

STN®

Naviguer aisément dans INPAFAMDB

**Martine MICHEL
CAPADOC**

Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and patent assignee searching
- Prior art searching
- Citation searching
- Legal status searching
- Alerts (Patent Monitoring)
- Frequently Asked Questions

INPAFAMDB is the International Patent Family Database on STN®

- INPAFAMDB is formed from the EPO DOCDB patent family and INPADOC PRS Legal Status databases
- Coverage of 81 patent authorities from the early 1800s
- The complete archive of European (ECLA, ICO) and International (IPC) classifications back into the 1800s
- Applicant abstracts and/or English translations for more than 50 patent authorities dating back to the 1890s
- Comprehensive patent and non-patent literature citations for 21 patent authorities
- Fully integrated Legal Status data for 51 authorities

Key features & benefits of INPAFAMDB

- One-record-per-family file design maximizes multiframe prior art search synergy with CAplusSM and DWPISM
- ECLA hierarchy/definition PDFs and IPC thesaurus reference tools assist in effective prior art searching
- FIZ Karlsruhe editorial corrections and Quality Control provide accurate and comprehensive patent families
- FIZ Karlsruhe editorial assigned Legal Status Categories (LSC2) greatly simplify global legal status searching
- Streamlined family and legal status SDI/Alert options provide only what you need via extensive and readily customizable update and display options

Why is INPAFAMDB useful?

=> FILE INPAFAMDB

=> S (LASER OR RAPID) AND PROTOTYPING

L1 482 (LASER OR RAPID) AND PROTOTYPING

=> D BRIEF

L1 ANSWER 2 OF 482 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
AN 11636111 INPAFAMDB UPFB 20070405 UWF 200714
TI GREIFVORRICHTUNG UND SCHNELLES HERSTELLUNGSVERFAHREN EINES PROTOTYPES
DURCH SINTERN.
- GRIPPING DEVICE AND FAST **PROTOTYPING** METHOD FOR MANUFACTURING SUCH A
GRIPPING DEVICE BY SINTERING.
- DISPOSITIF DE PREHENSION ET SON PROCEDE DE FABRICATION PAR FRITTAGE
SELON UNE TECHNIQUE DE PROTOTYPAGE RAPIDE.
- Component gripper and manipulator has frame with at least one element
of **laser**-fritted material.
- DISPOSITIF DE PREHENSION D'UNE PIECE, ET PROCEDE POUR SA FABRICATION.
- DEVICE FOR GRIPPING A PART, AND METHOD FOR MAKING SAME.
INS MOULE DOMINIQUE, FR; BERTHELLEMY LAURENT, FR; DI MINO FRANCESCO, FR
- MOULE DOMINIQUE; DI MINO FRANCESCO; BERTHELLEMY LAURENT
PAS BEMA INGENIERIE, FR
- MOULE DOMINIQUE, FR; BERTHELLEMY LAURENT, FR; DI MINO FRANCESCO, FR
IPCR B25J0015-00 [I,A]; B25J0015-00 [I,C*]
EPC B25J0015-00 . . .

This record would not have been found by the same simple text search in INPADOCDB.

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Finding patent families

Step 1. Enter INPAFAMDB and WPINDEX

=> FILE INPAFAMDB WPINDEX

Step 2. Search for the publication number

=> S DE2350035/PN

Step 3. Display the answers

=> D ALL 1-

Note: The country coverage differs by database. For details, see [Publication Kind Codes in CA, INPADOC, DWPI \(01/2008\) - compl. list in 1 file](#) .

Patent family for DE 2350035 - INPAFAMDB

=> D ALL 1-2

L1 ANSWER 1 OF 2 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
AN 3559037 INPAFAMDB UPFB 20090402 UWF 200914
DN 10369334
TI VERFAHREN ZUR HERSTELLUNG VON DIATETISCHEN NAHRUNGSMITTELN.
- 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 WPINDEX

=> S DE2350035/PN

L1 2 DE2350035/PN

Publications in red are uniquely included in the INPAFAMDB family.

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

Patent family for DE 2350035 - WPINDEX

L1 ANSWER 2 OF 2 WPINDEX COPYRIGHT 2008 THOMSON REUTERS on STN
AN 1975-26107W [16] WPINDEX
TI Dietetic foods containing water-soluble branched polyglucose -
containing ester gps. and replacing fat triglycerides and or
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

"#" indicates non-conventional equivalents.

Language indicators.

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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

```
=> S (SCHNEIDER (S) WOLFGANG) / INSS , PASS
    24447 SCHNEIDER/IN
    24384 SCHNEIDER/INS
        676 SCHNEIDER/LSIN
    24533 SCHNEIDER/INSS
        (SCHNEIDER/IN , INS , LSIN)
    17635 SCHNEIDER/PA
    16770 SCHNEIDER/PAS
        1831 SCHNEIDER/LSPA
    19062 SCHNEIDER/PASS
        (SCHNEIDER/PA , PAS , LSPA)
    98188 WOLFGANG/IN
    97400 WOLFGANG/INS
        3616 WOLFGANG/LSIN
    98489 WOLFGANG/INSS
        (WOLFGANG/IN , INS , LSIN)
    33093 WOLFGANG/PA
    30003 WOLFGANG/PAS
        1113 WOLFGANG/LSPA
    34699 WOLFGANG/PASS
        (WOLFGANG/PA , PAS , LSPA)
L1      529 (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 529 INPAFAMDB COPYRIGHT 2009 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: Pfizer

=> FILE INPAFAMDB

=> S PFIZER/PA, PAS

8374 PFIZER/PA

8399 PFIZER/PAS

L1 8433 PFIZER/PA, PAS

=> S PFIZER/LSPA

L2 2670 PFIZER/LSPA

=> S L2 NOT L1

L3 380 L2 NOT L1

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

The legal status field **LSPA** retrieves 380 additional patent family records (L3).

LSPA applicant reassignment field includes:
- corrections or new company names
- transfer of ownership

Example of an INPAFAMDB record with an applicant reassignment to Pfizer

=> D BIB HIT 100

AN 18288590 INPAFAMDB
DN 28402953
TI A COMPOSITION COMPRISING CAMPTOTECHIN OR IT'S DERIVATIVE AND A
PYRIMIDINE DERIVATIVE FOR THE TREATMENT OF CANCER.
PAS AVENTIS PHARMA SA, FR
PI HU 2005000729 D0 20051028
AI HU 2005-729 A 20010226
PRAI HU 2005-729 A 20010226 (HUA, Y)

LEGAL STATUS HIT

AN 18288590 INPAFAMDB UPFL 20071115
20071029 HUGB9A SUCCESSION IN TITLE
[HU 2005-729 A

PFIZER ENTERPRISES SARL,

FORMER OWNER(S): **AVENTIS**

CHG Change of Owner, Inventor, Applicant

200746.....20071115

Here a new reassignment assignee name (/LSPA) was provided. This is important, e.g., for statistical assignee analysis, and/or due diligence studies.

1 priority, 1 application, 1 publication

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 searching

- Applicant abstracts for 26% of the file (/BI, /AB)
 - Over 9.5 million records have applicant abstracts
 - Coverage from more than 50 patent authorities
- Original titles for 78% of the entire file (/BI, /TI)
 - Over 28 million records have applicant titles
 - 81% of the file from 1968 onwards
- Classifications
 - IPCs available for over 31 million records (/IPC)
 - ECLA available for about 14 million records (/EPC)
- Patent citations in about 8 million patent families

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?)

Broad text search.

L1 7610 WIND# (2A) TURBIN? OR WIND (W) (POWER OR ENERGY) (W) (PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

=> S L1 AND EP/PC

L2 1362 L1 AND EP/PC

Limit to EP to retrieve equivalent titles in other languages.

=> FOCUS L2

L3 1362 FOCUS L2 1-

FOCUS sorts the records by relevance.

=> D TI 1-10

L3 ANSWER .. OF 1362 INPAFAMDB COPYRIGHT 2009 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 1362 INPAFAMDB COPYRIGHT 2009 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: Review the abstracts for additional terms also (D ABS).

Identify relevant IPCs

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

L1 7610 WIND# (2A) TURBIN? OR WIND (W) (POWER OR ENERGY) (W) (PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

Broad text search.

=> ANALYZE L1 1- IPC EPC

L4 ANALYZE L1 1- IPC EPC : 5571 TERMS

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

=> 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

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

```
E1      22839  -->  F03D/IPC
                    WIND MOTORS
E2      5176   NT1   F03D0001-00/IPC
                    Wind motors with rotation axis substantially in
                    wind direction (controlling F03D0007-00)
                    CORE
                    VALID FROM 19680901
                    EDITION: 1-8 )
E3      816    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.
                    with shrouds or channels (F03D0001-02 takes
                    precedence)
                    ADVANCED
                    VALID FROM 19
                    EDITION: 1-8
E5      2343   NT2   F03D0001-06/IPC
                    . Rotors
                    ADVANCED
                    VALID FROM 19680901 TO PRESENT ( IPC
                    EDITION: 1-8 )
```

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

The **CORE** and **ADVANCED** relationships are clearly marked.

Narrower and broader terms are clearly indicated.

TIP: Choose at least one **CORE** code for a more comprehensive search.

Identify relevant ECLAs (/EPC)

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

L1 7610 WIND# (2A) TURBIN? OR WIND (W) (POWER OR ENERGY) (W) (PLANT# OR SYSTEM OR GENERAT? OR INSTALL?)

=> ANALYZE L1 IPC EPC

L4 ANALYZE L1 1- IPC EPC : 5571

=> D TOP 10 EPC

L4 ANALYZE L1 1- IPC EPC : 5571 TERMS

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

TIP: Simultaneously analyze on all relevant fields to incur only one **ANALYZE** charge.

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



Telnet_TDI

```
NEWS 36 May 26 STN Express, Version 8.4, now available

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS 8.4, AND
CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS Dec 17, 2008 NEW STN OPERATING HOURS

NEWS PRICE Jan 07, 2009 STN International Fees and Prices,
Effective Jan 1, 2009
```

```
* * * * * STN Karlsruhe * * * * *
FILE 'HOME' ENTERED AT 14:11:52 ON 27 MAY 2009
```

```
=> FIL INPAFAMDB
```

```
FILE 'INPAFAMDB' ENTERED AT 14:11:57 ON 27 MAY 2009
COPYRIGHT (C) 2009 European Patent Office / FIZ Karlsruhe
```

```
FILE LAST UPDATED:          22 MAY 2009          <20090522/UP>
                           22 MAY 2009          <20090522/UPLS>
MOST RECENT DOCDB WEEK:      200921              <200921/EW>
FILE COVERS 1836 TO DATE.
```

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

Updated PDF files in the following links:
http://www.stn-international.com/IdT_EPO.html
http://www.stn-international.com/ico_0905.html
http://www.stn-international.com/epc_0905.html
 Supplement of all changed ECLA items:
http://www.stn-international.com/ecla_0905s.html

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

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



```
>>> New display format of the basic (earliest) publication of a patent family <<
```

```
>>> For a copy of the INPADOCDB/INPAFAMDB handbook see:
http://www.stn-international.com/inpadocdb\_inpafamdb\_handbook.html <<<
```

epc_0905.pdf - Adobe Reader

File Edit View Document Tools Window Help

1 / 8662 69,1% Find



European Patent Classification




Version 2009/05"
(based on the monthly ECLA XML raw data of the European Patent Office)

EPC

- A HUMAN NECESSITIES
- B PERFORMING OPERATIONS; TRANSPORTING
- C CHEMISTRY; METALLURGY
- D TEXTILES; PAPER
- E FIXED CONSTRUCTIONS
- F MECHANICAL ENGINEERING; LIGHTING; HEATING;
WEAPONS; BLASTING ENGINES OR PUMPS
- G PHYSICS
- H ELECTRICITY

The classification codes are standardized analog the IPC8 format:

A61K6/00B2 ==> A61K0006-00B2



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Search form terms or symbols

F03D

WIND MOTORS

F03D

NT5-TI WIND MOTORS

Note

Note In this subclass, the following words are used with the meanings indicated:

- "Wind motor" means a mechanism for converting the energy of natural wind into useful mechanical power, and the transmission of such power to its point of use;
- "Rotor" means the wind-engaging parts of the wind motor and the rotary member carrying them;
- "Rotations axis" means the axis of rotation of the rotor.

F03D0001-00	NT6	
F03D0001-00	NT7	Wind motors with rotation axis substantially in wind direction (controlling F03D0007-00)
F03D0001-00B	NT8	[N: Assembly (fixing wind-engaging parts to rotor F03D0001-06C2); Foundation or erecting methods; Equipment therefor] [N0211]
F03D0001-00C	NT8	[N: Maintenance or repair; Equipment therefor] [N0211]
F03D0001-02	NT8	having a plurality of rotors
F03D0001-02B	NT9	[N: coaxially arranged]
F03D0001-04	NT8	having stationary wind-guiding means, e.g. with shrouds or channels (F03D0001-02 takes precedence)
F03D0001-06	NT8	Rotors
F03D0001-06B	NT9	[N: Form]

Surely IPC is enough?

=> S F03D/IPC,EPC

L1 23120 F03D/IPC,EPC

=> S F03D/EPC NOT F03D/IPC

L2 281 F03D/EPC NOT F03D/IPC

Maybe not...

=> D CFAM TI AB IPC EPC

L2 ANSWER .. OF 281 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN

PATENT FAMILY INFORMATION

AN 36970875 INPAFAMDB

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

CN 101217244 A 20080709

US 20080164697 A1 20080710

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

1 priority, 2 applications, 2 publications

TI METHOD AND APPARATUS FOR CONTROLLING ROTARY MACHINES.

AB A **wind turbine** generator includes at least one rotating member, at least one stationary member, and a clearance gap control system....

IPCI H02K0007-12 [I,A]; H02K0007-10 [I,C*]

IPCI H02P0009-00 [I,A]; H02K0019-36 [I,A];

H02P0009-00 [I,C*]; H02K0019-16 [I,C*]

EPC H02K0007-09; **F03D0007-00; F03D0007-02G; F03D0007-04; F03D0009-00C...**

Title, abstract, and classification searching for wind turbine publications before 1970

=> S F03D/IPC,EPC

L1 23120 F03D/IPC,EPC

This search retrieves all IPCs and EPCs in the F03D subclass.

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

L2 7610 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 1739 ?WINDENERGIEANLAG? OR ?WINDTURBIN? OR EOLIEN? OR VENT#(2A)TURBIN?

Use multiple languages for more comprehensive retrieval.

=> S (L1 OR L2 OR L3) AND PY<1970

L4 2114 (L1 OR L2 OR L3) AND PY<1970

Limit search result to publication year < 1970.

=> FOCUS L4

PROCESSING COMPLETED FOR L4

L5 2114 FOCUS L4 1-

Display titles free of charge for a fast relevance check.

=> D TI 1-10

L5 ANSWER 1 OF 2114 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN

TI Improvements in wind power plants.

Title, abstract, and classification searching for wind turbine publications before 1970 (cont.)

=> D BRIEF

Display relevant answers in display format BRIEF.

L5 ANSWER 2 OF 2114 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
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)
722,978. Wind-motors. ALLGAIER WERKZEUGBAU GMBH. Dec. 5, 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 . . .

Reformed IPC backfile
reclassification data allow
for improved retrieval of
older patent publications.

PATENT FAMILY INFORMATION INPAFAMDB

PUBLICATIONS			APPLICATIONS		
GB 722978	A	19550202	GB 1952-30631	A	19521203
PRIORITIES					
GB 1952-30631	A	19521203			

1 priority, 1 application, 1 publication

Results can be divided into granted patents and applications using Status (STA) field

- Patent status field (/STA) has two values
 - PRE-GRANT PUBLICATION
 - GRANTED

```
=> S L5 AND GRANTED/STA
```

```
L6          2041 L6 AND GRANTED/STA
```

```
=> D CFAM TI STA
```

```
L6 ANSWER 20 OF 2041 INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
```

```
PATENT FAMILY INFORMATION
```

```
AN 30435205 INPAFAMDB
```

```
+-----PI-----+
```

```
US 3473038          A 19691014
```

```
1 priority, 1 application, 1 publication
```

```
TI WIND DRIVEN GENERATOR.
```

```
STA GRANTED
```

Adding INPAFAMDB to a multfile prior art text search with DWPI is quite simple

=> FILE WPINDEX

=> SET SFIELDS BI BIEX

SET COMMAND COMPLETED

SET SFIELDS BI BIEX to add the DWPI basic index extension BIEX - original title, abstract and main (1st) claim - to the default search index.

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

L1 1856 (LIGHT EMITTING DIODE#/BI,BIEX OR LED#/BI,BIEX) AND (HEAD/B I,BIEX(W) (LIGHT#/BI,BIEX OR LAMP#/BI,BIEX) OR HEADLIGHT#/BI ,BIEX OR HEADLAMP#/BI,BIEX)

=> D SCAN

L1 1260 ANSWERS WPINDEX COPYRIGHT 2009 THOMSON REUTERS on STN
TI Light emitting device for vehicle headlamp, has ultraviolet LED chip which emits and irradiates ultraviolet light with respect to blue fluorescent substance, when blue light emission LED chip is in non-light emission state

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

. . . .

Adding INPAFAMDB to a multifile prior art text search with DWPI is quite simple (cont.)

=> FILE INPAFAMDB

=> TRANSFER L1 PN

L2 TRANSFER L1 1- PN : 42
L3 1684 L2

Use TRANSFER PN 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 486 (LIGHT EMITTING DIODE# OR LED#) AND (HEAD(W) (LIGHT# OR LAMP#) OR HEADLIGHT# OR HEADLAMP#)

=> S L4 NOT L3

L5 85 L4 NOT L3

Isolate and review the 85 uniquely retrieved INPAFAMDB families (L5).

=> D SCAN

L5 85 ANSWERS INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
TI DEVICE SYSTEM FOR PROTECTION AGAINST HEAT IN AUTOMOTIVE LED
HEAD-LAMP.

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

. . . .

Example of a unique INPAFAMDB patent family record using file default BRIEF format

=> D BRIEF 7

```
ANSWER 7 OF 85          INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
AN      37794006 INPAFAMDB EDF 20090402 EWF 200914 UPFB 20090507 UWF 200919
TI      LED light source device.
INS     YINGHUA LI, CN; JIANHAO ZHENG, CN
PAS     YINGHUA LI, CN
IPCI    F21S0002-00      [I,A ]; F21V0005-04      [I,A ]; F21V0007-10      [I,A ];
        F21V0019-00      [I,A ]; F21V0021-00      [I,A ]; F21V0023-06      [I,A ];
        F21Y0101-02      [N,A ]; F21S0002-00      [I,C*]; F21V0005-00      [I,C*];
        F21V0007-00      [I,C*]; F21V0019-00      [I,C*]; F21V0021-00      [I,C*];
        F21V0023-00      [I,C*]
AB      (CN 201198965U Y)
        The utility model discloses an LED light source device which has simple
        structure, convenient maintenance, ability of realizing high luminance
        and high reliability and is applicable to high brightness lighting of
        streetlights, automobile headlamps and the like. The LED light source
        device comprises a PCB alloy board (1), an insulating board (2) and a
        plate electrode (3) are covered on the PCB alloy board (1), a plurality
        of circular grooves (4) are arranged on the PCB alloy board (1 . . . .
PATENT FAMILY INFORMATION INPAFAMDB
+----- Publications -----+          +----- Applications -----+
CN 201198965U          Y  20090225          CN 2008-20011995U      U  20080409
+----- Priorities -----+
CN 2008-20011995U      U  20080409
1 priority, 1 application, 1 publication
```

Use this format	To display...
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. PC	FFAM for a single publication authority, e.g. FFAM.US for the USPTO
MFAM	FFAM plus 1) all available author abstracts 2) cited references
IFAM	A COMBINATION of indented FAM and MFAM

Agenda

- What is INPAFAMDB?
- Finding patent families
- Inventor and patent assignee searching
- Prior art searching
- **Citation searching**
- Legal status searching
- Alerts
- Frequently Asked Questions

INPAFAMDB patent citations

- Cited references from 21 patent authorities including both patent and non-patent literature citations
- Besides the citation information created by the **EPO** itself the EPO co-operates with several other offices in the exchange of citation information
 - International search reports are supplied by WIPO and the International Search Authorities
AT, AU, CA, CN, ES, FI, KR, RU, SE
 - Cooperation with the national offices of
AT, AU, BE, CH, DE, FR, GB, NL, TR
in exchanging search reports
 - Trilateral exchange with the offices of **JP** and **US**

Common citation searches

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

Competitive intelligence searching

=> S QIAGEN/PASS

L1 270 QIAGEN/PA,PAS,PASS

=> TRA L1 PN /RPN

L2 TRANSFER L1 1- PN : 1716 TERM

L3 1231 L2/RPN

=> S L3 NOT QIAGEN/PA,PAS

L4 1141 L3 NOT QIAGEN/PA,PAS

=> D TI PAS PI REP 2

L4 ANSWER .. OF 1141 INPAFAMDB COPYR

TI Selektive Reizung von OH-enthaltenden

- Selective excitation of OH-containing solvents.

. . . .

PAS AGILENT TECHNOLOGIES INC, US

PI EP 1936369 A1 20080625

REP WO 2005069964 A2 (SEA, pat, Cat: X)

- GB 2236186 A (SEA, pat, Cat: X)

- WO 9641864 A1 (SEA, pat, Cat: X)

- US 20030073229 A1 (SEA, pat, Cat: X)

- US 20030188575 A1 (SEA, pat, Cat: Y)

- EP 1688739 A1 (SEA, pat, Cat: Y)

- EP 962537 A2 (SEA, pat, Cat: Y)

. . . .

1. Company search for Qiagen.

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

3. Exclude self-citations (L4).

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

The cited Qiagen patent publication.

Competitive intelligence (cont)

=> S L3(S)X/CAT NOT QIAGEN/PA,PAS
L5 260 L3(S)X/CAT NOT QIAGEN/PA,PAS

=> D TI PAS PI REP 2

L5 ANSWER ... OF 260 INPAFAMDB COPYRIGHT 2005

TI Micro channel, device for recovering nucleic acid and method for recovering nucleic acid.

PAS SONY CORP, JP

PI CN 101153264 A 20080402
EP 1903110 A2 20080326
EP 1903110 A3 20080402
JP 2008072987 A 20080403
KR 2008027134 A 20080326
US 20080161553 A1 20080703

REP EP 1607748 A1 (SEA, pat, Cat: X)
- US 5234809 A (SEA, pat, Cat: X)
- WO 2003046146 A2 (SEA, pat, Cat: X)
- **WO 9501359 A1 (SEA, pat, Cat: X)**

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.

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

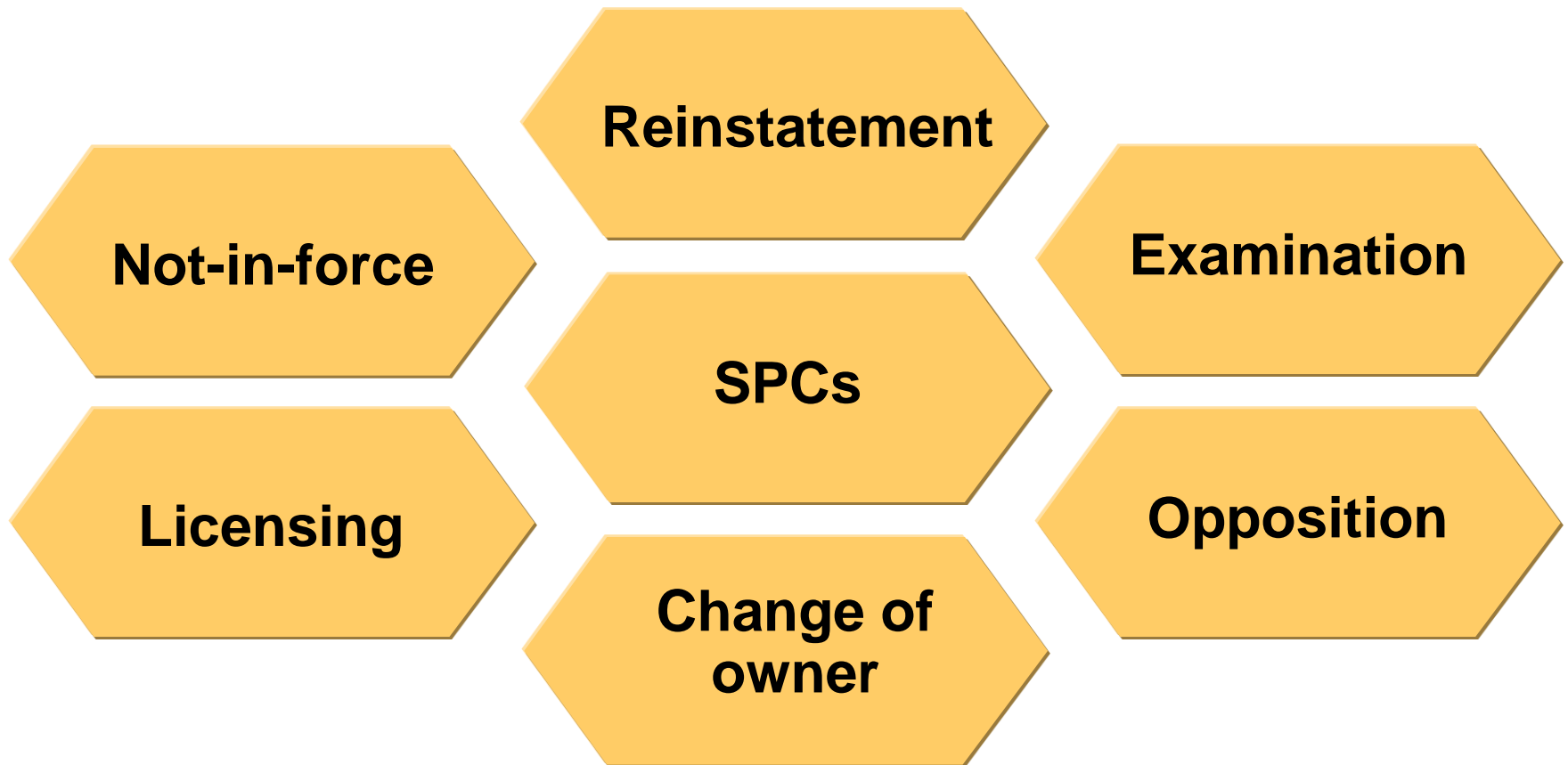
Search Report Type definitions /SRT

SEA	citation from search report
APP	cited by applicant
EXA	revealed during examination
OPP	revealed during opposition
115	observation by third parties

Agenda

- What is INPAFAMDB?
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New STN assigned legal status categories simplify legal status searches



New STN assigned legal status categories simplify legal status searches (/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:
www.european-patent-office.org/inpadoc/faq/spc_cov.htm

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

```
=> S SYNGENTA/PASS AND NIF/LSC2
L1      1873 SYNGENTA/PASS AND NIF/LSC2
```

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

```
L1      ANSWER ... OF 1873      INPAFAMDB COPYRIGHT 2009 EPO/FIZ KA on STN
TI      Novel protein, gene encoding the same and method of using the same.
PI      AU 2007203494          A1 20070816
PA      JAPAN TOBACCO INC.; SYNGENTA LIMITED
PAS     JAPAN TOBACCO INC; SYNGENTA LTD
```

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

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

```
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
```

```
1 priority, 1 application, 1 publication
```

Agenda

- What is INPAFAMDB?
- Finding patent families
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- Prior art searching
- Citation searching
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INPAFAMDB update code options

New family ("basic")	EDF
New family member	UPFD
New publication	UPFP
Update to bibliography	UPFB
Update to legal status	UPFL
New document or LS	UPFE
All updates (any changes)	UPFA

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

Monitor key Pfizer patent applications for new family members or legal status changes

```
=> S (WO2005067620 OR WO2005080313 OR WO2003102130 OR  
WO2005004839 OR WO2005009965 OR WO2007116313 .....)/PN  
L1 10 (WO2005067620 OR WO2005080313 OR WO2003102130 OR ....
```

=> SDI

For automatic current awareness searches use the **SDI** command.

```
ENTER QUERY L# FOR SDI REQUEST OR (END):L1  
ENTER UPDATE FIELD CODE (UP) OR ?: UPFE  
ENTER SDI REQUEST NAME, (AA007/S), OR END:PFIZER/S  
  o o o  
ELIMINATE PREVIOUSLY SEEN ANSWERS WITH EACH SDI RUN? Y/(N): N  
ENTER PRINT FORMAT (BIB.M) OR ?: CFAM FFAMED  
HIGHLIGHT HIT TERMS? (Y)/N:.  
ARCHIVE ANSWERS? Y/(N):.  
REDISTRIBUTE ANSWERS? Y/(N):.  
ENTER MAXIMUM NUMBER OF HITS TO BE  
  o o o
```

The combination of **UPFE** update code and **FFAMED** display format provides any new records, new publications, or new Legal Status for each SDI run.

Monitor key Pfizer patent applications for new family members or legal status changes

PATENT FAMILY INFORMATION
AN 36026113 INPAFAMDB

```
+-----PI-----+
CA 2647448          A1 20071018
EP 2059515          A2 20090520
US 20090124636      A1 20090514
WO 2007116313      A2 20071018
WO 2007116313      A3 20080110
```

3 priorities, 4 applications, 5 publ.

This SDI regularly delivers a simple list of publication numbers (**CFAM**), details of new publications, and/or legal status changes from the latest database update (**FFAMED**).

MEMBER 2

```
AN 36026113 INPAFAMDB ED 20090522 EW 200921 UP 20090522 UW 200921
DN 58630959
TI PYRROLIDINDERIVATE ALS MODULATOREN VON CHEMOKIN-CCR5-REZEPTOREN.
   PYRROLIDINE DERIVATIVES AS MODULATORS OF CHEMOKINE CCR5 RECEPTORS.
   DERIVES DE PYRROLIDINE COMME MODULATEURS DE RECEPTEURS CCR5 DES
   CHIMIOKINES.
PA PFIZER LIMITED
PAS PFIZER LTD, GB
DT Patent
PI EP 2059515          A2 20090520 Eng
```

LEGAL STATUS CURRENT UPDATE
AN 36026113 INPAFAMDB

```
.....
20090520 EP17P          + REQUEST FOR EXAMINATION
                        20081112
                        EXA Examination, Search Report
                        200921.....
```

For **WO 2007116313** we have two new publications for **EP** and **US** and new legal status information in the latest database update.

..... 20090522

.....
MEMBER 3

Frequently Asked Questions

1. Do I need to move my patent family SDIs from INPADOODB to INPAFAMDB? **No need.**
2. Which file should I use for classification/subject searching? **INPAFAMDB**
3. Which file should I use to analyze filings by country? **INPADOODB**
4. Which file should I use for inventor searches? **INPAFAMDB**
5. Which file should I use for multifile searching with CAplus and DWPI? **INPAFAMDB**

Key features and benefits of INPAFAMDB

- More than 36 million records from 81 patent authorities, dating back to the early 1800s
- Applicant abstracts and/or translations for more than 50 patent authorities, dating back to the 1890s
- Enhanced European (ECLA) and International (IPC) backfile classifications and search tools
- Comprehensive patent and non-patent literature citations for 21 patent authorities
- Simplified legal status searching using Legal Status Categories (LSC2) assigned by STN

STN[®]

INPAFAMDB on STN

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www.stn-international.de