Select DS selects each country code from the DS field preceded by the respective designation code (e.g. RW: AT).

Select PCS selects both the patent countries and the designated states without the designation code.

8.5 Patent Family Counts

Qualifiers

	Patents	Countries
Search	/PNC	/CYC
Display	PNC	CYC
Select	PNC	CYC

Content

Number of Patents

This gives a count of the number of documents in the family including EP and PCT (WO). The PNC field is incremented accordingly as new equivalents are added to a record, including individual counts from different document kinds, e.g. EP-A2, -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 /PNC and /CY fields are numerically searchable fields. Range-searching is also available.

8.6 Publication Language

Qualifiers

Search Qualifier	/LA
Display Qualifier	PI, PN
Select Qualifier	LA

Content

The language is indicated for all patents. 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 (P) proximity to the corresponding patent information.

8.7 Publication Type

Qualifiers

Search	/PT
Display	-
Select	-

Content

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

Basic (*)	New invention not previously seen by Thomson Scientific
Equivalent	Document covers the same invention as a Basic
Non-Convention Equivalent (#)	Document is equivalent but not linked by priority
Equivalent Treated As Basic (B)	Document is equivalent to a Basic which has not had the full abstracting / indexing treatment in Derwent World Patents Index. Abstracting / Indexing is applied from the Equivalent document

Searching

To search for the various types of document the following terms should be used:

Basic
 Equivalent
 Equivalentasbasic
 Equivalentnonconvention

```
=> s l1 and equivalentasbasic/pt
      34858 EQUIVALENTASBASIC/PT
L2      415 L1 AND EQUIVALENTASBASIC/PT
```

8.8 Application Number

Qualifiers

Search	/AP, /APPS
Display	ADT, ADT.B, AI, AI.B, AP
Select	AP

Content

Application numbers have been recorded since early 1984 (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 update 199216 however, all application information is recorded.

Where available, application information appears on the same line as the patent numbers to which they belong in the expanded patent data table.

Searching

Application numbers are searchable either in Derwent or STN formats.

The Derwent format comprises the four-digit year, the country code and a nine or twelve digit serial number (sometimes containing letters): **YYYYCC-NNNNNNNNNnnn**

For US provisional numbers, a P is appended after the nine-digit serial: **YYYUS-NNNNNNNNNP**

The STN format comprises the country code, the four-digit year and a variable length serial number (sometimes containing letters): **CCYYYY-nnnnnnnnnn**

Also in the case of US provisional numbers, a P is appended after the serial number.

Please note that expand lists contain application numbers in STN format only.

Appendix 13.4 contains a list of all formats used for application numbers.

Application numbers are also searchable, together with priority application numbers, in the Application Number Group search field /APPS. EXPAND is not possible for field code /APPS, use /AP, PRN instead.

Select

The SELECT command automatically uses application numbers in the format defined by SET PATENT (STN format is the default).

8.9 Application Country

Qualifiers

Search	/AC
Display	ADT, ADT.B, AI, AI.B, AP
Select	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 13.5 for a full listing). In addition the full country name in WIPO standard is included in this field.

Non-priority application data is included from update 198409.

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) and (P) proximity to the other application information regarding the same application.

(P) proximity also links the patent information displayed in ADT.

Select

SEL AC selects the application country codes.

8.10 Application Type

Qualifiers

Search	/APT
Display	ADT, ADT.B, AI, AI.B, AP
Select	-

Content

Notes giving more information on the type of application may also be available. Possible values for these application notes include:

Note	Definition
Add to	Addition to
Application No	Application Number
CIP of	Continuation-in-part of
Cont of	Continuation of
Derived from	Derived from
Div ex	Division from
Div util	Division from Utility
Previous Appln	Previous application
Provisional	Provisional
Related to	Related to
Subst for	Substitution for
Supp Discl	Supplementary disclosure

Searching

The application notes text is searchable as a bound phrase using /APT (Application Notes Type).

```
=> S ADD TO/APT
    L1 1074 ADD TO/APT

=> D ADT
L1 ANSWER 1 OF 1074 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ADT ES-----2224854 A1 Add to 2001ES-000000313 20010213; ES-----
2224854 A1 2003ES-000001345 20030606
```

8.11 Priority Number

Qualifiers

Search	/PRN
Display	PRAI, PRN
Select	PRAI

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 (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 8.8)

Select

SELECT PRAI results in a list of priority numbers in the number format defined by SET PATENT (either Derwent or STN). The field code appended is /PRN as PRAI is not a valid search field code.

8.12 Priority Country

Qualifiers

Search	/PRC
Display	PRAI, PRN
Select	-

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 13.5 for a full listing). In addition the full country name in WIPO standard is included in this field.

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.

8.13 Filing Details

Qualifiers

Search	/FDT, /FDT.PK, /FDT.PC, /FDT.PN, /FDT.TP
Display	FDT
Select	FDT

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 be available are related patent numbers and filing notes about divisions, continuations and other relationships

Possible values for filing notes include:

Filing Note	Definition
Add in	Addition in
Add to	Addition to
Based on	Based on
CIP of	Continuation-in-part of
CMEA No	Council of Mutual Economic Assistance Number
Cont of	Continuation of
Div ex	Division from
Div in	Division in
Importation of	Importation of
Previous Publ	Previously published as
Reissue of	Reissue of
Related to	Related to

Searching

Patent Country and Patent Kind can be specifically searched in /FDT.PC and /FDT.PK respectively.

Patent numbers are searchable in Derwent and STN formats (see Appendix 13.3) and can be searched in either /FDT and /FDT.PN. This additional patent number information is also linked by (P) proximity to the corresponding family patent number.

Patent numbers of the Filing Details field are additionally searchable in /PATS which contains patent numbers from /FDT and /PN. EXPAND is not valid for /PATS, use the separate field codes instead.

The text of the filing notes is searchable in /FDT.TP.

Select

SELECT FDT creates a list in the number format defined by SET PATENT (either Derwent or STN).

9 Date Searching

STN has facilitated searching dates, e.g. update dates or publication dates, by allowing date input in several formats.

Date specifications may use ranges and numeric operators. The date itself can be in any of the following general formats:

YYYYMMDD

MM/DD/YYYY or MM/YYYY

DD.MM.YYYY or MM.YYYY

or in textual expression e.g.:

February 10, 1987	Feb 1989
Feb. 10, 1987	1990
Feb. 10, 2000	1998 - 2001
Feb 10, 1987	July 1997 - May 2002
10 February 1987	March 5 - 8, 1990
10 Feb 2007	April - June, 1999

The system will automatically edit your input into the format that is indexed. This is shown in the line below the L-numbered result:

```
=> S FEB 10, 1997/PD
L1      3731 FEB 10, 1997/PD
          (19970210/PD)

=> S MAY 1999 - DECEMBER 1999/PRD
L2      284891 MAY 1999 - DECEMBER 1999/PRD
          (19990500-19991299/PRD)
```

9.1 Publication Date

Qualifiers

Search	/PD, /PD.B, /PD.F, /PY, /PY.B
Display	PN, PI, PN.B, PI.B
Select	PD, PD.B, PY, PY.B

Content

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

Searching

Publication dates are searched using the format YYYYMMDD or one of the other STN Date Edit formats. The format YYYYMMDD is indexed and available in expand lists.

The publication date field is range searchable, as shown in the following example:

```
S 1 SEPT 2000 - 1 OCT 2000/PD
```

When time ranges larger than one year have to be searched, the publication year (/PY) field is preferable to publication date, to reduce processing time

```
S 200-2005/PY
```

The publication date is linked by (P) proximity to the other corresponding patent information.

Searches can be restricted to the publication date of basic patents only by using the search field code /PD.B and the first publication date using /PD.F.

Select

SELECT PD results in a list including all publication dates in format YYYYMMDD.

SELECT PD.B in a list of basic patent publication dates only.

SELECT PY (PY.B) results in a list of publication years in format YYYY.

9.2 Priority Date

Qualifiers

Search	/PRD, /PRY, /PRDF, /PRYF, /PRN.YR
Display	PRAI, PRN
Select	PRD, PRDF, PRY, PYF

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.

Searching

Priority dates are searched using the format YYYYMMDD or one of the other STN Date Edit formats. The format YYYYMMDD is indexed and available in expand lists.

The priority date field is range searchable, as shown in the following example:

```
S 1 SEPT 2000 - 1 OCT 2000/PRD
```

When time ranges larger than one year have to be searched, the priority year (/PRY) field is preferable to priority date, to reduce processing time

```
S 200-2005/PRY
```

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

The earliest priority date and year can be searched using the qualifiers /PRDF and /PRYF respectively.

There is also a year element associated with the priority number itself. In rare situations this may differ from the priority date. It is searchable separately using the /PRN.YR qualifier.

Select

SELECT PRD and PRDF results in a list including all priority dates in format YYYYMMDD

SELECT PRY and PRYF results in a list including all priority years in format YYYY

9.3 Application Date

Qualifiers

Search	/AD, /AY, /AP.YR
Display	ADT, AI
Select	AD

Content

Application dates are entered as a four-digit year, two-digit month, and a two-digit day (YYYYMMDD).

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

Searching

Application dates are searched using the format YYYYMMDD or one of the other STN Date Edit formats. The format YYYYMMDD is indexed and available in expand lists.

The application date is tied by (S) and (P) proximity to the other information belonging to the same application.

The application date field is also range searchable. For time ranges larger than one year, use of /AY instead of /AD is advisable to reduce search time.

There is also a year element associated with the application number itself. In some situations this may differ from the application date, for example when there has been a continuation, division etc. It is searchable separately using the /AP.YR qualifier.

Select

The application date is selected in format YYYYMMDD.

10 Citation Data

10.1 Cited Patents

Qualifiers

Citing family member data

Patent Number	/PN.F
Patent Kind Code	/PK.F
Patent Country	/PC.F

Cited patent data

Patent Number	/PN.D, /PN.DX, /PN.DI
Patent Kind Code	/PK.D, /PK.DX, /PK.DI
Patent Country	/PC.D, /PC.DX, /PC.DI
Cited WPI accession number	/OS.D, /OS.DX, /OS.DI
Cited Patent Assignee	/PA.D, /PA.DX, /PA.DI
Cited Patent Assignee code	/PACO.D, /PACO.DX, /PACO.DI
Cited Inventor	/IN.D, /IN.DX, /IN.DI
Category (Examiner's relevance indicator where available)	/CAT.D

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.

The patent citations as published in the patent specification can be displayed with CDP (Cited Patents) or CDPB (Cited Patents Brief). The format CDP.B will only display the cited patents for the basic patent publication in the family.

As citations can be assigned by examiners or inventors, this is indicated in the CDP, CDPB and CDP.B displays by 'Ex' or 'Inv'

Searching

All data relating to an individual citation is linked using the (P) operator.

Patent numbers are all in standardised format as detailed in Appendix 13.3 and values for the Examiner's relevance indicator are given in Appendix 13.6. Appendix 13.8 details display formats.

Select

Many cited patent numbers may not be in other databases, e.g. DWPI as they may be very old or from countries not covered (see appendix 13.9 for a list of qualifiers).

10.2 Citing Patents

Qualifiers

Cited family member data

Patent Number	/PN.F
Patent Kind Code	/PK.F
Patent Country	/PC.F

Citing patent data

Patent Number	/PN.G, /PN.GX, /PN.GI
Patent Kind Code	/PK.G, /PK.GX, /PK.GI
Patent Country	/PC.G, /PC.GX, /PC.GI
Cited DWPI accession number	/OS.G, /OS.GX, /OS.GI
Cited patent assignees	/PA.G, /PA.GX, PA.GI
Cited patent assignee codes	/PACO.G, /PACO.GX, /PACO.GI
Cited inventors	/IN.G, /IN.GX, /IN.GI
Category (Examiner's relevance indicator where available)	/CAT.G

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.

The citing patents can be displayed with CGP (Citing Patents) or CGPB (Citing Patents Brief). The format CGP.B will only display the citing patents for the basic patent publication in the family.

As citations can be assigned by examiners or inventors, this is indicated in the CGP, CGPB and CGP.B displays by 'Ex' or 'Inv'

Searching

All data relating to an individual citation is linked using the (P) operator.

Patent numbers are all in standardised format as detailed in Appendix 13.3 and values for the Examiner's relevance indicator are given in Appendix 13.6. Appendix 13.8 details display formats.

Select

All data is indexed such that it can be selected for use in DWPI for example (see appendix 13.9 for a list of qualifiers).

10.3 Literature References

Qualifiers

Citing family member data

Patent Number	/PN.F
Patent Kind Code	/PK.F
Patent Country	/PC.F

Cited literature

Reference parsed into single words	/REN.D, /REN.DX, /REN.DI
Category (Examiner's relevance indicator where available)	/RENC

Content

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

They can be displayed with REN (Referenced Non-Patent Literature) or RENB (Referenced Non-Patent Literature Brief). The format REN.B will only display the literature citations from the Basic patent publication in the family.

Searching

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

All data relating to an individual citation is linked using the (P) operator. Single words from the reference can be linked with Sentence (S) or Word (W) proximity operators.

Appendix 13.8 details display formats.

Select

All data is indexed such that it can be selected - see appendix 13.9 for a list of qualifiers.

10.4 Citation Counts

Qualifiers

Cited Information Counts	Search	Display
Cited Patents	/PNC.D	PNC.D
Cited Patents by inventor	/PNC.DI	PNC.DI
Cited Patents by examiner	/PNC.DX	PNC.DX
Cited Literature Reference by inventor	/CRC.I	CRC.I
Cited Literature Reference by examiner	/CRC.X	CRC.X
Cited Issuing Authority by inventor	/IAC.DI	IAC.DI
Cited Issuing Authority by examiner	/IAC.DX	IAC.DX
Cited Patent DWPI Accession Number	/OSC.D	OSC.D
Cited Patent DWPI Accession Number by examiner	/OSC.DX	OSC.DX
Cited Patent DWPI Accession Number by inventor	/OSC.DI	OSC.DI

Citing Information Counts	Search	Display
Citing Patents	/PNC.G	PNC.G
Citing Patents by inventor	/PNC.GI	PNC.GI
Citing Patents by examiner	/PNC.GX	PNC.GX
Citing Issuing Authority by inventor	/IAC.GI	IAC.GI
Citing Issuing Authority by examiner	/IAC.GX	IAC.GX
Citing Patent WPI Accession Number	/OSC.G	OSC.G
Citing Patent DWPI Accession Number by examiner	/OSC.GX	OSC.GX
Citing Patent DWPI Accession Number by inventor	/OSC.GI	OSC.GI

Content

Citation counts are provided to give an overview of the citations available for a patent family in PCI. These are updated as new data is added to the record.

Searching

All the counts can be searched as numbers in each field.

There are several formats available for display of the citation counters:

CTCS	Complete set of counts	CGPC	Citing information counts
CTS	Abbreviated set of counts	REC	Literature citation counts
CDPC	Cited information counts		

Select

All individual codes are available for Select (see appendix 13.9 for a list of qualifiers).

10.5 Examiner's Field of Search

Qualifiers

Search	IC.F, NCL.F
Display	EXF, EXFB
Select	IC.F, NCL.F

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

The IPCs used by the examiner can be searched for using /IC.F. Please note that the format of these codes is as appeared on the original document and may not always comply with standardised formats.

The USClasses used by the examiner can be searched for using /NCL.F. Formatting and indexing has been done according to STN standards as far as possible.

Select

SEL NCL.F and SEL IC.F takes the classes in the same format as displayed and may not conform with standardised formats in other databases.

11 PCI Updates

11.1 Update Dates

Qualifiers

Search	/ED, /UP, /UPP
Display	ED, UP, UPP
Select	ED, UP, UPP

Content

Update dates 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 and records may include all of the update dates. The latest update dates are displayed in the PCI banner message.

Entry Date (/ED)

All new records added to PCI are given an entry date to indicate when they were added to the file. Use this field code to restrict a search to new families containing citation references.

Update Date (/UP)

The update date is created every time a new record is added or a record is amended

Patent Family Update (/UPP)

All family members are given an update date to indicate when they were added to the file.

Searching

All the Update fields are searched using the formats YYYYMMDD or one of the other STN Date Edit formats. The YYYYMMDD format is indexed and available in expand lists.

Select

Select results in a list including all dates in format YYYYMMDD.

12 Citation Search Examples

12.1 Finding citations for a given patent

WO2006060280 (*DWPI* accession number 2006-401354) has been identified as a patent publication where we want information on the cited publications. By entering the patent number or *DWPI* accession number the corresponding PCI record is retrieved.

```
=> FILE PCI
FILE 'PCI' ENTERED AT 12:21:01 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE LAST UPDATED:           18 FEB 2008   <20080218/UP>
FILE COVERS 1973 TO DATE

=> S 2006-401354/AN
L1           1 2006-401354/AN
```

In this case the citation counters have been displayed initially to see how many citations are available for this record:

```
=> D CTCS

L1 ANSWER 1 OF 1 PCI COPYRIGHT 2008 THE THOMSON CORP on STN

CTCS CITATION COUNTERS

PNC.DI  0      Cited Patents Count (by inventor)
PNC.DX  3      Cited Patents Count (by examiner)
IAC.DI  0      Cited Issuing Authority Count (by inventor)
IAC.DX  2      Cited Issuing Authority Count (by examiner)

PNC.GI  0      Citing Patents Count (by inventor)
PNC.GX  3      Citing Patents Count (by examiner)
IAC.GI  0      Citing Issuing Authority Count (by inventor)
IAC.GX  1      Citing Issuing Authority Count (by examiner)

CRC.I   0      Cited Literature Reference Count (by inventor)
CRC.X   3      Cited Literature Reference Count (by examiner)

OSC.DX  3      Cited Patent WPI Accession Number Count (by examiner)
OSC.DI  0      Cited Patent WPI Accession Number Count (by inventor)
OSC.GX  3      Citing Patent WPI Accession Number Count (by examiner)
OSC.GI  0      Citing Patent WPI Accession Number Count (by inventor)
```

The citations are then displayed:

=> D CITN

L1 ANSWER 1 OF 1 PCI COPYRIGHT 2008 THE THOMSON CORP on STN

CDP Cited Patents

Citing Publication	By	Cat	Cited Patent	Accession Number
WO 2006060280 A2	Ex	X	US 5771295 A	1997-335341
			PA: (WALL-I) WALLER J K	
			IN: WALLER J K	
	Ex	A	US 20040091118 A1	1999-214855
			PA: (GRIE-I) GRIESINGER D H	
			IN: GRIESINGER D H	
	Ex	X	WO 2003094369 A2	2003-903800
			PA: (HARM-N) HARMAN INT IND INC	
			IN: GRIESINGER D H	

REN Literature Citations

Citing Publication	By	Cat	Literature Reference
WO 2006060280 A2	Ex	A	FALLER C ET AL: "Binaural Cue Coding -Part II: Schemes and Applications" IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 11, no. 6, 6 October 2003 (2003-10-06), pages 520-531, XP002338415 ISSN: 1063-6676
	Ex	X	HERRE J ET AL: "MP3 Surround: Efficient and Compatible Coding of Multi Channel Audio" AUDIO ENGINEERING SOCIETY CONVENTION PAPER, NEW YORK, NY, US, 8 May 2004 (2004-05-08), pages 1-14, XP002350798
	Ex	X	STOLL G: "MPEG audio layer II. A generic coding standard for two and multichannel sound for DVB, DAB and computer multimedia" BROADCASTING CONVENTION, 1995. IBC 95., INTERNATIONAL AMSTERDAM, NETHERLANDS, LONDON, UK, IEE, UK, 1995, pages 136-144, XP006528918 ISBN: 0-85296-644-X

CGP Citing Patents

Cited Publication	By	Cat	Citing Patent	Accession Number
US 20060115100 A1	Ex	AP	WO 2007032647 A1	2007-309044
			PA: (GLDS-C) LG ELECTRONICS INC	
			IN: PANG H S; OH H O; LIM J H; KIM D S; JUNG Y W	
	Ex	AP	WO 2007032648 A1	2007-309045
			PA: (GLDS-C) LG ELECTRONICS INC	
			IN: PANG H S; OH H O; LIM J H; KIM D S; JUNG Y W	
	Ex	AP	WO 2007032650 A1	2007-309046
			PA: (GLDS-C) LG ELECTRONICS INC	
			IN: PANG H S; OH H O; LIM J H; KIM D S; JUNG Y W	

12.2 Finding *DWPI* records for cited and citing patents

In this case all *DWPI* documents for patent publications cited in or citing the invention document contained in WO2006060280 are retrieved.

```
=> FILE PCI
FILE 'PCI' ENTERED AT 12:56:10 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE LAST UPDATED:           18 FEB 2008   <20080218/UP>
FILE COVERS 1973 TO DATE

=> S WO2006060280/PN
L1          1 WO2006060280/PN
              (WO2006060280/PN)
```

Using the SELECT function, the cited (PN.D) and citing (PN.G) patent numbers are automatically retrieved and assigned E numbers for use later. In this case we have also displayed the numbers selected:

```
=> SEL PN.D PN.G
E1 THROUGH E6 ASSIGNED

=> D SEL
E1          1      US20040091118/PN.D
E2          1      US5771295/PN.D
E3          1      WO2003094369/PN.D
E4          1      WO2007032647/PN.G
E5          1      WO2007032648/PN.G
E6          1      WO2007032650/PN.G
```

These E-numbers are then searched for in *DWPI* qualified as patent numbers (/PN) to retrieve the associated records (in this case we have used the *DWPI* non-subscriber file WPINDEX, though exactly the same result will be obtained in the subscriber files WPIDS or WPIX):

```
=> FILE WPINDEX

FILE 'WPINDEX' ENTERED AT 12:58:17 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION
.
.
.
=> S E1-E6/PN
      1 US20040091118/PN
      1 US5771295/PN
      1 WO2003094369/PN
        (WO2003094369/PN)
      1 WO2007032647/PN
        (WO2007032647/PN)
      1 WO2007032648/PN
        (WO2007032648/PN)
      1 WO2007032650/PN
        (WO2007032650/PN)
L2      6 (US20040091118/PN OR US5771295/PN OR WO2003094369/PN OR WO200703
        2647/PN OR WO2007032648/PN OR WO2007032650/PN)=> s e1-6/pn
      1 EP1038912/PN
      1 US5844026/PN
      1 US7109260/PN
      0 WO2005049716/PN
        (WO2005049716/PN)
      1 WO2005090307/PN
        (WO2005090307/PN)
      1 WO9900450/PN
L3      5 (EP1038912/PN OR US5844026/PN OR US7109260/PN OR WO2005049716/PN
        OR WO2005090307/PN OR WO9900450/PN)
```

This gives you a set of patent records in DWPI (L3) that either cite, or are cited by record WO2006060280 for analysis.

Transferring OS.D and OS.G to *DWPI* and searching the accession numbers in /AN will achieve the same result.

12.3 Finding all inventions citing my patent

This search retrieves all inventions that are citing a specific patent (WO2006060280) identifying other inventions that have been referred to when this document

The parent document is retrieved in PCI and the cited patents publication numbers are captured using the TRANSFER command:

```
=> FILE PCI

FILE 'PCI' ENTERED AT 13:25:36 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION
.
.
=> S WO2006060280/PN
L1          1 WO2006060280/PN
              (WO2006060280/PN)

=> TRANSFER L1 PN.D 1-
L2          TRANSFER L1 1- PN.D :          3 TERMS
L3          16
```

The publication numbers from the citing inventions (PN.F) are then ANALYZED and the resulting list displayed:

```
=> ANA L3 PN.F
L4          ANALYZE L3 1- PN.F :          36 TERMS

=> D
L4          ANALYZE L3 1- PN.F :          36 TERMS

TERM #      # OCC  # DOC  % DOC  PN.F
-----
   1         174    1    6.25  US7031474
   2         114    1    6.25  US5912976
   3          66    1    6.25  US6993480
   4          51    1    6.25  US6285767
   5          45    1    6.25  US6590983
   6          39    1    6.25  US7292901
   7          27    1    6.25  US5771295
   8          27    1    6.25  US7116787
   9          23    1    6.25  EP1376538
  10          21    1    6.25  US7107211
```

To use these 16 records further, they need to be retrieved using the search function:

```
=> S L4/PN
L5          16 L4/PN
```

12.4 Finding the most heavily cited publications / assignees

This search finds the most heavily cited documents covering chewing gum technology (represented by Derwent manual code D03-E09) and which are the most frequently cited patent assignees.

Firstly the topic is searched in *DWPI* using the Manual Code:

```
=> S D03-E09/MC
D03-E09 CHEWING GUM
L1          1708 D03-E09/MC
```

File PCI is then entered and the DWPI accession numbers are transferred into PCI:

```
=> FILE PCI
FILE 'PCI' ENTERED AT 13:39:22 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION
.
.
.
=> TRA L1 AN 1-
L2          TRANSFER L1 1- AN :    1708 TERMS
L3          984 L2
```

The answer set is then ANALYZED by citing patent accession number (OS.G):

```
=> ANA L3 OS.G 1-
L4          ANALYZE L3 1- OS.G :    1550 TERMS

=> D 1-10
L4          ANALYZE L3 1- OS.G :    1550 TERMS

TERM #      # OCC  # DOC  % DOC OS.G
-----
   1         109   51   5.18 2000-465175
   2         103   47   4.78 2000-451873
   3          98   49   4.98 2000-442227
   4          96   46   4.67 2002-463046
   5          91   45   4.57 2000-664967
   6          69   57   5.79 2004-676164
   7          61   26   2.64 1999-312408
   8          55   42   4.27 1998-322380
   9          54   48   4.88 2002-713255
  10          53   47   4.78 2002-139688
```

continued.....

The answer set is further ANALYZED by cited patent accession number (OS.D):

```

=> ANA L3 OS.D 1-
L5          ANALYZE L3 1- OS.D :    4854 TERMS

=> D TOP 5
L5          ANALYZE L3 1- OS.D :    4854 TERMS

TERM #    # OCC  # DOC  % DOC OS.D
-----
   1      113   42   4.27 1990-348202
   2      103   42   4.27 1995-169978
   3      102   56   5.69 1991-280760
   4       91   51   5.18 1990-109737
   5       91   45   4.57 1995-122803
    
```

The top ranking patent assignees are then also identified by patentee code (PACO.D):

```

=> ANA L3 PACO.D 1-
L6          ANALYZE L3 1- PACO.D :    1672 TERMS

=> D
L6          ANALYZE L3 1- PACO.D :    1672 TERMS

TERM #    # OCC  # DOC  % DOC PACO.D
-----
   1     3102   385  39.13 WRIL-C
   2     2616   385  39.13 WARN-C
   3       720   182  18.50 NATY-C
   4       582   151  15.35 LIFS-C
   5       573   123  12.50 PROC-C
   6       441   129  13.11 GENO-C
   7       275   114  11.59 LOTT-C
   8       248    35   3.56 FUIS-N
   9       214    76   7.72 COLG-C
  10       191    54   5.49 ROQF-C
    
```

12.5 Finding the most heavily citing publications / assignees

This search finds the most heavily citing documents and companies for Pfizer's inventions.

Firstly Pfizer's inventions are retrieved using their patent assignee code — PFIZ

```
=> FILE PCI
FILE 'PCI' ENTERED AT 13:54:10 ON 20 FEB 2008
COPYRIGHT (C) 2008 THE THOMSON CORPORATION

FILE LAST UPDATED:          19 FEB 2008   <20080219/UP>
FILE COVERS 1973 TO DATE

=> S PFIZ/PACO
L1          5351 PFIZ/PACO
              (PFIZ-C/PACO)
```

These records are then ANALYZED for the citing patent publications and patent assignee, displaying the analysis:

```
=> ANA L1 1-5351 PN.G
L2          ANALYZE L1 1- PN.G :   38255 TERMS

=> D 1-5
L2          ANALYZE L1 1- PN.G :   38255 TERMS

TERM #      # OCC  # DOC  % DOC  PN.G
-----
   1         47   16   0.30  EP627221
   2         45   20   0.37  EP655246
   3         43   27   0.50  US6777543
   4         40   27   0.50  WO9614845
   5         40   20   0.37  EP659409

=> ANA l1 1-5351 PACO.G
L3          ANALYZE L1 1- PACO.G :   4907 TERMS

=> D DOC 1-5
L3          ANALYZE L1 1- PACO.G :   4907 TERMS

TERM #      # OCC  # DOC  % DOC  PACO.G
-----
   1      13774  2125  39.71  PFIZ-C
   2       1514   355   6.63  MERI-C
   3        937   288   5.38  FARB-C
   4        626   252   4.71  BRIM-C
   5         876   240   4.49  WARN-C
```

12.6 Finding publications cited by inventions assigned to a particular company

The search finds which German publications have been cited by inventions assigned to Takeda.

```
=> S TAKE/PACO AND DE/PC.D
      4967 TAKE/PACO
          (TAKE-C/PACO)
      1162067 DE/PC.D
L1      364 TAKE/PACO AND DE/PC.D
```

The patent numbers hit are ANALYZED and the top 5 most hit are displayed

```
=> ANA HIT L1 1-364 PN.D
L2      ANALYZE L1 1-364 PN.D HIT :      138 TERMS

=> D TOP 5
L2      ANALYZE L1 1-364 PN.D HIT :      138 TERMS

TERM #   # OCC   # DOC   % DOC   PN.D
-----
      1       9       2   0.55  DE3427787
      2       6       2   0.55  DE2617101
      3       6       2   0.55  DE2638828
      4       6       2   0.55  DE2722416
      5       5       2   0.55  DE2258373
```

To display the titles of, for example, two of those records, first retrieve the patent numbers.

```
=> S L2/PN
L3      124 L2/PN

=> D TI 1-2

L3      ANSWER 1 OF 124  PCI COPYRIGHT 2008          THE THOMSON CORP on STN
TI      New trisubstituted dihydro-imidazo-pyridazinone or imidazo-pyridinone
        derivatives, useful as dipeptidylpeptidase-IV inhibitors for e.g. treating
        diabetes mellitus type I or II, arthritis or obesity

L3      ANSWER 2 OF 124  PCI COPYRIGHT 2008          THE THOMSON CORP on STN
TI      Storage-stable water-based composition for controlling parasitic insects,
        especially fleas, on animals, e.g. livestock and pets
```

13 Appendices

13.1 Derwent Patent Number Formats

The Derwent patent number format comprises a 12 character alphanumeric sequence. If there are fewer than 12 digits in the patent number, hyphens are inserted between the country code and the number to bring the total up to 12 characters. However the flexibility of STN means that searches can either be undertaken with or without these leading hyphens.

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

1. Numeric Series Patent Numbers

Format: S CC—NNNNNNNNNN/PN

CC = WIPO Country Code
 NNNNNNNNNN = 10 digit number with hyphen front fill

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

Original Format	Derwent 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	Derwent Format	Kind Code
US06142951	US----N6142951	N

2. Patent numbers that include a year element

Format: S CC-----YYNNNNN/PN publication year based on 19xx
 S CC—YYYYnNNNNN/PN publication year based on 2000+

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

PCT patent numbers

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

<u>Original Format</u>	<u>Derwent Format</u>
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.

<u>Original Format</u>	<u>Derwent Format</u>
CN88100168	CN----88100168

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. Hence C documents have been indexed with the 'C' attached to the patent number to prevent a number clash.

German patent numbers

Between October 1968 and December 1996, German patent applications comprised 7-digit serial numbers prefixed by the letter 'P' – which indicated a patent application – followed by a computer check digit separated from the main number by a decimal point. The first two digits of the 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 was derived from the application number by omitting the 'P' and the check digit.

From January 1995 to 2004, German patent applications comprised 8-digit numbers followed by a computer check digit separated from the main number by a decimal point. The presence of a 1 as the first digit of the number indicated a patent application, the next two digits were the year and the final five digits were a serial number beginning at 1 annually. The patent number was derived from the application number by omitting the check digit.

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

Original Format	Derwent Format	Kind Code
DE4229047	DE-----4229047	A1
DE19813012	DE----19813012	A1
DE102004035364	DE102004035364	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: INYYYYNNNNN KK/PN e.g. IN200601239 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: USYYYYNNNNNNN/PN e.g. US20010000001

- 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 JP----EENNNNNN/PN

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 JP—YYYYNNNNNN/PN

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)

The number series for these documents can potentially lead to clashes. In order to eliminate this problem JP-X documents have been indexed with the 'X' attached to the number. Y and Z are utility models which have been indexed with a 'U' attached to the number.

Examined Japanese specifications issuing until 29th May 1996 (Kokoku)

Format: S JP----YYNNNNNN/PN

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

In the case of examined (Kokoku) Japanese patents issuing up until 29th May 1996, the Japanese year has been converted to the Gregorian year and output as part of the patent number.

These documents have status code B

Note: The STN format for these documents comprises the Emperor year instead of the Gregorian year. The STN format therefore also includes the B status code as part of the patent number to avoid potential clashes with pre-2000 Kokai documents.

New Law Granted Japanese specifications issuing from 29th May 1996 (Toroku)

Format: S JP-----NNNNNNN/PN

JP	=	WIPO Country Code for Japan
YY	=	Two-digit Western year
NNNNNNN	=	7 digit number with zero front fill

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).

These documents comprise a continuous series so no year prefix is necessary. However for consistency the B status code has been appended to the patent number and is required when searching both the Derwent and STN formats.

13.2 STN Patent Number Formats

All patent numbers in DWPI can be searched using the STN format:

Format: S CCnnnnnnnnnN /PN

CC = WIPO Country Code
nnnnnnnN = variable number of digits, up to a maximum of eleven

The addition of leading zeros or hyphens is not necessary with the STN format for continuous series numbers, but zeros are included in those numbers that incorporate the year:

EP56431/PN no leading zeros

SE9003016/PN zeros inserted between the year and the serial number

For Japanese numbers, the format JPEENNNNNN is used for both Unexamined (Kokai) and Examined (Kokoku) documents.

For Indian applications, the format INYYYYXXNNNNN is used where XX is the two-digit office code as follows:

Office	Pre-grant Applications	National Phase PCT Applications
Delhi	DE	DN
Kolkata	KO	KN
Mumbai	MU	MN
Chennai	CH	CN

13.3 Example Patent Number Formats and Kind Codes

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

Derwent Format	STN Format	Kind	Kind Definition
AR			
AR-----200992	AR200992	A	Patent (1974 – 1976 only)
AT			
AT-----8500819	AT8500819	A	OPI application without examination (old law)
AT---200008020	AT200008020	A	OPI application without examination (old law)
AT-----503735	AT503735	A1	Application with SR (from 200574)
AT-----503686	AT503686	A2	Application without SR (from 200574)
AT-----502411	AT502411	A4	A2 published same day as B without A3
AT-----500004	AT500004	A8	Corrected title page of Austrian A document
AT-----500005	AT500005	A9	Complete reprint of Austrian A document
AT-----395582	AT395582	B	Granted patent (old law)
AT-----502441	AT502441	B1	Patent
AT-----500002	AT500002	B2	Patent amended after opposition
AT-----500004	AT500004	B8	Corrected title page of Austrian B document
AT-----500005	AT500005	B9	Complete reprint of Austrian B document
AU			
AU-----8423026	AU8423026	A	OPI application without examination
AU---200061304	AU2000061304	A	OPI application without examination
AU—2004212605	AU2004212605	A1	1 st publication of unexamined standard patent
AU—2004212605	AU2004212605	A1	Divisional standard/petty application
AU—2006239727	AU2006239727	A2	Amended first publication
AU—2007100132	AU2007100132	A4	Publication of granted innovation patent
AU—2007100018	AU2007100018	A5	Amended Pre-Grant OPI Innovation Patent
AU—2002101053	AU2002101053	A6	Amended Post-Grant OPI Innovation Patent
AU—2003214907	AU2003214917	A8	Correction to bibliographic data of A publication
AU—2006100520	AU2006100520	A9	Correction to the specification of A publication
AU-----634440	AU634440	B	Examined and accepted patent
AU—2006252280	AU2006252280	B1	Acceptance without previous OPI notification
AU—2005239648	AU2005239648	B2	Acceptance following previous OPI notification
AU—2005100565	AU2005100565	B4	Publication of a certified innovation patent
AU—2005200509	AU2005200509	B8	Correction to bibliographic data of B publication
AU—2005227407	AU2005227407	B9	Correction to the specification of B publication
BE			
BE-----893309	BE893309	A	Unexamined granted patent
BE-----1011014	BE1011014	A0	Unexamined granted patent
BE-----1003729	BE1003729	A3	Initial text with SR

Derwent Format	STN Format	Kind	Kind Definition
BE-----1003780	BE1003780	A4	Changed/corrected text with SR
BE-----1003497	BE1003497	A5	Text with amended claims and SR
BE-----1016726	BE1016726	A6	6-Year patent of invention not searched
BE-----1016682	BE1016682	A7	Corrected 6-year patent of invention
BE-----1011014	BE1011014	B3	Patent of invention, 2 nd publication with SR
BE-----1005196	BE1005196	B5	Patent of invention, 2 nd publication
BE-----93	BE93	T	Transfer to BE national from EP application
BE-----114	BE114	T7	European Transfer
BR			
BR-----8200174	BR8200174	A	OPI application – not searched or examined
BR--2001000002	BR2001000002	A	OPI application – not searched or examined
BR-----1100685	BR1100685	A3	Pipeline patent application
CA			
CA-----1134551	CA1134551	A	Examined granted patent before 16 Oct 1990
CA-----1134551	CA1134551	A	OPI Application from 16 Oct 1990
CA-----1272200	CA1272200	B	Reissue (old law)
CA-----1275151	CA1275151	C	Granted patent (old & new law)
CA-----2298277	CA2298277	E	Reissue granted after 01.10.89 (old & new law)
CH			
CH-----632885	CH632885	A	Granted unexamined or examined document
CH-----681267	CH681267	A3	OPI application searched/preliminary examined
CH-----681338	CH681338	A5	Granted without examination
CH-----696560	CH696560	A8	Correction to bibliographic data of A publication
CH-----694831	CH694831	A9	Correction to specification of A publication
CH-----630505	CH630505	B	Examined accepted specification
CH-----689414	CH689414	B5	Granted with examination
CN			
CN----88100063	CN88100063	A	OPI application (before 1989)
CN-----1929572	CN1929572	A	OPI application
CN-----1272705	CN1272705	C	Examined patent application
CS			
CS-----8101239	CS8101239	A	Examined accepted specification
CS-----9006710	CS9006710	A1	Patent application
CS-----9103400	CS9103400	A2	Patent application (from 199232)
CS-----276695	CS276695	B	Granted patent (from 199301)

Derwent Format	STN Format	Kind	Kind Definition
CZ			
CZ-----9702871	CZ9702871	A3	OPI before examination (from 199417)
CZ---200100051	CZ2001000051	A3	OPI before examination (from 1Jan 2000)
CZ-----297449	CZ297449	B6	Granted patent (from 199417)
DD			
DD-----296580	DD296580	A	Examined granted patent
DD-----230532	DD230532	A3	Patent specification (Economic Patent)
DD-----299844	DD299844	A4	Economic patent according to para 29(1) /50
DD-----301775	DD301775	A5	Patent specification (exclusive patent)
DD-----302035	DD302035	A7	Patent specification (exclusive and searched)
DD-----301635	DD301635	A8	Addition of exclusive patent
DD-----302622	DD302622	A9	OPI application (published from 1 May 1992)
DD-----274818	DD274818	B	Re-examined after grant
DD-----271492	DD271492	B1	Economic patent, searched and examined
DD-----292475	DD292475	B3	Exclusive patent, searched and examined
DD-----301842	DD301842	B5	Patent specification following A7 after objection
DD-----286281	DD286281	C	Examined granted patent
DD-----234470	DD234470	C2	Economic patent amended
DD-----300969	DD300969	C4	Granted examined exclusive patent
DD-----240135	DD240135	C5	Patent specification, 3 rd publication
DE			
DE-----3223281	DE3223281	A	OPI application before examination
DE-----2165423	DE2165423	A	Examined accepted specification
DE-----4229005	DE4229005	A1	OPI application before examination
DE----19813012	DE19813012	A1	OPI application before examination
DE102004035364	DE102004035364	A1	OPI application before examination
DE102006011223	DE102006011223	A8	Correction to bibliographic data of A publication
DE----10307534	DE10307534	A9	Correction to claims, description or drawings
DE-----2829631	DE2829631	B	Examined accepted specification
DE102004025786	DE102004025786	B3	Examined patent – 1 st publication
DE----10206286	DE10206286	B4	Examined patent – 2 nd publication
DE----10346055	DE10346055	B8	Correction to bibliographic data to B publication
DE----10336941	DE10336941	B9	Correction to claims, description or drawings
DE-----3136278	DE3136278	C	Granted patent from 1981 (from 198138)
DE-----4119823	DE 4119823	C1	Examined patent – first publication
DE----19808987	DE 19808987	C1	Examined patent – first publication
DE102004000001	DE102004000001	C1	Examined patent – first publication
DE-----4109215	DE4109215	C2	Examined patent – second publication
DE----19745773	DE19745773	C2	Examined patent – second publication
DE102004000002	DE102004000002	C2	Examined patent – second publication
DE----10151243	DE10151243	C5	Modified granted patent (previously C3)

Derwent Format	STN Format	Kind	Kind Definition
DE----19523358	DE19523358	C8	Correction to modified patent (biblio)
DE----19511788	DE19511788	C9	Correction to modified patent (claims etc.)
DE----3485556	DE3485556	E	Granted EP (Engl. Or French)
DE----68902278	DE68902278	E	Granted EP (Eng. Or French) assigned DE No.
DE602004000001	DE602004000001	E	Granted EP (Eng. Or French) assigned DE No.
DE----3161384	DE3161384	G	Granted EP assigned DE number
DE----58900386	DE58900386	G	Granted EP in German assigned DE No.
DE502004000001	DE502004000001	G	Granted EP in German assigned DE No.
DE----3249155	DE3249155	T	PCT transfer to DE
DE112004000010	DE112004000010	T	PCT transfer to DE
DE----10392170	DE10392170	T0	PCT transfer to DE not published in German
DE----69634325	DE69634325	T2	Translated granted EP with DE No.
DE112004000029	DE112004000029	T5	Translation of PCT international announcement
DE----10392190	DE10392190	T8	Correction to bibliographic data of EP
DE----10296848	DE10296848	T9	Correction to claims etc. of EP
DE----29700012	DE29700012	U1	Utility Model
DE202006009312	DE202006009312	U1	Utility Model
DE202006019496	DE202006019496	U8	Correction to bibliographic data of UM
DE202007004307	DE202007004307	U9	Correction to claims etc. of UM

DK

DK----8104311	DK8104311	A	OPI application
DK---2006001429	DK2006001429	A	OPI application
DK-----176367	DK176367	B	Granted patent

EP

EP-----140267	EP140267	A	OPI application
EP-----488479	EP488479	A1	OPI application with SR
EP-----500371	EP500371	A2	OPI application without SR
EP-----347038	EP347038	A3	Examiner's SR only for A2
EP-----764489	EP764489	A4	Supplementary SR
EP----1079574	EP1079574	A8	Corrected title page of an A document
EP----1076436	EP1076436	A9	Complete reprint of an A document
EP-----7694	EP7694	B	Examined granted specification
EP-----308133	EP308133	B1	Examined granted specification
EP----1116432	EP1116432	B2	Amended specification
EP-----806304	EP806304	B8	Corrected title page of a B document
EP-----997261	EP997261	B9	Complete reprint of a B document

ES

ES----8500012	ES8500012	A	Unexamined granted patent
ES----2070101	ES2070101	A	OPI application
ES----2264402	ES2264402	A1	Patent application published with SR
ES----2111447	ES2111447	A2	Patent application published without SR
ES----2027897	ES2027897	A6	OPI application without SR

Derwent Format	STN Format	Kind	Kind Definition
ES-----2020008	ES2020008	B	Granted patent published with SR
ES-----2105966	ES2105966	B1	Granted patent published with SR
ES-----2026835	ES2026835	T1	Translation of claims with drawings of EP
ES-----2028461	ES2028461	T3	Translation of EP granted
ES-----2047961	ES2047961	T4	Corrected translation of a granted EP
ES-----2031677	ES2031677	T5	Modified translation of a granted EP
FI			
FI-----8201863	FI8201863	A	OPI application
FI---2001000016	FI2001000016	A	OPI application
FI-----116139	FI116439	B	Examined patent application
FI-----118160	FI118160	B1	Granted patent (new law)
FR			
FR-----1464016	FR1464016	A	Granted patent (until 1969)
FR-----2504788	FR2504788	A	OPI application (from 1969)
FR-----2670849	FR2670849	A1	OPI application
FR-----2786072	FR2786072	A2	Application for certificate of addition
FR-----2670250	FR2670250	A3	Application for certificate of utility
FR-----95386	FR95386	E	Certificate of addition (until 1969)
FR-----2435	FR2435	M	Medicament (until 1979)
FR-----272	FR272	M	Medicament addition (until 1979)
GB			
GB-----1593412	GB1593412	A	Examined granted specification (<2000000)
GB-----2019743	GB2019743	A	OPI application (2000000+)
GB-----2403612	GB2403612	B	Examined granted specification
HU			
HU-----219200	HU219200	A	OPI application exam requested/deferred
HU-----9600282	HU9600282	A1	Unexamined patent application
HU---2005000973	HU2005000973	A1	Unexamined patent application
HU-----9603272	HU9603272	A2	Examined patent application
HU---2005000692	HU2005000692	A2	Examined patent application (from 2000)
HU-----74035	HU74035	T	Examined accepted specification
HU-----3841	HU3841	H	OPI application
HU---2002002169	HU2002002169	B	Granted patent with SR
HU-----225187	HU225187	B1	Granted patent
IE			
IE-----6900457	IE6900457	A	Patent specification (1963 – 1969 only)
IE-----84759	IE84759	B	Granted patent
IE-----77774	IE77774	B3	Short patent

Derwent Format	STN Format	Kind	Kind Definition
IL			
IL-----61670	IL61670	A	Application for patent of invention
IN			
IN---200602719 I1	IN2006DE02719	I1	Pre-grant application from Delhi
IN---200601239 I2	IN2006KO01239	I2	Pre-grant application from Kolkata
IN---200501360 I3	IN2005MU01360	I3	Pre-grant application from Mumbai
IN---200601930 I4	IN2006CH01930	I4	Pre-grant application from Chennai
IN---200702942 P1	IN2007DN02942	P1	National phase PCT application from Delhi
IN---200701129 P2	IN2007KN01129	P2	National phase PCT application from Kolkata
IN---200700243 P3	IN2007MN00246	P3	National phase PCT application from Mumbai
IN---200604670 P4	IN2006CN004670	P4	National phase PCT application from Chennai
IN-----195556	IN195556	B	Pre opposition granted application
IT			
IT-----1074059	IT1074059	A	Patent
IT-----1341642	IT1341642	B	Patent of invention – 2 nd publication
JP			
JP----63012394	JP63012394	A	OPI application
JP----04281830	JP04281830	A	OPI application
JP—2001110593	JP2001110593	A	OPI application (from 1 Jan 2000)
JP----92074296	JP04074296B	B	Examined application
JP----3624196B	JP3624196B	B1	Registered granted patent not published as A
JP----94000555	JP06000555	B2	Ex. Application
JP----3537145B	JP3537145B	B2	Registered granted patent
JP----04501316	JP04501316	W	PCT transfer (origin abroad)
JP—2000513578	JP2000513578	W	PCT transfer (origin abroad)
JP---03513251X	JP03513251X	X	PCT transfer (origin Japan)
JP----04500003U	JP04500003U	Y	PCT transfer to Utility Model (origin abroad)
JP----61600004U	JP61600004U	Z	PCT transfer to Utility Model (origin Japan)
KR			
KR-----8800853	KR8800853	A	Application
KR—2007082486	KR2007082486	A	Application
KR-----8601301	KR8601301	B	Examined patent specification
KR-----528155	KR528155	B	Examined patent specification
KR-----9210932	KR9201932	B1	Examined patent specification
KR-----557741	KR557741	B1	Examined patent specification
KR-----9310764	KR9310764	B2	Examined Patent Application (1 st publication)
LU			
LU-----85505	LU85505	A	Unexamined granted patent

Derwent Format	STN Format	Kind	Kind Definition
MX			
MX-----183636	MX183636	A	Patent of invention
MX-----9602714	MX9602714	A1	Published patent application
MX-2000000073	MX2000000073	A1	Published patent application
MX-----9701255	MX9701255	A2	Anticipated publication of patent application
MX-2001000039	MX2001000039	A2	Anticipated publication of patent application
MX-2001000022	MX2001000022	A4	Regional filing – Jalisco
MX-2002000017	MX2002000017	A5	Regional filing —Nuevo Leon
MX-2003000002	MX2003000002	A6	Regional filing – Yucatan
MX-2002000002	MX2002000002	A7	Regional filing – Guanajuato
MX-----242473	MX242473	B	Granted patent (patent law 1991)
NL			
NL-----9401585	NL9401585	A	OPI application
NL-----175138	NL175138	B	Examined accepted specification
NL-----1029590	NL1029590	C2	20-year new law granted patent
NL-----1030179	NL1030179	C6	6-year new law petty patent
NO			
NO-----8901308	NO8901308	A	OPI application
NO---200004853	NO2000004853	A	OPI application
NO-----171500	NO171500	B	Granted patent
NO-----302461	NO302461	B1	Granted patent
NZ			
NZ-----554283	NZ554283	A	Examined application
PH			
PH-----30144	PH30144	A	Patent application
PH-1199448667	PH1199448667	B1	Granted patent
PT			
PT-----76934	PT76934	A	Application for patent of invention
RD			
RD-----440147	RD440147	A	© Kenneth Mason Publications Limited [2008]
RO			
RO-----86035	RO86035	A	Examined granted patent
RO-----118893	RO118893	B	Granted patent according to 1991 law
RO-----121486	RO121486	B1	Granted patent according to 1991 law
RU			
RU-----2086364	RU2086364	C	Granted patent of invention
RU-----2293405	RU2293405	C1	Granted patent of invention

Derwent Format	STN Format	Kind	Kind Definition
SE			
SE-----8702558	SE8702558	A	OPI application
SE---2007000824	SE2007000824	A	OPI application
SE-----467494	SE467494	B	Examined accepted specification
SE-----506689	SE506689	C2	Granted patent (new law)
SG			
SG-----9400549	SG9400549	A	Registration
SG-----45465	SG45465	A1	Patent application
SK			
SK-----9300244	SK9300244	A3	Patent application
SK---2005000115	SK2005000115	A3	Patent application
SK-----285319	SK285319	B6	Granted patent
SU			
SU-----1664372	SU1664372	A	Examined granted patent
SU-----1483957	SU1483957	A1	Inventor's Certificate
SU-----1287678	SU1287678	A2	Addition to Inventor's Certificate
SU-----1131438	SU1131438	A3	Patent
SU-----1551233	SU1551233	A4	Patent of Addition
SU-----953631	SU953631	B	Reissued patent
TP			
TP-----129201	TP129201	A	International Technology Disclosure
TW			
TW-----323366	TW323366	A	Examined – old law
TW---2003003896	TW2003003896	A	Examined – old law
TW-----267850	TW267850	B1	Examined – new law (from 1 Aug 2004)
US			
US-----4398634	US4398634	A	Examined granted patent (to December 2000)
US---N6322144	USN6322144	N	NTIS-published invention application
US---N7187804	USN7187804	N	NTIS-published invention application
US-20010031555	US20010031555	A1	OPI application
US-20050010008	US20050010008	A2	2nd/subsequent publication of application
US-20050038419	US20050038419	A9	Corrected published utility patent application
US-----3713099	US3713099	B	Re-examination certificate (pre 2001)
US-----5579669	US5579669	B1	Re-examination certificate (pre 2001)
US-----4366382	US366382	B1	Utility patent grant (2001-), no pre-grant
US-----5381524	US5381524	B2	Re-examination certificate (pre 2001)
US-----4366382	US4366382	B2	Utility patent grant (2001-) - with pregrant
US-----4913396	US4913396	B3	Re-examination certificate (pre 2001)
US-----6007003	US6007003	C1	First re-examination certificate (2001-)

Derwent Format	STN Format	Kind	Kind Definition
US-----4726193	US4726193	C2	2nd Re-examination publication (2001-)
US-----31089	US31089	E	Reissue
US-----104803	US104803	H	Defensive specification
US-----1035	US1035	H	Statutory Invention Registration
WO			
WO—1990001382	WO1990001382	A	OPI application
WO—1992007455	WO1992007455	A1	OPI application with SR
WO—1992013379	WO1992013379	A2	OPI application without SR
WO—1997045996	WO1997045996	A3	SR for A2
ZA			
ZA-----8909975	ZA8909975	A	Unexamined accepted
ZA---2006005736	ZA2006005736	A	Specification
ZA-----9501302	ZA9501302	AA	Second application with same number
ZA-----887458	ZA887458	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
CC	-	Country Code
SR	-	Search Report
UM	-	Utility Model

13.4 Application /Priority Number Formats

	Derwent	STN		Derwent	STN
AR	1975AR-000260333	AR1975-260333	IN	2002IN-MUM000754	IN2002-MU754
AT	1991AT-000002405	AT1991-2405		2003IN-DEL001086	IN2003-DE1086
AU	1991AU-000004146	AU1991-4146		2003IN-KOL000268	IN2003-KO268
BE	1992BE-000701101	BE1992-701101		2005IN-CHE000049	IN2005-CH49
BR	1992BR-000000108	BR1992-108		2002IN-DELNP001046	IN2002-DN1046
CA	1990CA-000049485	CA1990-49485		2003IN-KOLNP000765	IN2003-KN765
	1991CA-002034163	CA1991-2034163		2002IN-MUMNP001571	IN2002-MN1571
CH	1991CH-000003638	CH1991-3638		2004IN-CHENP000010	IN2004-CN10
CN	1991CN-000100021	CN1991-100021	IT	1990IT-000009330	IT1990-9330
	2004CN-020107087U	CN2004-20107087U		1991IT-AN0000010	IT1991-AN10
	2000CN-000103651	CN2000-103651	JP	1992JP-000163744	JP1992-163744
	2003CN-000100007	CN2003-100007		2001JP-000337009	JP2001-337009
	2004CN-000078801	CN2004-78801	KR	1992KR-000013822	KR1992-13822
CS	1991CS-000002476	CS1991-2476	LU	1997LU-000090008	LU1997-90008
CZ	1993CZ-000001001	CZ1993-1001	MX	1995MX-000000286	MX1995-286
DD	1991DD-000336107	DD1991-336107		2003MX-JL0000008	MX 2003-JL8
DE	1970DE-B00087017	DE1970-B87017	NL	1992NL-000000447	NL1992-447
	1992DE-004200008	DE1992-4200008	NO	1992NO-000000059	NO1992-59
	1997DE-100033093	DE1997-19733093	NZ	1996NZ-000280375	NZ1996-280375
	2001DE-200000001	DE2001-20100001	PH	1996PH-000033363	PH1996-33363
	2004DE-102004012346	DE2004-102004012346	PT	1991PT-000096996	PT1991-96996
	2004DE-202004013010	DE2004-202004013010	RD	1992RD-000334026	RD1992-334026
DK	1991DK-000000105	DK1991-105	RO	1992RO-000001434	RO1992-1434
EP	1992EP-000904679	EP1992-904679	RU	1995RU-000113107	RU1995-113107
	2000EP-000102309	EP2000-102309	SE	1992SE-000000031	SE1992-31
ES	1992ES-000001441	ES1992-1441	SG	1995SG-000000013	SG1995-13
FI	1992FI-000002300	FI1992-2300	SK	1997SK-000000010	SK1997-10
FR	1992FR-000009166	FR1992-9166	SU	1989SU-004747357	SU1989-4747357
	2000FR-000013835	FR2000-13835	TP	1992TP-000109204	TP1992-109204
GB	1992GB-000000027	GB1992-27	TW	2003TW-000118608	TW2003-118608
HU	1991HU-000000306	HU1991-306	US	1992US-000493916	US1992-493916
	1979HU-EE0002720	HU 1979-EE2720	WO	1992WO-FI0000009	WO1992-FI9
IE	1981IE-000001986	IE1981-1986		1992WO-EP0000011	WO 1992-EP11
IL	1991IL-000096973	IL1991-96973		1992WO-IT0000021	WO 1992-IT21
			ZA	1990ZA-000008527	ZA1990-8527
				1991ZA-A00008734	ZA1991-A8734

13.5 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 Samoa
Y

 YE Yemen YU Yugoslavia / Serbia & Montenegro

Z

ZA	South Africa ⁶	ZW	Zimbabwe ¹¹
ZM	Zambia ¹¹		

Additional Codes used by Thomson 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*
-

13.6 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
-

13.7 List of Search Qualifiers

Patent Family Search Fields

Accession Number	/AN	Patent Assignee Code	/PACO
Application Country	/AC	Patent Countries	/PCS
Application Date	/AD	Patent Country	/PC
Application Number	/AP	Patent Country Basic	/PC.B
Application Number Group	/APPS	Patent Kind Code	/PK
Application Number Year	/AP.YR	Patent Kind Code Basic	/PK.B
Application Type	/APT	Patent Number	/PN
Application Year	/AY	Patent Number Basic	/PN.B
Basic Index	/BI	Patent Number Count	/PNC
Country Count	/CYC	Patent Number Group	/PATS
DWPI Update	/DUPD	Patent Publication Type	/PT
DWPI Week	/DW	Priority Country	/PRC
DWPI Week Basic	/DW.B	Priority Date	/PRD
Designated States	/DS	Priority Date First	/PRDF
Document Type	/DT	Priority Number	/PRN
Entry Date (PCI)	/ED	Priority Number Year	/PRN.YR
Field Availability	/FA	Priority Year	/PRY
Filing Details	/FDT	Priority Year First	/PRYF
Filing Details, Patent Country	/FDT.PC	Publication Date	/PD
Filing Details, Patent Kind	/FDT.PK	Publication Date Basic	/PD.B
Filing Details, Patent Number	/FDT.PN	Publication Date First	/PD.F
Filing Details, Filing Notes	/FDT.TP	Publication Year	/PY
Inventor	/IN (/AU)	Publication Year Basic	/PY.B
Language	/LA	Title	/TI
Number of Drawings	/DRWN	Update Date (PCI)	/UP
Number of Pages	/PGN	Update Date Patent Family	/UPP
Patent Assignee	/PA (/CS)		

Citation Data Search Fields

		By inventor	By examiner
Family Member Data			
Patent Country	/PC.F	/PC.FI	/PC.FX
Patent Kind Code	/PK.F	/PK.FI	/PK.FX
Patent Number	/PN.F	/PN.FI	/PN.FX
Examiner's Field of Search			
International Patent Classification	/IC.F (/RPIC)	-	-
US National Classification	/NCL.F (/RPCL)	-	-
Cited Patent Data			
Cited Inventor	/IN.D	/IN.DI	/IN.DX
Cited Patent Assignee	/PA.D	/PS.DI	/PS.DX
Cited Patent Assignee Code	/PACO.D	/PACO.DI	/PACO.DX
Cited Patent Country	/PC.D	/PC.DI	/PC.DX
Cited Patent Number	/PN.D	/PN.DI	/PN.DX
Cited Patent Category (by examiner)	-	-	/CAT.D
Cited DWPI Accession Number	/OS.D	/OS.DI	/OS.DX
Cited DWPI Accession Number Count	/OSC.D	/OSC.DI	/ODC.DX
Cited Issuing Authority Count	/IAC.D	/IAC.DI	/IAC.DX
Cited Patents Count	/PNC.D	/PNC.DI	/PNC.DX
Citing Patent Data			
Citing Inventor	/IN.G	/IN.GI	/IN.GX
Citing Patent Assignee	/PA.G	/PA.GI	/PA.GX
Citing Patent Assignee Code	/PACO.G	/PACO.GI	/PACO.GX
Citing Patent Country	/PC.G	/PC.GI	/PC.GX
Citing Patent Number	/PN.G	/PN.GI	/PN.GX
Citing Patent Kind Code	/PK.G	/PK.GI	/PK.GX
Citing Patent Category (by examiner)	-	-	/CAT.G
Citing DWPI Accession Number	/OS.G	/OS.GI	/OS.GX
Citing DWPI Accession Number Count	/OSC.G	/OSC.GI	/OSC.GX
Citing Issuing Authority Count	/IAC.G	/IAC.GI	/IAC.GX
Citing Patent Number Count	/PNC.G	/PNC.GI	/PNC.GX
Literature References			
Literature References	/REN	/REN.I	/REN.X
Cited References Count	/CRC	/CRC.I	/CRC.X
Patent Country of Citing Family Member	/REPC	-	-
Patent Kind Code of Citing Family Member	/REPK	-	-
Patent Number of Citing Family Member	/REPN	-	-
Reference Category	/RENC	-	-

13.8 Display and Print Formats

Predefined Formats

ALL, MAX, IALL	All data (AN, TI, IN, PA, CYC, PI, ADT, FDT, PRAI, CTCS, EXF, CITN)
ALLB, STD (default) , ISTD	All data - citations brief (AN, TI, IN, PA, CYC, PI, ADT, FDT, PRAI, CTS, EXFB, CITNB)
ANL, DAN	Accession Number List (no answer numbers)
APPS	Application Number Group (contains ADT and PRAI)
BIB, IBIB	AN, TI, IN, PA, CYC, PI, ADT, FDT, PRAI
BRIEF.D	AN, TI, PA, CDP
BRIEF.G	AN, TI, PA, CGP
FAM	PI, ADT, FDT, PRAI
PATS	Patent Number Group (contains PI and FDT)
SCAN	AN, TI Abbreviated (random display, no answer numbers)
TRIAL, SAMPLE	AN, TI Abbreviated
CITN	All citation data (CDP, REN, CGP)
CITNB	All citation data in brief format (CDPB, RENB, CGPB)
Additional formats:	HIT, KWIC, OCC.

By default, patent numbers, application numbers and priority numbers are displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset the display to STN format, enter SET PATENT STN

Patent Family Fields

Format	Definition
ADT	Application Details
ADT.B	Application Details, Basic
AI (AP)	Application Information
AI.B	Application Information, Basic
AN	Accession Number
CYC	Country Count
DS	Designated States
DUPD	PCI Update Date
ED	Entry Date (PCI)
FA	Field Availability
FDT	Filing Details
IN (AU)	Inventor
PA (CS)	Patent Assignee
PI (PN)	Patent Information
PI.B (PN.B)	Patent Information, Basic
PNC	Patent Number Count
PRAI (PRN)	Priority Information
TI	Title
UP	Update Date
UPP	Update Date Patent Family

Citation Fields

Format	Definition
CDP	Cited Patent
CDP.B	Cited Patent Basic
CDPB	Cited Patent Brief
CGP	Citing Patent
CGP.B	Citing Patent Basic
CGPB	Citing Patent Brief
CRC	Cited References Count (Literature)
CTCS	Citation Counters (all counters)
CTS	Citation Counters, Brief
EXF	Examiner's Field of Search
EXFB	Examiner's Field of Search Brief
REN	Reference (Literature)
REN.B	Reference (Literature) Basic
RENB	Reference (Literature) Brief
UPG	Update Date Citing Patent

13.9 Select, Analyze and Sort Codes

Patent Family Fields

Definition	Code	Analyze/ Select	Sort
Application Country	AC	√	-
Application Date	AD	√	-
Application Details	ADT	√	-
Application Information	AI	√	-
Accession Number	AN	√	-
Application Number	AP (AI)	√	-
Application Number Group	APPS	√	-
Application Year	AY	√	-
Country Count	CYC	√	N
Designated State	DS	√	-
DWPI Week	DW	√	N
DWPI Week Basic	DW.B	√	N
Entry Date (PCI)	ED	√	N
Filing Details	FDT	√	-
Inventor	IN (AU)	√	A
Language	LA	√	-
Occurrence Count of Hit Terms	OCC	-	N
Patent Assignee	PA (CS)	√	A
Patent Assignee Codes	PACO	√	A
Patent Number Group	PATS	√	-
Patent Assignee Code and Name	PAX	√	-
Patent Country	PC	√	-
Patent Country Basic	PC.B	√	A
Patent Countries	PCS	√	-
Publication Date	PD	√	N
Publication Date Basic	PD.B	√	N
Patent Information	PI (PN)	√	A
Patent Information Basic	PI.B (PN.B)	√	A
Patent Kind Code	PK	√	A
Patent Kind Code Basic	PK.B	√	A
Patent Number Count	PNC	√	N
Priority Country	PRC	√	A
Priority Date	PRD	√	N
Priority Date First	PRDF	√	N
Priority Number	PRN (PRAI)	√	A
Priority Year	PRY	√	N
Priority Year First	PRYF	√	N

Patent Family Fields (continued)

Definition	Code	Analyze/ Select	Sort
Publication Year	PY	√	N
Publication Year Basic	PY.B	√	N
Title	TI	√ (default)	A
Update Date (PCI)	UP	√	N
Update Date Patent Family	UPP	√	N
Examiner's Field of Search Brief	EXFB	√	-
International Patent Classification of examiner's field of search	IC.F	√	-
National Classification of examiner's field of search	NCL.F	√	-

Citation Fields – Cited Patents

Definition	Code	Analyze/ Select	Sort
Cited Patent Category (by examiner)	CAT.D	√	-
Issuing Authority Count Cited Patents	IAC.D	√	N
Issuing Authority Count Cited Patents (by inventor)	IAC.DI	√	N
Issuing Authority Count Cited Patents (by examiner)	IAC.DX	√	N
Cited Patent Inventor	IN.D	√	-
Cited Patent Inventor (by inventor)	IN.DI	√	-
Cited Patent Inventor (by examiner)	IN.DX	√	-
Cited Patent DWPI Accession Number	OS.D	√	-
Cited Patent DWPI Accession Number (by inventor)	OS.DI	√	-
Cited Patent DWPI Accession Number (by examiner)	OS.DX	√	-
Cited Accession Number Count	OSC.D	√	N
Cited Patent Assignee	PA.D	√	-
Cited Patent Assignee (by inventor)	PA.DI	√	-
Cited Patent Assignee (by examiner)	PA.DX	√	-
Cited Patent Assignee Code	PACO.D	√	-
Cited Patent Assignee Code (by inventor)	PACO.DI	√	-
Cited Patent Assignee Code (by examiner)	PACO.DX	√	-
Cited Patent Country	PC.D	√	-
Cited Patent Country (by inventor)	PC.DI	√	-
Cited Patent Country (by examiner)	PC.DX	√	-
Patent Country of Family Member	PC.F	√	-
Cited Patent Kind Code	PK.D	√	-
Cited Patent Kind Code (by inventor)	PK.DI	√	-
Cited Patent Kind Code (by examiner)	PK.DX	√	-
Patent Kind Code of Family Member	PK.F	√	-
Cited Patent Number	PN.D	√	-
Cited Patent Number (by inventor)	PN.DI	√	-
Cited Patent Number (by examiner)	PN.DX	√	-
Patent Number of Family Member	PN.F	√	-
Cited Patents Count	PNC.D	√	N
Cited Patents Count (by inventor)	PNC.DI	√	N
Cited Patents Count (by examiner)	PNC.DX	√	N

Citation Fields – Cited Literature

Definition	Code	Analyze/ Select	Sort
Cited Reference Count (by inventor)	CRC.I	√	N
Cited Reference Count (by examiner)	CRC.X	√	N
Reference (Literature) cited by inventor	REN.I	√	-
Reference (Literature) cited by examiner	REN.X	√	-
Reference Category	RENC	√	-
Patent Country of Citing Family Member	REPC	√	-
Patent Kind Code of Citing Family Member	REPK	√	-
Patent Number of Citing Family Number	REPN	√	-

Citation Fields – Citing Patents

Definition	Code	Analyze/ Select	Sort
Citing Patent Category (cited by examiner)	CAT.G	√	-
Issuing Authority Count Citing Patents	IAC.G	√	N
Issuing Authority Count Citing Patents (by inventor)	IAC.GI	√	N
Issuing Authority Count Citing Patents (by examiner)	IAC.GX	√	N
Citing Patent Inventor	IN.G	√	-
Citing Patent Inventor (by inventor)	IN.GI	√	-
Citing Patent Inventor (by examiner)	IN.GX	√	-
Citing Patent WPI Accession Number	OS.G	√	-
Citing Patent WPI Accession Number (by inventor)	OS.GI	√	-
Citing Patent WPI Accession Number (by examiner)	OS.GX	√	-
Citing Accession Number Count	OSC.G	√	N
Citing Patent Assignee	PA.G	√	-
Citing Patent Assignee (by inventor)	PA.GI	√	-
Citing Patent Assignee (by examiner)	PA.GX	√	-
Citing Patent Assignee Code	PACO.G	√	-
Citing Patent Assignee Code (by inventor)	PACO.GI	√	-
Citing Patent Assignee Code (by examiner)	PACO.GX	√	-
Patent Country of Family Member	PC.F	√	-
Citing Patent Country	PC.G	√	-
Citing Patent Country (by inventor)	PC.GI	√	-
Citing Patent Country (by examiner)	PC.GX	√	-
Patent Kind Code of Family Member	PK.F	√	-
Citing Patent Kind Code	PK.G	√	-
Citing Patent Kind Code (by inventor)	PK.GI	√	-
Citing Patent Kind Code (by examiner)	PK.GX	√	-
Patent Number of Family Member	PN.F	√	-
Citing Patent Number	PN.G	√	-
Citing Patent Number (by inventor)	PN.GI	√	-
Citing Patent Number (by examiner)	PN.GX	√	-
Citing Patents Number Count	PNC.G	√	N
Citing Patents Number Count (by inventor)	PNC.GI	√	N
Citing Patents Number Count (by examiner)	PNC.GX	√	N