

# STN<sup>®</sup>

INPAFAMDB –

Easy recipes for relevant results

Robert Austin – FIZ Karlsruhe

# Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and assignee searching
- Prior art searching
- Citation searching
- Legal status searching
- Alerts (SDIs)

See also: Introduction to Derwent World Patents Index®:  
[http://www.stn-international.com/DWPI\\_2010\\_eSeminar.html](http://www.stn-international.com/DWPI_2010_eSeminar.html)

# INPAFAMDB is the International Patent Family Database on STN®

- More than 38 million patent family records, representing over 70 million patent publications
- Bibliographic and patent family information for more than 90 authorities from the mid-1800's
- 26 million abstracts for more than 50 authorities
- Cited references from 23 authorities
- Patent classification codes
  - Including: IPC, ECLA and U.S. NCL
- Legal status for 58 patent authorities from 1978

# Key features and benefits of INPAFAMDB

- A family-based file design ideal for prior art searches with CAplus<sup>SM</sup> and Derwent World Patents Index<sup>®</sup>
- FIZ Karlsruhe editorial corrections for accurate and comprehensive patent families
- Flexible family and bibliographic display options facilitate the study and analysis of patent families
- Comprehensive inventor and assignee searches combining all bibliographic and legal status data
- FIZ Karlsruhe Legal Status Categories (LSC2) provide simplified one-step legal status searching
- Stay up-to-date with focused and customizable alerts, including weekly and monthly monitoring

L1 ANSWER 1 OF 1 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN  
AN 36783877 INPAFAMDB EDF 20080605 EWF 200  
DN 56412337

A sample record in ALL format.

TI Information flow-rate permission control method and device.  
- Verfahren und Vorrichtung zur Steuerung der  
Nachrichtenverkehrslizenz.

A de-duplicated list of original applicant titles (TI).

INS CHUNYONG WANG, CN  
- WANG CHUNYONG, CN  
PAS HUAWEI SOFTWARE TECHNOLOGY CO, CN  
- HUAWEI TECH CO LTD, CN  
- WANG CHUNYONG, CN

PI CN 101175044 A 20080507  
EP 2068515 A1 20090610  
US 20090083750 A1 20090326  
WO 2009076860 A1 20090625  
AI CN 2007-10178796 A 20071205  
EP 2008-170540 A 20081203  
US 2008-328525 A 20081204  
WO 2008-CN73344 W 20081205

INPAFAMDB patent family (PI).

PRAI CN 2007-10178796 A 20071205 (CNA, 20080605, Y)  
REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) . . . .  
IPCI H04L0012-56 [I,A ]; H04Q0007-22 [I,A ]; H04L0012-58 [I,A]; . . . .  
EPC H04L0012-58W

Applicant abstract(s) (AB).

AB (EP 2068515 A1)  
The present invention relates to a method and an apparatus for  
controlling message traffic licenses. The method includes:  
controlling message traffic through an ordinary license; . . . .

1 priority, 4 applications, 4 publications

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- What is INPAFAMDB?
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# Finding patent families

1. Enter INPAFAMDB

=> FILE INPAFAMDB

2. Search for the  
publication number

=> S DE2350035/PN

3. Display the answer\*

=> D BIB

1. Enter DWPI

=> FILE WPINDEX

2. Search for the  
publication number

=> FSEARCH DE2350035/PN

Display the answer(s)

=> D BIB 1-

**Note:** country coverage differs by database. For details, see:  
[http://www.stn-international.com/pkcodes\\_us.html](http://www.stn-international.com/pkcodes_us.html)

# Patent family for DE2350035 – INPAFAMDB

```
L1 ANSWER 1 OF 1 INPAFAMDB COPYRIGHT 2
AN 3559037 INPAFAMDB UPFB 20090402 UWF 2009
DN 10369334
TI VERFAHREN ZUR HERSTELLUNG VON DIATETISCHE
- DIETETIC FOOD COMPOSITIONS
. . . .
INS RENNHARD HANS HEINRICH, US
- HEINRICH RENNHARD HANS, US
. . . .
PAS PFIZER, US
- PFIZER
PI AT 7308560 A 19750615
AT 328618 B 19760325
AU 7360833 A 19750410
AU 477557 B2 19750410
DE 2350035 A1 19750410
DE 2350035 C2 19860710
FI 7303094 A 19750405
IE 38284 L 19750325
IE 38284 B1 19780201
IN 138477 A1 19760207
IT 1011013 B 19770120
NO 7303761 A 19750421
PH 10970 A 19771018
ZA 7307862 A 19740925
```

=> FILE INPAFAMDB  
=> S DE2350035/PN  
L1 1 DE2350035/PN  
=> D BIB

Publications in blue are uniquely included in the INPAFAMDB family.

**Note:** This is truncated at the end of the PI field.

# Patent family for DE2350035 – WPINDEX

```

L2 ANSWER 1 OF 1 WPINDEX COPYRIGHT 2010
AN 1975-26107W [16] WPINDEX
TI Dietetic foods containing water-soluble
containing ester gps. and replacing fat
carbohydrates
DC D13
PA (PFIZ-C) PFIZER INC
CYC 12
PI DE 2350035 A 19750410 (197516)* DE
NL 7313850 A 19750411 (197517)# NL
SE 7312995 A 19750421 (197520)# SV
NO 7303761 A 19750421 (197521)# NO
AT 7308560 A 19750615 (197527) DE
FI 7303094 A 19750602 (197528)# FI
FR 2246276 A 19750606 (197528) FR
JP 50064444 A 19750531 (197530)# JA
GB 1418544 A 19751224 (197552) EN
IL 43334 A 19760730 (197634)# EN
CH 583000 A 19761230 (197702)# DE
CA 1016006 A 19770823 (197736)# EN
JP 58036945 B 19830812 (198336)# JA
DE 2350035 C 19860710 (198628) DE
NL 181898 B 19870701 (198730)# NL
. . .
    
```

```

=> FILE WPINDEX
=> FSEARCH DE2350035/PN
L1 1 DE2350035/PN
=> D BIB
    
```

“#” indicates DWPI non-conventional equivalents.

Publications in blue are uniquely included in the WPINDEX family.

**Note:** This is truncated at the end of the PI field.

Use this format	To display in INPAFAMDB...
CFAM	A simple table of publication numbers only
FAM	A table of priority, application and publication numbers (connected by <i>application</i> number)
FAM2	A table of priority, application and publication numbers (connected by <i>publication</i> number)
FFAM	Full bibliographic detail and legal status
LFAM	Short version of FFAM with publication numbers and Legal Status ONLY
FFAM. <b>PC</b>	FFAM for a single publication authority, e.g. FFAM.US for the USPTO
MFAM	FFAM <b>plus</b> 1) all available author abstracts 2) cited references
<b>IFAM</b>	A <b>COMBINATION</b> of indented FAM and MFAM

# FIZ Karlsruhe editorial corrections provide more accurate INPADOC patent families

- Accurate patent families rely on accurate publication, application and priority numbers
- Quality control and correction process
  - all numbers which do not meet the standardized number formats are filtered out and corrected manually
  - serial corrections are processed automatically
  - app. 2,200 standards are maintained for quality checks
- Errors reported by users are corrected intellectually
- Error corrections are typically online one week after the error has been detected

# Example: An error in an original document

**Example:** There is an incorrect related application number in this document.

(19) **United States**  
(12) **Patent Application Publication** (10) **Pub. No.: US 2008/0021851 A1**  
**Alcalde et al.** (43) **Pub. Date: Jan. 24, 2008**

(54) **MUSIC INTELLIGENCE UNIVERSE SERVER**

(75) Inventors: **Vicenc Gaitan Alcalde**, Castella del Valles (ES); **Julien Ricard**, Barcelona (ES); **Antonio Trias Bonet**, Sant Cugat Del Valles (ES); **Antonio Trias Llopis**, Sant Cugat Del Valles (ES); **Jesus Sanz Marcos**, Barcelona (ES)

Correspondence Address:  
**Jeffrey C. Maynard, Esq.**  
**WHITEFORD TAYLOR & PRESTON, LLP**  
**Seven St. Paul Street**  
**Baltimore, MD 21201-1626 (US)**

(73) Assignee: **Music Intelligence Solutions**, Cerdanyola (Barcelona) (ES)

(21) Appl. No.: **11/825,457**

(22) Filed: **Jul. 6, 2007**

### Related U.S. Application Data

(63) Continuation-in-part of application No. 11/492,395, filed on Jul. 25, 2006, now abandoned, which is a

**Incorrect**

**Correct**

continuation-in-part of application No. 10/678,505, filed on Oct. 3, 2003, now Pat. No. 7,081,579.

(60) Provisional application No. 60/415,868, filed on Oct.

(19) **United States**  
(12) **Patent Application Publication** (10) **Pub. No.: US 2006/0254411 A1**  
**Alcalde et al.** (43) **Pub. Date: Nov. 16, 2006**

(54) **METHOD AND SYSTEM FOR MUSIC RECOMMENDATION**

(75) Inventors: **Vicenc Gaitan Alcalde**, Castella del Valles (ES); **Carlos Maria Lopez Ullod**, Zaragoza (ES); **Antonio Trias Bonet**, Sant Cugat del Valles (ES); **Antonio Trias Llopis**, Sant Cugat del Valles (ES); **Jesus Sanz Marcos**, Barcelona (ES); **Daniel Caldentey Ysern**, Barcelona (ES); **Dominic Arkwright**, Barcelona (ES)

Correspondence Address:  
**WHITEFORD, TAYLOR & PRESTON, LLP**  
**ATTN: GREGORY M STONE**  
**SEVEN SAINT PAUL STREET**  
**BALTIMORE, MD 21202-1626 (US)**

(73) Assignee: **Polyphonic Human Media Interface, S.L.**, Cerdanyola (Barcelona) (ES)

(21) Appl. No.: **11/492,355**

(22) Filed: **Jul. 25, 2006**

### Related U.S. Application Data

(63) Continuation of application No. 10/678,505, filed on Oct. 3, 2003, now Pat. No. 7,081,579.

(60) Provisional application No. 60/415,868, filed on Oct. 3, 2002.

### Publication Classification

(51) **Int. Cl.**  
**G10H 7/10** (2006.01)

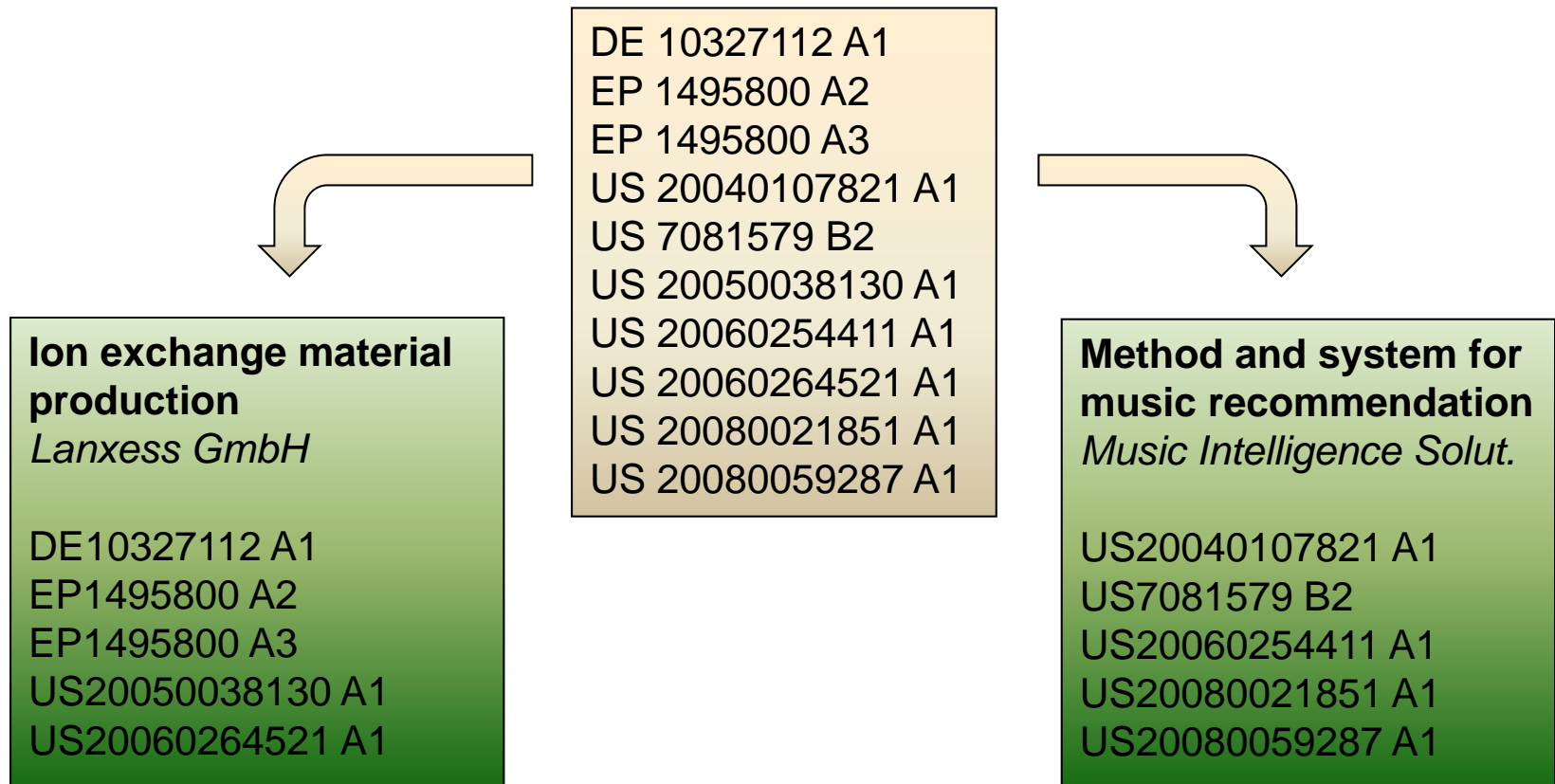
**G10H 7/00** (2006.01)

(52) **U.S. Cl.** ..... **84/608**

### (57) ABSTRACT

An artificial intelligence song/music recommendation system and method is provided that allows music shoppers to discover new music. The system and method accomplish these tasks by analyzing a database of music in order to identify key similarities between different pieces of music, and then recommends pieces of music to a user depending upon their music preferences. An embodiment enables a user to evaluate a new song's similarity to songs already established as commercially valuable.

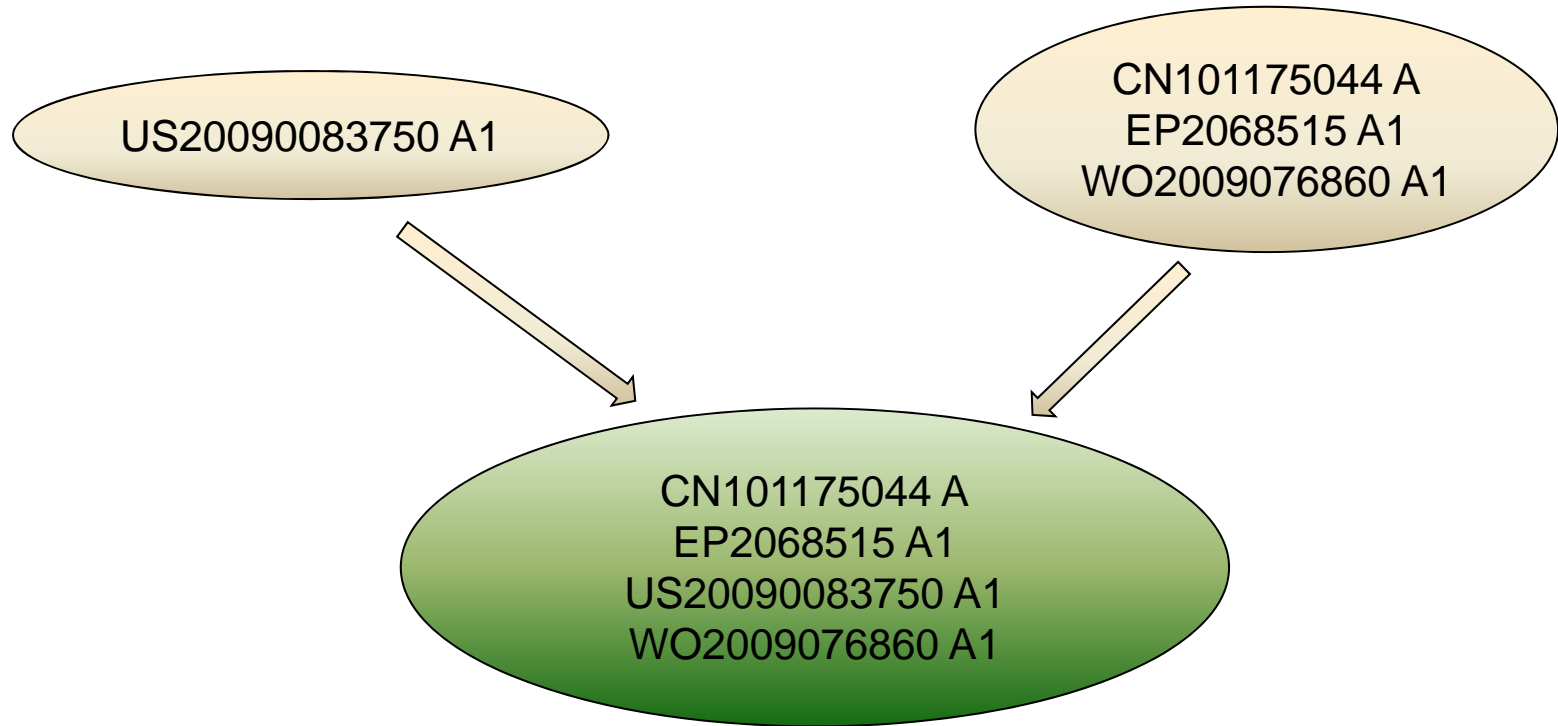
# False patent families are separated due to FIZ Karlsruhe priority number corrections



**Correction of US-priority number of US20080021851:**

US2006-4923~~9~~5 => US2006-4923~~5~~5

# Separate patent families are merged due to FIZ Karlsruhe priority number corrections



**Correction of Chinese priority number of US20090083750:**  
CN2007-~~1~~1017879 => CN2007-1017879~~6~~

# Agenda

- What is INPAFAMDB?
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- **Inventor and patent assignee searching**
- Prior art searching
- Citation searching
- Legal status searching
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# Inventor and assignee searching

- Bibliographic fields
  - Inventors (**IN**), standardized (**INS**)
  - Patent assignees (**PA**), standardized (**PAS**)
- Legal Status fields
  - Patent Assignee (**LSPA**), Opponent (**LSOP**)
  - Inventor (**LSIN**)
  - Free Text (**LSFT**) (unfielded names)
  - **LSBI**: LSIN, LSPA, LSOP + LSFT
- Super Search fields
  - Inventors: **INSS** includes /IN, /INS and /LSIN
  - Assignees: **PASS** includes /PA, /PAS and /LSPA

# Use the Super Search fields

=> FIL INPAFAMDB

=> S (SCHNEIDER(S)WOLFGANG) / INSS , PASS

25384 SCHNEIDER/IN

25323 SCHNEIDER/INS

755 SCHNEIDER/LSIN

25472 SCHNEIDER/INSS

(SCHNEIDER/IN,INS,LSIN)

18247 SCHNEIDER/PA

17544 SCHNEIDER/PAS

2267 SCHNEIDER/LSPA

19928 SCHNEIDER/PASS

(SCHNEIDER/PA,PAS,LSPA)

101070 WOLFGANG/IN

100291 WOLFGANG/INS

3892 WOLFGANG/LSIN

101386 WOLFGANG/INSS

(WOLFGANG/IN,INS,LSIN)

34445 WOLFGANG/PA

31528 WOLFGANG/PAS

1236 WOLFGANG/LSPA

36290 WOLFGANG/PASS

(WOLFGANG/PA,PAS,LSPA)

L1 539 (WOLFGANG(S)SCHNEIDER) / INSS , PASS

**TIP:** Inventors may be listed as inventors or assignees.

Using a broader **(S)** search finds additional answers with middle names and/or initials.

# Display an answer

=> D IN INS PA PAS HIT 1-

```
L1 ANSWER ... OF 539 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN
IN UDERSTADT,KURT
INS UDERSTADT KURT, DE
PA UDERSTADT,KURT
PAS UDERSTADT KURT
```

LEGAL STATUS HIT displays only the relevant part of the LS information.

```
LEGAL STATUS HIT
AN 14543002 INPAFAMDB
19820909 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
[DE 1980-3011076 A 19800320]
UDERSTADT, WOLFGANG SCHNEIDER, GEB. STERNBERG, GER
CHG Change of Owner, Inventor, Applicant
```

1 priority, 1 application, 1 publication

# Patent assignee search: Qiagen

=> FILE INPAFAMDB

=> S QIAGEN/PA,PAS

L1 269 QIAGEN/PA,PAS

=> D BRIEF 1-269

For a standard INPAFAMDB assignee search use both **PA** and **PAS**.

Use the **BRIEF**-format to display the inventions of Qiagen.

AN 39560094 INPAFAMDB EDF 20100701 EWF 201026 UPFB 20100812 UWF 201032  
TI Praeparation und Amplifikation von Nukleinsaeuren mittels .....  
- PREPARATION AND AMPLIFICATION OF NUCLEIC ACIDS BY MEANS OF MAGNETIC  
PARTICLES.  
INS HIMMELREICH RALF, DE; ROTHMANN THOMAS, DE; FABIS ROLAND, DE....  
PAS QIAGEN GMBH, DE  
- HIMMELREICH RALF, DE; ROTHMANN THOMAS, DE; FABIS ROLAND, DE; ERBACHER  
CHRISTOPH, DE  
IPCI C12Q0001-68 [I,A ]; C12M0001-38 [I,A ]; C12N0015-10 [I,A  
AB (WO 2010072822 A2)

The invention relates to the preparation of a biological sample for performing verifications and examinations, wherein the aim . . .

## PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
DE 102008055120	A1 20100701	DE 2008-102008055120 A	20081223
WO 2010072822	A2 20100701	WO 2009-EP67882	W 20091223

. . . .

# Patent assignee search: Qiagen

```
=> S QIAGEN/LSPA
L2          232 QIAGEN/LSPA
```

The legal status field **LSPA** retrieves 68 additional patent family records (L3).

```
=> D L2 NOT L1
L3          68 L2 NOT L1
```

Use **BRIEF HIT** to display additional inventions of Qiagen.

```
=> D BRIEF HIT
```

```
AN          36842278 INPAFAMDB EDF 20080612 EWF 200824 UPFB 20100514
```

```
TI          Neuer Tumormarkierer.
            - Novel tumor marker.
```

**LSPA** applicant reassignment field includes:

- corrections or new company names
- transfer of ownership

```
PAS          ADNAGEN AG, DE
```

```
.....
PATENT FAMILY INFORMATION INPAFAMDB
```

+----- Publications -----+		+----- Applications -----+	
EP 1930345	A1 20080611	EP 2006-25220	A 20061206
US 20080305480	A1 20081211	US 2007-952006	A 20071206

```
LEGAL STATUS HIT
```

```
AN          36842278 INPAFAMDB UPFL 20100603
20100317 EPRAP1      TRANSFER OF RIGHTS OF AN EP
                    [EP 2006-25220      A 20
```

These additional Qiagen records are important for statistical analysis and due diligence studies.

```
QIAGEN GMBH
```

```
CHG Change of Owner, Inventor, Applicant
```

```
201011.....20100319
```

# Additional tips for name searches

- Allow for misspellings due to typos or transliteration
- Inventor names may be: *Surname, Initial(s)*  
(no full first name given)
- Non alpha-numeric characters are replaced with an (S) operator by STN
  - Use quotation marks to retain special characters  
=> S “FISCHER & PORTER”/PA
  - Use truncation to retrieve names in which the query phrase is embedded  
=> S “FISCHER & PORTER”?/PA

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# Prior art search options

- Applicant title (/TI)
  - Over 29 million records (78%) have applicant titles
- Applicant abstract (/AB)
  - Over 19 million records have applicant abstracts
  - 26 million abstracts from over 50 patent authorities
- Classifications
  - IPCs available for over 32 million records (/IPC)
  - ECLA available for over 14 million records (/EPC)

**Note:** The Basic Index (/BI) comprises Title (TI) and Abstract (AB).

# Find terms in other languages using titles

=> S WIND#(2A)TURBIN? OR WIND(W)(POWER OR ENERGY)(W)(PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

L1 11393 WIND#(2A)TURBIN? OR WIND(W)(POWER OR ENERGY)(W)(PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

Broad text search.

=> S L1 AND EP/PC

L2 1926 L1 AND EP/PC

Limit to EP to retrieve equivalent titles in other languages.

=> FOCUS L2

L3 1926 FOCUS L3 1-

FOCUS sorts the records by relevance.

=> D TI 1-10

L3 ANSWER .. OF 1926 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN

TI - SCHALLREDUZIERUNG EINES ROTORBLATTES FUER EINE WINDTURBINE.

- Reduction in the noise produced by a rotor blade of a wind turbine.

- DIMINUTION DU BRUIT PRODUIT PAR UNE PALE DE ROTOR DESTINEE AUNE TURBINE EOLIENNE.

- Rotorblatt fuer eine Windenergieanlage...

L3 ANSWER .. OF 1926 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN

TI Method for the erection of a wind energy plant and wind energy plant.

- PROCEDE D'INSTALLATION D'UN DISPOSITIF EOLIEN ET DISPOSITIF EOLIEN.

Option: also review abstracts for additional terms, e.g.: => D TI ABS

# Identify relevant IPC classifications

=> ANALYZE L1 1- IPC EPC

L4 ANALYZE L1 1- IPC EPC : 55

L1 is the result of the broad text search (previous slide).

=> D TOP 10 IPC

L4 ANALYZE L1 1- IPC EPC : 5571 TERMS

TERM #	# OCC	# DOC	% DOC	IPC	EPC
1	13337	2466	32.40	F03D0011-00	
2	11483	2408	31.64	F03D0009-00	
3	7926	1901	24.98	F03D0001-00	
4	6925	1837	24.14	F03D0007-00	
5	4535	1649	21.67	F03D0003-00	
6	4276	984	12.93	F03D0001-06	
7	4002	741	9.74	F03D0007-02	
8	3994	1123	14.76	F03D0011-04	
9	3920	843	11.08	F03D0007-04	
10	2862	471	6.19	H02P0009-00	

The top IPCs are all in the same subclass, F03D.

**Tip:** SET ICFORMAT ON PERM to ensure that pre-reform IPC codes are the same length as modern IPC Reform codes, providing consistent analysis throughout the backfile.

# Review IPC descriptions using the online IPC thesaurus

=> E F03D+NT/IPC

**Tip:** Type **HELP RCODES** to review all of the thesaurus relationship codes.

E1	26859	-->	F03D/IPC WIND MOTORS
E2	6267	NT1	F03D0001-00/IPC Wind motors with rotation axis substantially in wind direction (controlling F03D0007-00) CORE VALID FROM 19680901 TO PRESENT ( IPC EDITION: 1-8 )
E3	918	NT2	F03D0001-02/IPC . having a plurality of rotors ADVANCED VALID FROM 19680901 TO PRESENT (IPC EDITION: 1-8)
			001-04/IPC ing stationary wind-guiding means, e.g. shrouds or channels (F03D0001-02 takes precedence) ADVANCED VALID FROM 19680901 TO PRESENT (IPC EDITION: 1-8)
E5	2942	NT2	F03D0001-06/IPC . Rotors ADVANCED VALID FROM 19680901 TO PRESENT (IPC EDITION: 1-8)

Narrower and broader terms are clearly indicated.

# Identify relevant ECLA (EPC) classifications

=> D TOP 10 EPC

L4 ANALYZE L1 1- IPC EPC :

TERM #	# OCC	# DOC	% DOC	IPC	EPC
11	2478	422	5.55	F03D0011-00	
13	1705	468	6.15	F03D0011-04	
16	1589	277	3.64	F03D0007-02D	
21	1111	188	2.47	F03D0007-04	
23	998	194	2.55	F03D0001-00B	
24	978	212	2.79	F03D0001-06B	
25	961	196	2.58	F03D0009-00C	
26	909	166	2.18	F03D0001-06C	
30	772	169	2.22	F03D0011-02	
32	721	113	1.48	F03D0009-00C2	

L4 is the analysis of the broad text search (L1) on slide 25.

The top 10 ECLAs are also in subclass F03D, but is the definition the same?

**Tip:** Simultaneous analysis of IPC and EPC incurs only one ANALYZE fee.

STN Online and Results - [STN K]

File Edit Online Query Results Preferences! Web Window Help

File LAST UPDATED: 2 SEP 2010 <201009  
2 SEP 2010 <201009  
MOST RECENT DOCDB WEEK: 201035 <201009  
FILE COVERS 1790 TO DATE.

Updated PDF files in the following links:  
[http://www.stn-international.de/IdT\\_EPO.html](http://www.stn-international.de/IdT_EPO.html)  
[http://www.stn-international.de/ico\\_1008.html](http://www.stn-international.de/ico_1008.html)  
[http://www.stn-international.de/epc\\_1008.html](http://www.stn-international.de/epc_1008.html)  
Supplement of all changed ECLA items:  
[http://www.stn-international.de/ec1a\\_1008s.html](http://www.stn-international.de/ec1a_1008s.html) <<<

>>> A learning file LINPAFAMDB is available ! <<<

>>> FOR MORE INFORMATION AND FURTHER NEWS ABOUT INPAFAMDB SEE:  
<http://www.stn-international.de/inpafamdb.html> <<<

>>> Copies of the INPADOCDB/INPAFAMDB manuals (February 2010) in English or German see:  
[http://www.stn-international.de/inpadocdb\\_inpafamdb\\_handbook.html](http://www.stn-international.de/inpadocdb_inpafamdb_handbook.html)  
[http://www.stn-international.de/inpadocdb\\_inpafamdb\\_handbuch.html](http://www.stn-international.de/inpadocdb_inpafamdb_handbuch.html) < <<

>>> January / February 2010 - For enhancements see:  
[http://www.stn-international.de/INPADOC\\_NEWS\\_201001.pdf](http://www.stn-international.de/INPADOC_NEWS_201001.pdf)  
[http://www.stn-international.de/INPADOC\\_NEWS\\_201002.pdf](http://www.stn-international.de/INPADOC_NEWS_201002.pdf) <<<

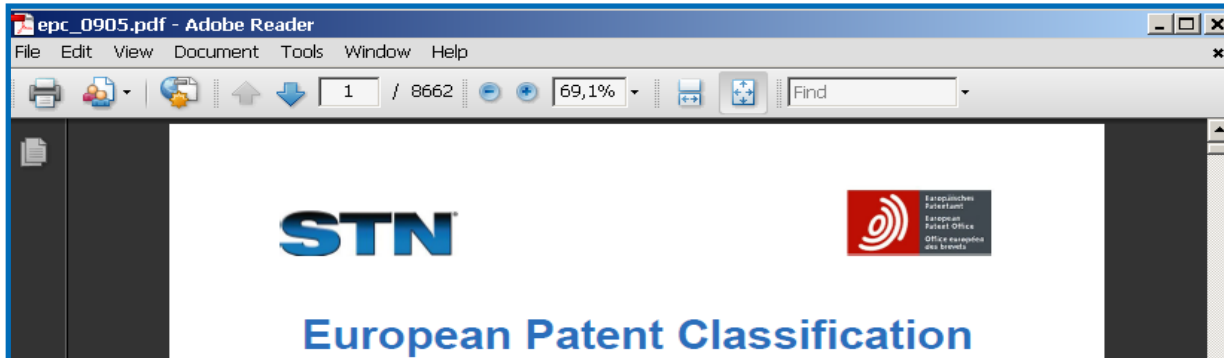
>>> Enhanced coverage of citation information - for details see  
[http://www.stn-international.com/inpadoc\\_news\\_201007.html](http://www.stn-international.com/inpadoc_news_201007.html)

=>

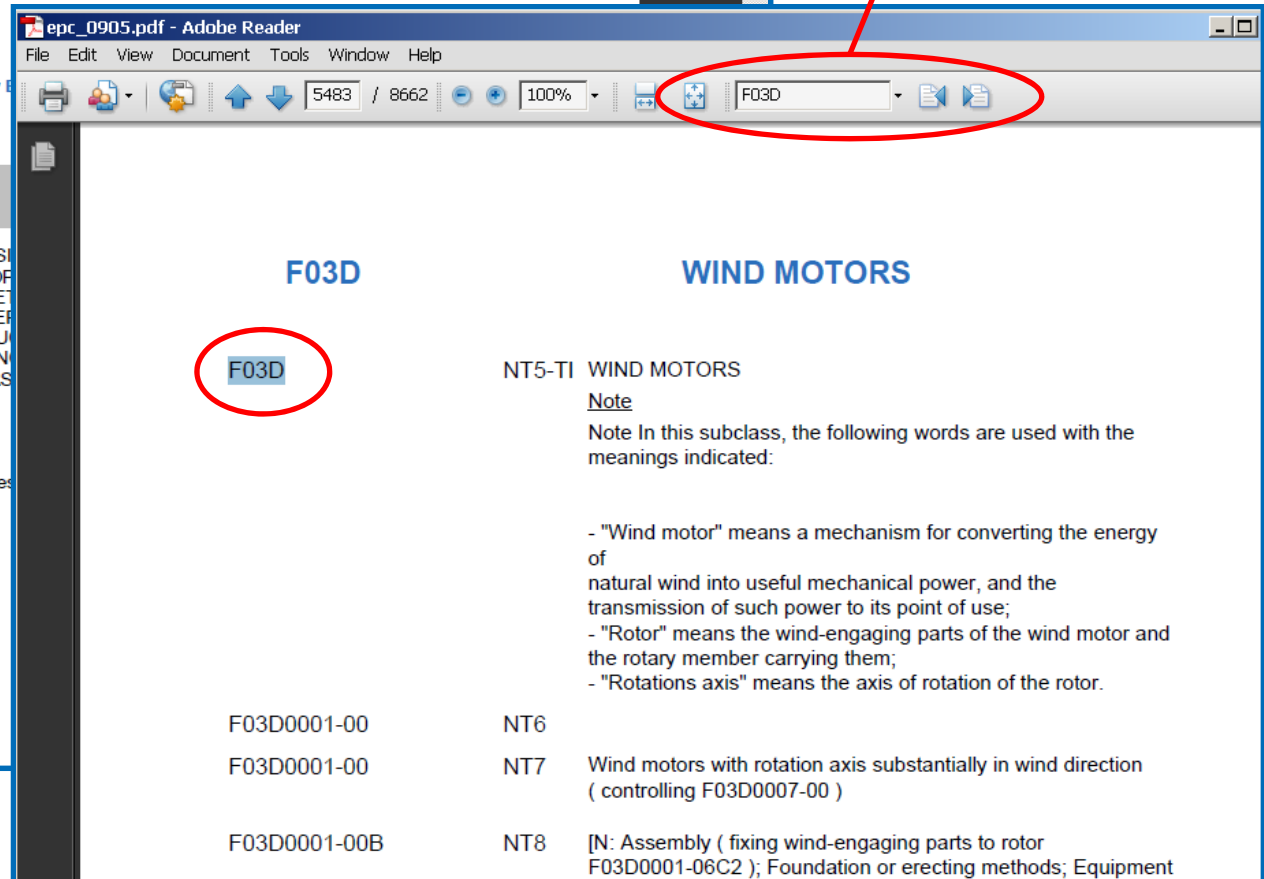
Discover! Transcript INPAFAMDB INS Hold Off Print Off Online 00:02:13

Select Discover! Wizard  
Search history  
Show ▲

Links to the current month's version of ECLA (/EPC) are available in the file entry banner.



Search for terms or ECLA symbols.



# Surely IPC is enough?

=> S F03D/IPC,EPC

L1 27281 F03D/IPC,EPC

IPC and EPC F03D subclass search.

=> S F03D/EPC NOT F03D/IPC

L2 420 F03D/EPC NOT F03D/IPC

Maybe not...?

=> D BIB IPC EPC

L2 ANSWER 1 OF 420 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN  
AN 38640561 INPAFAMDB EDF 20091203 EWF 200949 UPFB 20100701 UWF 201026  
DN 59846694

TI Faired tether for wind power generation systems.

- CABLE D'ATTACHE CARENE POUR SYSTEMES DE PRODUCTION D'ENERGIE  
EOLIENNE.

INS GRIFFITH SAUL, US; LYNN PETER, US; MONTAGUE DON, US; . . . .

PAS MAKANI POWER INC

- MAKANI POWER INC, US

PI US 20090289148 A1 20091126

WO 2009142762 A1 20091126

AI US 2008-154685 A 20080523

WO 2009-US3179 W 20090521

PRAI US 2008-154685 A 20080523 (USA, 20091203, Y)

. . . .

IPCI B64C0031-06 [I,A ]; A63H0027-08 [I,A ]; B64C0031-00

[I,C\*]; A63H0027-00 [I,C\*]

EPC **F03D0005-00**; B63H0009-06E; B63H0009-08; D07B0005-00C

Definitely not... and notice there isn't even an EP member!

# Searching for wind turbine inventions with a priority application before 1970

=> S F03D/IPC,EPC

L1 27281 F03D/IPC,EPC

IPC and EPC F03D subclass search.

=> S WIND#(2A)TURBIN? OR WIND(W)(POWER OR ENERGY)(W)(PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

L2 11393 WIND#(2A)TURBIN? OR WIND(W)(POWER OR ENERGY)(W)(PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

=> S ?WINDENERGIEANLAG? OR ?WINDTURBIN? OR (EOLIEN? OR VENT#)(2A)TURBIN?

L3 2282 ?WINDENERGIEANLAG? OR ?WINDTURBIN?  
VENT#)(2A)TURBIN?

Use multiple languages for more comprehensive retrieval.

=> S L1-L3 AND PRY<1970

L4 2025 (L1 OR L2 OR L3) AND PRY<1970

Limit results to have, a priority year (PRY) before 1970.

=> FOCUS L4

PROCESSING COMPLETED FOR L4

L5 2025 FOCUS L4 1-

Display titles and abstracts **free-of-charge** for a fast relevance check.

=> D TI ABS

L5 ANSWER 1 OF 2025 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN

TI Improvements in wind power plants. . . .

# Searching for wind turbine inventions with a priority application before 1970 (cont.)

=> D BRIEF

Display relevant answers in display format BRIEF.

L5 ANSWER 1 OF 2025

AN 7872335 INPAFAMDB

TI Improvements in **wind-power plant** with a centrifugal governor.

INS HUTTER ULRICH

PAS ALLGAIER WERKZEUGBAU G M B H

IPCR **F03D0007-02** [I,A ]; **F03D0007-00**

EPC **F03D0007-02D**

AB (GB 722978 A)

IPC backfile reclassification provides simplified retrieval of older patent publications.

722,978. Wind-motors. ALLGAIER WERKZEUGBAU GES. Dec. 3, 1952, Number 30631/52. Class 110 (3). A **wind-power plant** comprises an electric generator n driven by a vane wheel through suitable speed-raising transmission gearing f, g, h, i, k interposed there between . . .

## PATENT FAMILY INFORMATION INPAFAMDB

+----- PUBLICATIONS -----+

GB 722978 A 19550202

+----- APPLICATIONS -----+

GB 1952-30631 A 19521203

+----- PRIORITIES -----+

GB 1952-30631 A 19521203

1 priority, 1 application, 1 publication

# Adding INPAFAMDB to a multi-file prior art search with DWPI is quite simple

=> FILE WPINDEX

=> S (LIGHT EMITTING DIODE# OR LED#) AND (HEAD(W)(LIGHT# OR LAMP#) OR HEADLIGHT# OR HEADLAMP#)

L1 2697 (LIGHT EMITTING DIODE#/BI,BIEX OR I,BIEX(W)(LIGHT#/BI,BIEX OR LAMP#,BIEX OR HEADLAMP#/BI,BIEX)

=> D SCAN

L1 2697 ANSWERS WPINDEX COPYRIGHT 2010 THOMSON REUTERS on STN

TI Light emitting diode (LED) electric light bulb used as headlight of vehicle includes reflective mirror to duplicate radiation of radiated light in direction can be made possible

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L1 2697 ANSWERS WPINDEX COPYRIGHT 2010 THOMSON REUTERS on STN

TI Ceramic package for LED used in e.g. headlight of vehicle, has fillet including high concentration of pure silver deposited over metal layer formed at LED-mounting cavity, to reflect light from LED

Tip: consider using:

=> SET PLURALS ON

=> SET SPELLINGS ON

=> SET SFIELDS BI BIEX

D SCAN provides a free-of-charge relevance check in WPINDEX.

# Adding INPAFAMDB to a multi-file prior art search with DWPI is quite simple (cont.)

```
=> FILE INPAFAMDB
=> TRANSFER L1 PN APPS
L2      TRANSFER L1 1- PN APPS:
L3      2656 L2
```

Use TRANSFER PN APPS from DWPI (L1) to retrieve the corresponding INPAFAMDB family records (L3).

```
=> S (LIGHT EMITTING DIODE# OR LED#) AND (HEAD(W)(LIGHT# OR
      LAMP#) OR HEADLIGHT# OR HEADLAMP#)
```

```
L4      1011 (LIGHT EMITTING DIODE# OR LED#) AND (
          LAMP#) OR HEADLIGHT# OR HEADLAMP#)
```

Repeat the text search in INPAFAMDB (L4).

```
=> S L4 NOT L3
```

```
L5      236 L4 NOT L3
```

```
=> D TI ABS 1-20
```

```
. . . .
```

```
L5      ANSWER 12 OF 236          INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN
```

```
TI      Light emitting diode lamp cap structure.
```

```
AB      The utility model relates to a light emitting diode lamp cap
structure, which comprises a metal outer tube, a radiating rod, a
light emitting diode module, a convex lens, a front cover and a metal
rear cover, wherein a plurality of radiating grooves and a . . .
```

```
. . . .
```

Isolate and review the uniquely retrieved INPAFAMDB records (L5).

# Example: unique INPAFAMDB record

=> D BRIEF 12

L5 ANSWER 12 OF 236 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN  
AN 38712071 INPAFAMDB EDF 20091224 EWF 200952 UPFB 20100312 UWF 201010

TI **Light emitting diode** lamp cap structure.

INS WENJIN JIAN, CN

PAS WENJIN JIAN, CN

IPCI F21S0002-00 [I,A ]; F21V0005-04 [I,A ]; F21V0015-02 [I,A ]; . . .

AB (CN 201354960U Y)

The utility model relates to a **light emitting diode** lamp cap structure, which comprises a metal outer tube, a radiating rod, a light emitting diode module, a convex lens, a front cover and a metal rear cover, wherein a plurality of radiating grooves and a plurality of assembling . . . . **The light emitting diode** lamp cap structure is widely applied to lamps for indoor and outdoor illumination such as desk lamps, recessed lamps, clip lamps, landscape lamps and lamps for auxiliary illumination such as bicycle **head lamps** and warning lamps.

## PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+ +----- Applications -----+

CN 201354960U Y 20091202 CN 2009-20001726U U 20090121

+----- Priorities -----+

CN 2009-20001726U U 20090121

1 priority, 1 application, 1 publication

# Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and patent assignee searching
- Prior art searching
- **Citation searching**
- Legal status searching
- Alerts (SDIs)

# INPAFAMDB patent citations

- Patent citations in about **8 million** patent families
- Cited references from **23** patent authorities including both patent and non-patent literature citations
  - AP, AU, BE, BG, CH, CY, CZ, DE, DK, EA, EP, ES, FI, FR, GB, GR, JP, LU, NL, SG, TR, US, WO
- In addition to citation information created by the EPO, INPAFAMDB includes citation data from:
  - Trilateral exchange with the JPO and USPTO
  - International search reports supplied by WIPO and the International Search Authorities (ISAs)  
AT, AU, CA, CN, ES, FI, KR, RU, SE
  - Search reports from national patent offices  
AT, AU, BE, CH, DE, FR, GB, NL, TR

# Common citation searches

- Competitive intelligence
  - “Who is becoming active in my technology area?”
  - Identify key patents of particular area of technology
- Prior art searches
  - One more tool to find additional references
- Validity searches
  - Especially if any of the citations are category “X”

# Example: competitive intelligence searching

=> S QIAGEN/PASS

L1 340 QIAGEN/PASS

=> TRANSFER L1 1- PN /RPN

L2 TRANSFER L1 1- PN : 2268 TERM

L3 1669 L2/RPN

=> S L3 NOT QIAGEN/PASS

L4 1524 L3 NOT QIAGEN/PASS

=> D TI PAS PI REP

L4 ANSWER 1 OF 1524 INPAFAMDB COPYRIGHT

TI DELIVERY OF NUCLEIC ACIDS USING CELL-PENETRATING PEPTIDES.

- INTRODUCTION D'ACIDES NUCLEIQUES A L'AIDE DE PEPTIDES PENETRANT DANS LES CELLULES.

PAS TROJAN TECHNOLOGIES LTD, GB

- EPENETOS AGAMEMNON, GB; KOUSPAROU CHRISTI

PI US 20100190691 A1 20100729

WO 2010086597 A1 20100805

REP **WO 2006053683 A2 20060526 (SEA, pat, Cat: X)**

- WO 2003008628 A2 20030130 (SEA, pat, Cat: X)

- DE 10338464 A1 20050331 (SEA, pat, Cat: X)

- KR 2008041037 A 20080509 (SEA, pat, Cat: X)

- WO 2004007721 A1 20040122 (SEA, pat, Cat: Y)

- WO 2002020544 A1 20020314 (SEA, pat, Cat: A)

Which patent families of Qiagen have been cited?

1. Search for Qiagen (L1).

2. TRANSFER publication numbers (PN) to the referenced publication number field (RPN).

3. Exclude self-citations (L4).

Use the REP field to display referenced (cited) patents.

The cited Qiagen patent publication.

# Competitive intelligence searching (cont.)

=> S L3(S)X/CAT NOT QIAGEN/PASS

L5 342 L3(S)X/CAT NOT QIAGEN/PASS

=> D TI PAS PI REP 2

L5 ANSWER 2 OF 342 INPAFAMDB COPYRIGHT 2  
TI SENSOR SYSTEM FOR DETERMINING CONCENTRATI  
BIOLOGICAL ANALYTES.

- SYSTEME DE CAPTEUR POUR LA DETERMINATION  
D'ANALYTES CHIMIQUES ET BIOLOGIQUES.

PAS XIAO CAIBIN; SHRIKHANDE PRASHANT VISHWANA

- GEN ELECTRIC, US; XIAO CAIBIN, US; SHRIKH

PI US 20100167412 A1 20100701

WO 2010077605 A1 20100708

REP EP 1054250 A1 20001122 (SEA, pat, Cat: X)

- **WO 2004083082 A2 20040930 (SEA, pat, Cat: X)**

- WO 9832002 A1 19980723 (SEA, pat, Cat: X)

- US 20080192255 A1 20080814 (SEA, pat, Cat: A)

- US 5437979 A 19950801 (SEA, pat, Cat: A)

- DE 102004046366 A1 20060209 (SEA, pat, Cat: A)

- WO 2003004164 A1 20030116 (SEA, pat, Cat: A)

Which patent publications of Qiagen have been cited as "x-documents"?

Use (S) proximity to link Qiagen cited publication numbers (/RPN) with search report category (/CAT).

Cited patent references are conveniently de-duplicated between family members in the standard REP display.

The hit Qiagen publication is a high relevance X category citation.

# Competitive intelligence searching (cont.)

=> ANALYZE L5 1- PAS

L6 ANALYZE L5 1- PAS : 1235 T

Which assignees/applicants cite patents of Qiagen?

=> D DOC

L6 ANALYZE L5 1- PAS : 1235 T

ANALYZE the standardized patent assignee name PAS.

TERM #	# OCC	# DOC	% DOC	PAS
1	57	11	3.22	APPLERA CORP
2	10	8	2.34	LIFE TECHNOLOGIES CORP
3	36	7	2.05	HOFFMANN LA ROCHE
4	36	7	2.05	INVITROGEN CORP
5	26	7	2.05	ROCHE DIAGNOSTICS GMBH
6	76	5	1.46	BECTON DICKINSON CO
7	61	5	1.46	PROMEGA CORP
8	20	5	1.46	FUJI PHOTO FILM CO LTD
9	14	5	1.46	AGILENT TECHNOLOGIES INC
10	12	5	1.46	BENDZKO PETER

Display the ANALYZE result by document (DOC) count.

# Search report category definitions /CAT

- A** technological background
- D** document cited in the application
- E** earlier application or patent but published on or after the international filing date
- L** document cited for other reasons
- O** non-written disclosure
- P** intermediate document
- T** theory or principle underlying the invention
- X** particularly relevant if taken alone
- Y** particularly relevant if combined with another document of the same category

# Search Report Type definitions /SRT

<b>SEA</b>	citation from search report
<b>APP</b>	cited by applicant
<b>EXA*</b>	revealed during examination
<b>OPP*</b>	revealed during opposition
<b>115*</b>	observation by third parties
<b>ISR**</b>	international search report
<b>SUP**</b>	supplementary search report
<b>CH2**</b>	internat. prelimin. search report (chp. II)

\* EP-publications, \*\* PCT-publications

# Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and patent assignee searching
- Prior art searching
- Citation searching
- **Legal status searching**
- Alerts (SDIs)

# INPAFAMDB legal status provides more than 2600 different types of legal status event

L1 ANSWER 1 OF 1

INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA

PILS display.

PI DE 102007036950 A1 20090219  
PI DE 102007036950 B4 20090423

Legal status code definition (/LSTX).

## LEGAL STATUS

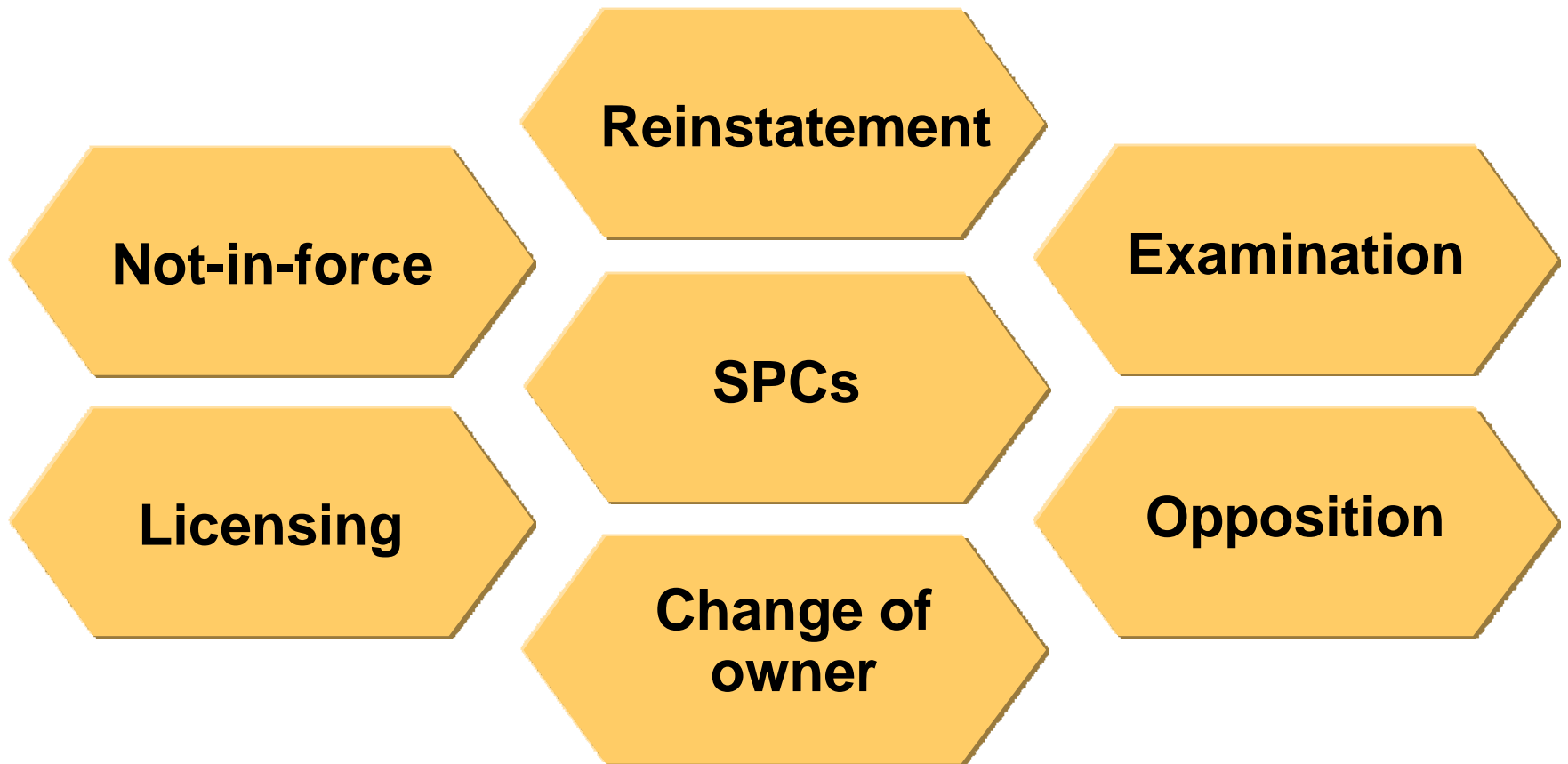
AN 37685947 INPAFAMDB

20090219	DEOP8	+ REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW EXA Examination, Search Report .....20090219
20091015	DE8364	+ NO OPPOSITION DURING TERM OF OPPOSITION .....20091015
20100506	DE8327	CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER NEIS, BERNHARD, 31604 RADDESTORF, DE CHG Change of Owner, Inventor, Applicant .....20100506
20100624	DE8339	- CEASED/NON-PAYMENT OF THE ANNUAL FEE NIF Lapses, Expiries, Withdrawals, Refusals .....20100624

Legal status codes (/LSC).

Legal status update date (/UPLS).

# FIZ Karlsruhe assigned legal status categories simplify legal status searches



# FIZ Karlsruhe assigned legal status categories (/LSC2)

- CHG** Change of Owner, Inventor, Applicant
- EXA** Examination, Search Report
- LIC** Licensing
- NIF** Lapses, Expiries, Withdrawals, Refusals
- ORE** Opposition, Reexamination
- REI** Reinstatement or Restoration
- SPC** Supplementary Protection Certificate

Summary information on INPAFAMDB SPC coverage is provided at:  
<http://www.epo.org/patents/patent-information/raw-data/inpadoc-faq.html>

# Example: Lapse, expiry, withdrawal, or refusal (NIF) of Syngenta inventions

```
=> S SYNGENTA/PASS AND NIF/LSC2
L1      2050 SYNGENTA/PASS AND NIF/LSC2
```

```
=> D TI HIT L1
```

```
L1      ANSWER ... OF 2050      INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN
TI      Novel protein, gene encoding the same and method of using the same.
PA      JAPAN TOBACCO INC.; SYNGENTA LIMITED
PAS     JAPAN TOBACCO INC; SYNGENTA LTD
```

```
LEGAL STATUS HIT
```

```
AN      35842884 INPAFAMDB UPFL 20080424
```

```
20080320 AUMK1      - APPLICATION LAPSED SECTION 142(2)(A) - NO REQUEST FOR
EXAMINATION IN RELEVANT PERIOD [AU2007203494A]
NIF Lapses, Expiries, Withdrawals, Refusals
200817.....20080424
```

The category **NIF** includes lapses, withdrawals, expiries, and/or refusals.

**Option:** Display just the HIT legal status using **D HIT**.

1 priority, 1 application, 1 publication

# Example: Henkel inventions with EP applications which have been withdrawn in 2010

```
=> S HENKEL/PASS AND EP/LSCC(L)WITHDRAWN/LSTX(L)2010/UPLS
L1      64 HENKEL/PASS AND EP/LSCC(L)WITHDRAWN/LSTX(L)2010/UPLS
```

```
=> D BIB HIT 2
```

```
L7      ANSWER 2 OF 64      INPA
AN      38083532 INPAFAMDB EDF 2
DN      58863840
TI      Spielwasseraufbereitung
        Rueckfuehrung von VE-Wasser in das Spelwassersystem.
```

/LSCC: legal status country (authority) codes  
 /LSTX: text definition of legal status codes.  
 /UPLS: update date, legal status.  
 (L)-proximity: precisely confines the search elements to be within one legal status entry.

- Washing water preparation in dip painting with complete return of used water into the washing water system.
- Preparation d'eau de nettoyage dans le vernissage au trempé avec recuperation complete de l'eau usee dans le systeme d'eau de rincage.

```
INS     PEIROW IRADJ, DE
PAS     HENKEL AG & CO KGAA, DE
PI      DE 102007061504      A1 20090625
        EP 2072473           A1 20090624
AI      DE 2007-102007061504 A 20071218
        EP 2008-19889       A 20081114
PRAI   DE 2007-102007061504 A 20071218 (DEA, 20090625, Y)
```

# Example: Henkel inventions with EP applications which have been withdrawn in 2010 (cont.)

REC 1. THERE IS 1 CITED REFERENCE (1 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

- 6. THERE ARE 6 CITED REFERENCES (5 PATENT, 1 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

1 priority, 2 applications, 2 publications

PA HENKEL AG & CO. KGAA

PAS HENKEL AG & CO KGAA, DE

PA HENKEL AG & CO. KGAA

PAS HENKEL AG & CO KGAA, DE

LEGAL STATUS HIT

AN 38083532 INPAFAMDB UPFL 20100729

20100728 EP18D - DEEMED TO BE WITHDRAWN

[EP 2008-19889 A 20081114]

20100126

NIF Lapses, Expiries, Withdrawals, Refusals

.....20100729

All the searchable elements of one legal status event are associated with (L)-proximity.

1 priority, 2 applications, 2 publications

# Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and patent assignee searching
- Prior art searching
- Citation searching
- Legal status searching
- Alerts (SDIs)

# INPAFAMDB offers focused, customizable weekly and monthly alert options

- Options for patent family monitoring
  - all new family members
  - family members from particular countries only
  - granted patents only
  - specific publication types only, e.g. EP A1, EP A2
- Options for legal status monitoring
  - all legal status changes for a particular publication
  - all legal status changes for all family members
  - specific legal status events only
  - specific events can be excluded from legal status SDI

See also: INPAFAMDB User Documentation:

[http://www.stn-international.com/stn\\_inpadoc\\_famdb.html](http://www.stn-international.com/stn_inpadoc_famdb.html)

# INPAFAMDB update code options

New record (basic) EDF

New family member UPFD

New publication UPFP

Update to bibliography UPFB

Update to legal status (LS) UPFL

New publication or LS UPFE

Any change to bibliography or LS UPFA

Any update (update maximum) UPM

Specialized update codes for patent family and legal status monitoring.

See the INPAFAMDB database summary sheet at:  
<http://www.stn-international.com/inpafamdb.html>

# Example: monitor key ExxonMobil patents each month for any new family members or legal status

```
=> QUE (US5358792/PN OR US5741563/PN OR US5747430/PN OR
      US6391467/PN OR US6428901/PN OR US6455150/PN OR US6500563/PN
      OR US6790405/PN OR US7026040/PN OR US7244787/PN)/PN
```

```
L1  QUE (US5358792/PN OR U
      US6428901/PN OR US
      US7026040/PN OR US
```

The **UPFE** update code and **FFAMED4** display, are a typical choice for monthly SDIs tracking the latest family members and Legal Status updates.

```
=> SDI
```

```
ENTER QUERY L# FOR SDI REQUEST OR (END):L1
ENTER UPDATE FIELD CODE (UP), UPFA, UPM, UPFL, . . . OR ? :UPFE
. . . .
ENTER SDI REQUEST NAME, (AA007/S), OR END:EXXONPPF3/S
ENTER TITLE (NONE):EXXONMOBIL PROPYLENE FILM PATENTS
ENTER METHOD OF DELIVERY (EMAIL), OFFLINE, OR ONLINE:EMAIL
ENTER EMAIL ID (4209K):ROBERT.AUSTIN@FIZ-KARLSRUHE.DE
. . . .
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN? Y/(N): N
ENTER PRINT FORMAT (BIB.M) OR ? :CFAM FFAMED4
. . . .
ENTER SDI RUN FREQUENCY - (WEEKLY), MONTHLY, OR ? :MONTHLY
ENTER SDI EXPIRATION DATE 'YYYYMMDD' OR (NONE):NONE
QUERY L1 HAS BEEN SAVED AS SDI REQUEST 'EXXONPPF3/S'
```

**Example: ExxonMobil SDI email.**

Message    Adobe PDF

From: 4209K@stnk.fiz-karlsruhe.de  
To: Austin, Robert  
Cc:  
Subject: STN Results: EXXONMOBIL PROPYLENE FILM PAT

Your STN results are just a click away. Information as you like it, STN is proud to

Click on a link below to retrieve your results.  
Title: **EXXONMOBIL PROPYLENE FILM**  
Reference Number: **AK80233K**  
Number of Answers: **2**  
File Name: **INPAFAMDB**  
SDI Name: **EXXONPPF3/S**  
SDI Run Number: **008**  
SDI Run Date: **AUG 29, 2010**

- 1. [RTF \(Rich Text Format\)](#)
- 2. [PDF \(Adobe Portable Document Format\)](#)
- 3. [HTML \(Hypertext Markup Language\)](#)
- 4. [Plain Text \(ASCII\)](#)

Links will expire 90 days from the date this message is sent.

If you have any questions regarding these results, please contact your STN Desk.

**STN®** - Your Connection to Science

STN Results: EXXONMOBIL PROPYLENE FILM PAT - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://stnweb.fiz-karlsruhe.de/cgi-bin/eprint/AK80233K.html?SsZSSX17U

Most Visited FIZ Remote STN International STN/CAS USPTO search PATENTSCOPE Search Esp@cenet SB

STN Results: EXXONMOBIL PROPYLEN...

AK80233K 30 AUG 2010 13:31:40

SDI REQUEST 'EXXONPPF3/S'  
EXXONMOBIL PROPYLENE FILM PATENTS  
RUN # 008 - AUG 29, 2010

2 ANSWERS PRINTED IN FORMAT 'CFAM FFAMED4'  
FILE 'INPAFAMDB'  
USING QUERY:

L1	QUE	(US5358792/PN OR US5741563/PN OR US5747430/PN OR US6391467
	/PN O	
	5/PN	
L2	QUE	
	C2 (I	
L3	2 SEA	E

L3 ANSWER 1 OF 2      INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN

[Full Text](#)

PATENT FAMILY INFORMATION  
AN 10939425 INPAFAMDB

+-----PI-----+

Done

Results may be viewed in several formats, e.g. HTML (shown here).

# Example: ExxonMobil SDI result

L2 ANSWER 1 OF 2 INPAFAMDB COPYRIGHT 2010 EPO/FIZ KA on STN

PATENT FAMILY INFORMATION  
AN 10939425 INPAFAMDB

```
+-----PI-----+
CA 2228557          A1 19970327
CN 1196740          A  19981021
CN 1077119C         C  20020102
DE 69637122         D1 20070719
DE 69637122         T2 20071018
EP 854890           A1 19980729
EP 854890           B1 20070606
```

This SDI regularly delivers a list of publication numbers (CFAM), details of new publications, and/or legal status changes from the previous month of updates (FFAMED4).

. . . .  
3 priorities, 9 applications, 12 publications

-----  
MEMBER 4  
-----

```
AN 10939425 INPAFAMDB
DN 23546175
PI EP 854890          A1 19980729

AN 10939425 INPAFAMDB ED 20070608 EW 2007
DN 23546175
PI EP 854890          B1 20070606
```

Over the previous month of updates, EP 854890 B1 has lapsed in the Netherlands (NL).

```
LEGAL STATUS MONTHLY UPDATE
AN 10939425 INPAFAMDB
20100730 EPPG25 - LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT
INFORM. FROM NAT. OFFICE TO EPO
LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
NL: 20100401
NIF Lapses, Expiries, Withdrawals, Refusals
201031.....20100805
```

# Key features and benefits of INPAFAMDB

- A family-based file design ideal for prior art searches with CAplus and Derwent World Patents Index
- FIZ Karlsruhe editorial corrections for accurate and comprehensive patent families
- Flexible family and bibliographic display options facilitate the study and analysis of patent families
- Comprehensive inventor and assignee searches combining all bibliographic and legal status data
- FIZ Karlsruhe Legal Status Categories (LSC2) provide simplified one-step legal status searching
- Stay up-to-date with focused and customizable alerts, including weekly and monthly monitoring

## FAQ: INPAFAMDB or INPADOODB?

1. Which version should I use for classification and/or text prior-art searching? **INPAFAMDB**
2. Which version is best for displaying the legal status for a specific application? **INPADOODB**
3. Which version is best for inventor and assignee searches? **INPAFAMDB**
4. Which version should I use to analyze patent applications by authority? **INPADOODB**
5. Which version should I use for multi-file searching with CAplus or DWPI? **INPAFAMDB**

# Resources

- INPAFAMDB User Documentation

[http://www.stn-international.com/stn\\_inpadoc\\_famdb.html](http://www.stn-international.com/stn_inpadoc_famdb.html)

- Latest news on content and features
- Patent Kind code and Priority Kind code lists
- Summary of features and content
- Handbook in English and German
- “The Art of ECLA” search tips and case study

- INPAFAMDB database summary sheet

<http://www.stn-international.com/inpafamdb.html>

# STN<sup>®</sup>

For more information ...

CAS

E-mail: [help@cas.org](mailto:help@cas.org)

Support and Training:

[www.cas.org](http://www.cas.org)

FIZ Karlsruhe

[helpdesk@fiz-karlsruhe.de](mailto:helpdesk@fiz-karlsruhe.de)

Support and Training:

[www.stn-international.de](http://www.stn-international.de)