

INPAFAMDB (INternational PATent FAMily DataBase)

Subject Coverage	All areas of science and technology, i.e., all classes of the International Patent Classification		
File Type	Bibliographic		
Features	Thesauri	Cooperative Patent Classification (CPC) and International Patent Classification (IPC)	
	Alerts (SDIs)	Weekly or monthly (Weekly is the default)	
	CAS Registry Number [®] Identifiers	<input type="checkbox"/>	SLART <input checked="" type="checkbox"/>
	Keep & Share	<input checked="" type="checkbox"/>	Structures <input type="checkbox"/>
	Register Links	<input checked="" type="checkbox"/>	
Record Content	<ul style="list-style-type: none"> Family data of patent documents, utility models, and design patents of more than 106 patent-issuing organizations including the European Patent Office (EPO) and the World Intellectual Property Organization (WIPO). Legal status data of 100 patent-issuing organizations (56 countries + from 44 countries of the national phases PCT/EP). Two classification systems for over 4,300 legal event codes are available; see HELP LEGSTAT for details. Indexes are based on the patent families, where in INPADOCDB the indexes are based on the patent applications. The accession number AN in INPAFAMDB is the family number FN from INPADOCDB. Abstracts are provided for more than 61 million records with more than 57 million abstracts in English. Patent status indicators are provided for all patent authorities; see HELP STI for details. Calculated expiration dates are provided for all patent authorities except WO and ID, see HELP XPD for details. EP unitary patents are searchable in bibliographic and legal status search fields. See HELP UNITARYPATENT for details. Note: The family number can change due to corrections/updates of patent relevant numbers and codes 		
File Size	<p>More than 118 million patent family records with about 150 million publications in more than 80 million international patent families from 1782 to the present (11/2023)</p> <p>More than 435 million legal status data in more than 82 million patent families from 1967 to present (11/2023)</p>		
Coverage	1782-present		
Updates	Weekly with 200,000-1,000,000 records and 400,000-1,000,000 legal status data		
Language	English, French, German, Spanish, Portuguese, Chinese, Japanese, Korean, Russian		

INPAFAMDB**Database
Producer**

European Patent Office
Vienna Sub Office
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Austria
Phone: +43 1 52126-0
Fax: +43 1 52126-5491
Email: patentdata@epo.org
Copyright Holder

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Copyright Holder

Sources

- EPO-Patent Information Resource based on the data supplied by the patent offices (INPADOC/DOCDB Service)
 - INPADOC Legal Status Service
-

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
-

Cluster

- ALLBIB
- AUTHORS
- CORPSOURCE
- HPATENTS
- PATENTS

STN Database Cluster information:

<https://www.cas.org/support/training/stn/database-clusters>

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

Bibliographic Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from title (TI) and abstract (AB) fields)	None or /BI	S TUBULAR HEAT EXCHANG? S ALUM? (S) COAT? S ?MAGNET? S ?METHYL?(T)?AMINO?	ABDE, ABEN, ABFR, ABES, ABOL, TI
Abstract* (contains ABDE, ABEN, ABES, ABFR, ABOL)	/AB	S (DRILLING(W)PROCESS)/AB	AB, ABDE, ABEN, ABES, ABFR, ABOL, ABO
Abstract (English)	/ABEN	S CATABOLIC/ABEN	ABEN
Abstract (French)	/ABFR	S CATADIOPTRIQUE/ABFR	ABFR
Abstract (German)	/ABDE	S BEARBEITUNGSANLAGE/ABDE	ABDE
Abstract (other language)	/ABOL	S CATODICAMENTE/ABOL	ABOL
Abstract (Spanish)	/ABES	S BEBIDAS/ABES	ABES
Abstract Language (ISO code and text)	/AL	S DUTCH/AL	AL
Accession Number (= FN in INPADOCDB)	/AN	S 12345678/AN	AN
Application Country (WIPO code and text)	/AC	S WO/AC AND (INLAND(W)STEEL)/PA	AI
Application Date (1)	/AD	S 19840705/AD	AI
Application ID (EPO)	/DOCID	S 23400004/DOCID	DOCID
Application Kind Code	/AK	S WOW/AK	AI, AIT
Application Kind Code Text	/AIT	S MWA/AIT	AIT
Application Number	/AP	S ZW1981-215/AP	AI
Application Number Count (1)	/ACNT (or /APC)	S ACNT=3	FSTAT
Application Number, Original	/APO	S KR6900415/APO	APO
Application Year (1)	/AY	S 1988/AY AND SIEMENS/PAS	AI
Calculated Expiration Date (1)	/XPD	S XPD=AUG 2023	XPD
Calculated Expiration Year (1)	/XPY	S 2025-2026/XPY	XPY
Cooperative Patent Classification	/CPC	S D03D0015-0011/CPC	CPC
Country Number Count	/CCNT (or /CYC)	S 5/CCNT	FSTAT
CPC, Action Date (1)	/CPC.ACD	S 20130101/CPC.ACD	CPC.TAB
CPC, Combination Set Data	/CPC.CS	S A61K0009/CPC.CS	CPC.TAB
CPC, Keyword Terms	/CPC.KW	S INVENTION/CPC.KW	CPC.TAB
CPC, Version	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Data Availability	/DAV	S NOT-PRINTED-WITH-GRANT/DAV	DAV
Date in Force (1,3)	/DF	S 20000127/DF	DF
Designated States	/DS	S W JP/DS	DS
Document Number (AN in INPADOCDB)	/DN	S 98543006/DN	DN
Document Type (code and text)	/DT (or /TC)	S U/DT AND UNILEVER/PAS	DT
Entry Date (1)	/ED	S L1 AND ED>2 JAN 2020	ED
Entry Date New Patent Family (1)	/EDF	S 20200604/EDF	EDF
Entry Date New Publication and/or New Legal Status (1)	/EDLS	S EDLS=20200514	not displayed
Entry Date Patent (1)	/EDP	S 20200123/EDP	EDP
Entry Date Priority (1)	/EDPR	S 2020 FEB/EDPR	PRAI
Entry Week (INPADOC week) (1)	/EW	S 200816/EW	EW
Field Availability	/FA	S L7 AND AB/FA	FA
Filing Country for PCT Application (WIPO code and text)	/AC.WO	S FR/AC.WO	AI

INPAFAMDB

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Filing Country for PCT Priorities (WIPO code and text)	/PRC.WO	S DE/PRC.WO	PRAI
Filing Details	/FDT	S DED1/FDT	FDT
International Patent Classification Version 1-8 (contains IPCI, IPCR, ICM, ICS, ICA, ICI)	/IPC	S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC	IC, ICA, ICI, ICM, ICS, IPCI, IPCR
Inventor	/IN (or /AU)	S MILLER/IN	IN
Inventor Address	/INA	S HEIDELBERG/INA	INA
Inventor INPADOC Standard	/INS	S AGARWAL S?/INS	INS
Inventor, Country	/IN.CNY	S US/IN.CNY	INS
International Patent Classification, Version 1-7 (contains ICM, ICS, ICA, ICI)	/IC	S C07H019-16/IC	IC
IPC, Action Date (1)	/IPC.ACD	S 13 JAN 2006/IPC.ACD	IPC.TAB
IPC, Additional (supplementary) Version 1-7	/ICA	S H06B006-02/ICA	ICA
IPC, Index (complementary) Version 1-7	/ICI	S C12P019-40/ICI	ICI
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main, Version 1-7	/ICM	S C23C0001-08/ICM	ICM
IPC, Secondary, Version 1-7	/ICS	S C12P0019-40/ICS	ICS
IPC, Version from IC	/IC.VER	S 7/IC.VER AND L5	IC.VER, IC
IPC, Version from IPC	/IPC.VER	S 200601/IPC.VER	IPC.TAB
Japanese Patent Classification (FI-Terms)	/FCL (or /JPC)	S A01B0001-24 B/FCL	FCL
Japanese Patent Classification (F-Terms)	/FTRM (or /FTRM or /JPCLA)	S 5H030/AA00/FTRM	FTRM
Language (ISO code and text)	/LA	S DE/LA	LA
Language of Filing (ISO code and text)	/LAF	S FR/LAF	LAF
Patent Assignee (4)	/PA (or /CS)	S INLAND STEEL/PA S BROWN WILLIAMSON/CS	PA
Patent Assignee Address	/PAA	S US/PAA AND EASTMAN KODAK/PAS	PAA
Patent Assignee INPADOC Standard	/PAS	S INLAND STEEL CO?/PAS S (BROWN(S)TOBACCO)/PAS	PAS
Patent Assignee, Country	/PA.CNY	S GB/PA.CNY	PAS
Patent Country (WIPO code and text)	/PC	S DE/PC AND IBM/PAS AND 1988/PY	PI
Patent Country, Basic (WIPO code and text)	/PC.B	S FR/PC.B	PI
Patent Information Publication Type	/PIT	S ARA1/PIT	PIT
Patent Kind Code	/PK	S ZWA1/PK	PI
Patent Kind Code, Basic	/PK.B	S EPA1/PK.B	PI
Patent Number (2)	/PN	S FI9902020/PN	PI
Patent Number, Basic (2)	/PN.B	S. CA2296922/PN.B	PI
Patent Number Count (1)	/PCNT (or /PNC)	S 4/PCNT	FSTAT
Patent Number, Original	/PNO	S KR300392615S/PNO	PNO
Patent Number/Kind Code	/PNK	S WO2009006253A2/PNK	PNK
Patent Number/Kind Code, Basic	/PNK.B	S CA2296922A1/PNK.B	PNK
Patent Stage	/STA	S GRANTED/STA AND LASER/TI	STA
Patent Term Adjustment (1)	/PTA	S 10-20/PTA	PTA
Priority Country (WIPO code and text)	/PRC	S JP/PRC AND 19880101/PRD	PRAI
Priority Country, First (WIPO code and text)	/PRCF	S AU/PRCF	PRAI
Priority Date (1)	/PRD	S JP/PRC AND 19880101-19880331/PRD	PRAI
Priority Date, First (1)	/PRDF	S MARCH 2009/PRDF	PRAI

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Priority Kind Code	/PRK	S DEA/PRK	PRAI
Priority Kind Text	/PRAIT	S ARA PATENT APPLICATION/PRAIT	PRAIT
Priority Number	/PRN	S US1990-184420/PRN	PRAI
Priority Number Count (1)	/PRCNT	S 5/PRCNT	FSTAT
Priority Number, Original	/PRNO	S KRD1997055047/PRNO	PNO
Priority Year (1)	/PRY	S 1998/PRY AND US/PRC	PRAI
Priority Year, First (1)	/PRYF	S GB/PC AND 1998/ PRYF	PRAI
Publication Date (1)	/PD	S 19990104/PD	PI
Publication Date, Basic (1)	/PD.B	S 20000815/PD.B	PI
Publication ID (EPO)	/PUBID	S 23409/PUBID	PUBID
Publication Year (1)	/PY	S 1999/PY	PI
Publication Year, Basic (1)	/PY.B	S 2000/PY.B	PI
Simple Family Number (EPO)	/SFN	S 12300006/SFN	SFN
Simple Family Number Count (EPO) (1)	/SFCNT	S 5/SFCNT	FSTAT
Status Established Date (1)	/STED	S 20210806/STED	STED
Status Indicator	/STI	S DEADSTI or S D/STI	STI
Title (English)	/TIEN	S CATABOLIC/TIEN	TIEN
Title (French)	/TIFR	S CATADIOPTRIQUE/TIFR	TIFR
Title (German)	/TIDE	S BEARBEITUNGSANLAGE/TIDE	TIDE
Title (other language)	/TIOL	S CATODICAMENTE/TIOL	TIOL
Title (Spanish)	/TIES	S BEBIDAS/TIES	TIES
Title Language (ISO code and text)	/TL	S EN/TL S ENGLISH/TL	TL
Title of Invention (contains TIDE, TIEN, TIES, TIFR, TIOL)	/TI	S (FILTER? (S) ELECTR? (S) MEMBRAN#)/TI	TI, TIDE, TIEN, TIES, TIFR, TIOL, TIO
Update Date (1)	/UP	S L1 AND UP>20200102	UP
Update Date All Patent Changes (1) (all updates in /UPM, /UPLS, /UPFC)	/UPM	S L1 AND 20210702/UPM	not displayed
Update Date Classifications (1)	/UPCC	S L1 AND UPCC> 20210702	UPALL
Update Date for combined or split Patent Family (1)	/UPFC	S UPFC=OCT 2019	UPALL
Update Date New Patent Family Record (1)	/UPFD	S 20210702/UPFD	UPALL
Update Date New Publication and/or Legal Status Changes of the family (all updates in UPFB, UPFL) (1)	/UPFE	S 20210702/UPFE	UPALL
Update Date of the BIB fields (1)	/UPBB	S L1 AND UPBB> 20210702	UPALL
Update Date Patent Family (1) (all updates in UPFB, UPFC, UPFL)	/UPFA	S 20210702/UPFA	UPALL
Update Date Patent Family Legal Status (1)	/UPFL	S 20210702/UPFL	UPALL
Update Date Patent Family Publication Level (1)	/UPFP	S 20210702/UPFP	UPALL
Update Date Patent Family Bibliographic (1)	/UPFB	S 20210702/UPFB AND L7	UPALL
Update Week (INPADOC Week) (1)	/UW	S UW=202006	UW

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Either STN format or Derwent format may be used.

(3) For German Utility Models: Advertisement of registration.

(4) Search with implied (S) proximity is available.

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Legal Status Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Entry Date new publication and/or New Legal Status (1)	/EDLS	S EDLS=FEB 2019	not displayed
Legal Status Basic Index (contains legal status agent (LSAG), legal status free format text (LSFT), legal status inventor (LSIN), legal status patent opponent (LSOP), and legal status patent assignee (LSPA) fields)	/LSBI	S LASER?/LSBI S ANACOMP/LSBI S OPPOSITE/LSBI	LS
Legal Status Code (code and text)	/LSC	S EP111L/LSC	LS
Legal Status Code Category	/LSC2	S LAP/LSC2	LS
Legal Status Code Country (WIPO code and text)	/LSCC	S BE/LSCC	LS
Legal Status Country (WIPO code and text)	/LSCY	S UNITED KINGDOM/LSCY	LS
Legal Status Date in Force (1)	/LSDF	S LSDF=20050109	LS
Legal Status Date INPADOC GAZETTE (1)	/LSD	S LSD=JAN 2020	LS
Legal Status Designated States (WIPO code and text)	/LSDS	S AU/LSDS S AUSTRALIA/LSDS	LS
Legal Status Event Class	/LSEC	S D/LSEC	LS
Legal Status Free Format Text	/LSFT	S TELECOMMUNICATION/LSFT	LS
Legal Status Indicator	/LSCI	S POSITIVE/LSCI	LS
Legal Status IPC	/LSIC	S A01B0001/24/LSIC	LS
Legal Status Licensee	/LSLI	S BAYER/LSLI	LS
Legal Status Number Count (1)	/LSCNT	S 30-40/LSCNT	LS
Legal Status Patent Inventor	/LSIN	S MAYER, BERND/LSIN S (MAYER(S)BERND)/LSIN	LS
Legal Status Representative/Agent	/LSAG	S (LORENZ AND PHILIPPS)/LSAG	LS
Legal Status Code Text	/LSTX	S CORRECTION/LSTX	LS
Legal Status Patent Assignee (2)	/LSPA	S (MAN CERAMICS)/LSPA	LS
Legal Status Patent Opponent	/LSOP	S SIEMENS AG/LSOP	LS
Legal Status, Payment Year (1)	/LSPMY	S 6/LSPMY	LS
Legal Status Publication Country (WIPO code and text)	/LSPC	S CA/LSPC S CANADA/LSPC	LS
Legal Status Publication Date (1)	/LSPD	S LSPD=JAN 1998	LS
Legal Status Publication Kind Code	/LSPK	S ESA1/LSPK	LS
Legal Status Publication Number	/LSPN	S EP200212/LSPN	LS
Legal Status Publication Year (1)	/LSPY	S 1999-2000/LSPY	LS
Legal Status SPC Number	/LSSPC	S SPC/GB00/007/LSSPC	LS
Legal Status SPC, Expiry Date (1)	/LSSPC.XD	S LSSPC.XD>2025	LS
Legal Status SPC, Extension Date (1)	/LSSPC.EX	S 20230930/LSSPC.EX	LS
Legal Status SPC, Filing Date (1)	/LSSPC.FD	S 20190102- 20190116/LSSPC.FD	LS
Update Date Legal Status (1)	/UPLS	S 20200827/UPLS	LS, LSUP

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Search with implied (S) proximity is available.

Super Search Fields

Enter a super search code to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Application Number Group (1)	/APPS	/AP, /APO, /PRN, /PRNO	S DE1984-3400052/APPS S 1984DE-3400052/APPS	AI, APO, PRAI, PRNO
Inventor Group	/INSS	/IN, /INS, /LSIN	S MEIE/INSS	IN, INS, LS
Patent Assignee Group (2)	/PASS	/PA, /PAS, /LSPA	S FOOD AUTOMAT?/PASS	PA, PAS, LS
Patent Number Group (1)	/PATS	/PN, /PNO, /LSPN	S WO2019003340/PATS	PI, PNO, LS
Patent Countries	/PCS	/DS, /PC	S DE/PCS	PI, DS

(1) Either STN or Derwent format may be used.

(2) Search with implied (S) proximity is available in this field.

IPC Thesaurus

The classifications, validity and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-8, use the field code followed by the edition number, e.g., /IPC2 for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th editions.

Code	Content	Examples
ADVANCED (ADV)	Advanced Level Codes for the Core Level IPC Code	E A61K0066-02+ADVANCED/IPC
ALL	All Associated Terms (BT, SELF, NT, RT)	E C01C003-00+ALL/IPC
BRO (MAN)	Complete Class	E C01C+BRO/IPC
BT	Broader Term (SELF, BT)	E C01F001-00+BT/IPC
BTn	Broader Term (SELF, BT) up to the next n levels (n =1,2,...)	E C01F001-21+BT2/IPC
CORE (COR)	Core Codes for the Advanced Level IPC Code	E G08C0019-22+CORE/IPC
ED	Complete title of the SELF term and IPC manual	E C01F001-00+ED/IPC
HIE	Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E C011003-00+HIE/IPC
INDEX	Complete title of the SELF term	E C01F001-00+INDEX/IPC
KT	Keyword Term (catchwords) (SELF, KT)	E CYANOGEN+KT/IPC
NEXT	Next Classification	E C01C001-00+NEXT5/IPC
NT	Narrower Terms (SELF, NT)	E C01C+NT/IPC
NTn	Narrower Terms (SELF, NT) down to the next n levels (n =1,2,....)	E C01C+NT3/IPC
PREV	Previous Code within the same class (SELF, PREV)	E C01C001-12+PREV/IPC
PREV(n)	Previous n classifications within the same class	E C01C001-12+PREV10/IPC
RT (SIB)	Related Terms (SELF, RT)	E C01C003-20+RT/IPC
TI	Complete Title of the SELF Term and Broader Terms (BT, SELF)	E C01F001-00+TI/IPC

CPC Thesaurus

The thesaurus is available in the/CPC search field. All relationship codes can be used with both the EXPAND and SEARCH commands

Relationship Code	Content	Search Examples
ALL AUTO (1) BT CODE	All usually required terms (BT, SELF, CODE, DEF) Automatic relationship (BT, SELF, CODE, DEF) Broader terms (BT, SELF) Classification Code (SELF, CODE)	E C12M0001-34H2+ALL/CPC E G01J003-443+AUTO/CPC E G01J0003-443+BT/CPC E SCRAPER BIASING MEANS +CODE/CPC
DEF HIE	Definition (SELF, DEF) Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)	E B65G0045-16+DEF/CPC E A01B0001+HIE/CPC
KT MAX NEXT NEXT(n) NT PREV PREV(n) TI	Keyword terms (SELF, KT) All associated terms Next classification within the same class (SELF, NEXT) Next n classification within the same class Narrower terms Previous Code within the same class (SELF, PREV) Previous n classifications within the same class Complete Title of the SELF Term and Broader Terms (BT, SELF)	E LASER+KT/CPC E G01J0003-44B+MAX/CPC E A01B0001-24+NEXT/CPC E A01B0001-24+NEXT3/CPC E G05B0001-04+NT/CPC E G05B0019-418N1+PREV/CPC E G05B0019-418N1+PREV2/CPC E G05B0001-03+TI/CPC

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

DISPLAY and PRINT Formats

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g., 'D L1 1-5 FAM MFAM. The fields are displayed or printed in the order requested. The content for some fields and formats is de-duplicated in INPAFAMDB. Depending on the content the de-duplicated display for a single field is charged with the full family price, when the family information for this field is displayed in full. Hit term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, OCC and .H formats.

You can combine all display fields and formats with suffices (will be charged as a full family display):

.B	shows the earliest publication (basic)
.M	shows the complete family
.H	shows only the publications where a HIT of a search occurs
.P	shows the latest publication(s)
.U	shows the latest updated publication(s)

The default format is the format BRIEF with de-duplicated content of the fields TI, TIO, INS, INO, PAS, PAO, IPCI, IPCR, CPC, FTRM, FCL, and 1 selected English abstract (IN, PA when INS, PAS is not available).

The English abstract is either from EP, WO, GB, another English equivalent abstract or one original language abstract.

An overview of special family formats (details of the formats see below)

Dedup. FAMILY formats	.B earliest publ.	.M (=M) complete family	.H publ. with HIT (*)	.P latest publ.	.U latest update
BRIEF (default)					
BIB	BIB.B	BIB.M	BIB.H	BIB.P	BIB.U
IBIB	IBIB.B	IBIB.M	IBIB.H	IBIB.P	IBIB.U
STD	STD.B	STD.M	STD.H	STD.P	STD.U
ALL	ALL.B	ALL.M	ALL.H	ALL.P	ALL.U
ALLO	ALLO.B	ALLO.M	ALLO.H	ALLO.P	ALLO.U
IALL	IALL.B	IALL.M	IALL.H	IALL.P	IALL.U
IND					
	MAX.B		MAX.H	MAX.P	MAX.U
	MAXO.B		MAXO.H	MAXO.P	MAX.U
	IMAX.B		IMAX.H	MAXO.P	IMAX.U
	PI.B		PI.H	PI.P	PI.U
	PI.PDF.B		PI.PDF.H		PI.PDF.U
		TI.M	TI.H		

(*) Displays data of all family members and/or legal status (in MAX-formats) with HIT terms.

DISPLAY and PRINT Formats

(DE-DUP= De-duplicated family content)

Family related Display Formats	DE-DUP (D)	Definition	Examples
ABS	-	AL, AS, ABDE, ABEN, ABES, ABFR, ABOL	D ABS
ALL (1)	D	BIB, plus AB, IND, FA	D ALL
IALL (1)	D	ALL, indented with text labels	D IALL
ALLO	D	ALL, PNO, APO, PRNO, FSTAT, plus data in original characters (UTF-8)	D ALLO
APPS (1)	-	Application Number Group	D APPS
BIB (1)	-	AN, EWF, UWF, EDF, UPFB, UPFC, TIDE, TIEN, TIES, TIFR, TIOL, TIO, INS, INO, PAS, PAO, PI, AI, PRAI, FSTAT deduplicated: AN, EDF, EWF, UPFB, UWF, UPFC, TI, INS, PAS, PI, AI, PRAI, REC	D BIB
IBIB (1)	D	BIB, indented with text labels	D IBIB
BRIEF (1)	D	AN, EWF, UWF, EDF, UPFB, UPFC, TIEN, INS, PAS, IPCI, IPCR, CPC, FTRM, FCL, FSTAT (IN, PA when INS, PAS not available), 1 selected English abstract and a patent family table of PI, AI, and PRAI (BRIEF is the default)	D BRIEF
CODE	-	AN, EWF, UWF, EDF, UPFB, UPFC, IND	D CODE
CPC.TAB	D	CPC, CPC.ACD, CPC.KW, CPC.VER, Tabular Display	D CPC.TAB
IND	D	AN, ED, EW, UP, UW, IPC, CPCFTRM, FCL	D IND
IPC.TAB	D	IPC, IPC.KW, IPC.ACD, IPC.VER, Tabular Display	D IPC.TAB
MAX (1)	-	BIB, plus AB, IND, SFN, PUBID, DOCID, FA, LS, for all family members	D MAX
IMAX (1)	-	MAX, with indented text labels	D IMAX
MAXO (1)	-	MAX, PNO, APO, PRNO plus data in original characters (UTF-8)	D MAX
PI.PDF	-	Patent family PI information plus hyperlinks to the original documents (pdf) in Espacenet	D PI.PDF
STD (1)	D	BIB, IND	D STD
UPALL	-	Table of update dates (AN, UPFC, UPFB, UPFD, EDF, DN, EDP, UP, ED)	D UPALL
TIPI (1)	-	TI + PI for all patent family members, FSTAT	D TIPI
PILS (1,4)	-	PI + LS for all patent family members, FSTAT	D PILS
BIBLS (1)	-	BIB + LS for all patent family members	D BIBLS
CFAM (1)	-	Condensed family table with AN, PI, STI, FSTAT	D CFAM
CFAM2 (1)	-	Condensed family table with AN, PI, AI, PRAI, STI, STED, FSTAT	D CFAM2
DFAM (1)	-	FAM, delimited for post processing	D DFAM
EFAM (1)	-	FAM, but the priority information constitutes the header	D EFAM
FAM (1)	-	AN, table of patent family information (PI, AI, PRAI) and relationships, FSTAT	D FAM
FAM2 (1)	-	AN, table of patent family information, another order	D FAM2
FAMLS (1)	-	Comprises the family table CFAM2 plus a list of all legal status entries, sorted by legal status date LSD	D FAMLS
FFAM (1)	-	STD + LS for each member of the family	D FFAM
FFAM.PC (1,2)	-	FFAM for a specified country only	D FFAM.US
FSTAT	-	All counted numbers: PRCNT, ACNT, PCNT, SFCNT, CCNT, LSCNT	D FSTAT
IFAM (1)	-	Combines indented FAM and IMAX, ordered alphabetically by patent offices with the respective country code and name as header	D IFAM
IFAM2	-	IFAM, without abstract and classification	D IFAM2
LFAM (1)	-	AN, DN, PI, STI plus legal status information for all members of a patent family	D LFAM
MFAM (1)	-	MAX for each family member	D MFAM
MFAM.PC (1,2)	-	MAX for each family member for a specific country only	D MFAM.EP
SFAM (1)	-	Display of the EPO 'simple patent family' (SFN) within the INPADOC patent family table	D SFAM
SCAN (3)	-	TI latest publication (random display without answer number)	D SCAN

DISPLAY and PRINT Formats (cont'd)

(DE-DUP= De-duplicated family content)

Family related Display Formats	DE-DUP (D)	Definition	Examples
TRIAL (TRI, FREE, SAMPLE, SAM)	D	one TI (TIEN), IPCI, IPCR, CPC, FTRM, FCL, FA	D TRIAL 5

- (1) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.
- (2) PC = all patent countries.
- (3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.
- (4) In format PILS legal status is displayed without the information PRI, APP, and PUB.

DISPLAY Fields

If a single field name is entered, either the de-duplicated content or the full family information for this field will be displayed (and in this latter case the field will be charged with the full family price)

Display Fields	DE-DUP	Definition	Examples
AB	D	Abstract	D AB
ABDE	D	Abstract German	D ABDE
ABEN	D	Abstract English	D ABEN
ABES	D	Abstract Spanish	D ABES
ABFR	D	Abstract French	D ABFR
ABO	D	Abstract, Original	D ABO
ABOL	D	Abstract (other language)	D ABOL
AI (AP) (1)	-	Application Information	D AI
AIT	D	Application Kind Code Text	D AIT
AL	D	Abstract Language	D AL
AN	-	Accession Number	D AN
APO	-	Application Number Original	D APO
CPC	D	Cooperative Patent Classification	D CPC
DAV	-	Data Availability	D DAV
DF	-	Date in Force	D DF
DN	-	Document Number (INPADOCDB AN)	D DN
DOCID	-	Application ID	D DOCID
DS	-	Designated States	D DS
DT (TC)	-	Document Type	D DT
ED	D	Entry Date	D 1-5 ED UP
EDP	-	Entry Date Patent	D EDP
EW	D	Entry Week	D EW
FA	D	Field Availability	D FA
FCL (JPC)	D	Japanese Patent Classifications (FI-Terms)	D FCL
FDT	D	Filing Details	D FDT
FSTAT	D	PRCNT, ACNT, PCNT, SFCNT, CCNT, LSCNT	D FSTAT
FTRM (FTERM, FTCLA, JPCLA)	D	Japanese Patent Classifications (F-Terms)	D FTRM
IC	D	International Patent Classification	D IC
ICA	D	IPC, Additional (supplementary)	D ICA
ICI	D	IPC, Index (complementary)	D ICI
ICM	D	IPC, Main	D ICM L7
ICS	D	IPC, Secondary	D ICS
IN (AU)	D	Inventor	D IN
IN.CNY	-	Inventor, Country	D INS
INA	D	Inventor Address	D INA
INO	-	Inventor, Original	D INO, D ALLO
INS	D	Inventor INPADOC Standard	D INS
IPC	D	International Patent Classification	D IPC

INPAFAMDB

DISPLAY Fields (cont'd)

Display Fields	DE-DUP	Definition	Examples
IPCI	D	IPC, Initial	D IPCI
IPCR	D	IPC, Reclassified	D IPCR
LA	D	Language	D LA
LAF	D	Language of Filing	D LAF
PA (CS)	D	Patent Assignee	D PA TI 1-10
PAA	-	Patent Assignee Address	D PAA
PA.CNY	-	Patent Assignee, Country	D PA.CNY
PAO	-	Patent Assignee, Original	D PAO, D ALLO
PAS	D	Patent Assignee INPADOC Standard	D PAS
PI (PN) (1)	-	Patent Information	D PI
PIT	-	Patent Information Publication Type	D PIT 1-5
PNK	-	Patent Number/Kind Code	D PNK
PNO	-	Patent Number Original	D PNO
PRAI (PRN) (1)	D	Priority Information	D PRAI
PRAIT	D	Priority Kind Text	D PRAIT
PRNO	-	Priority Application Number, Original	D ALLO
PTA	-	Patent Term Adjustment	D PTA
PUBID	-	Publication ID	D PUBID
SFN	-	Simple Family Number (EPO)	D SFN
STA	-	Patent Stage	D STA
STED	-	Status Established Date	D STED
STI	-	Status Indicator	D STI
TI	D	Title	D TI
TIDE	D	Title (German)	D TIDE
TIEN	D	Title (English)	D TIEN
TIES	D	Title (Spanish)	D TIES
TIFR	D	Title (French)	D TIFR
TIO	D	Title, Original	D TIO
TIOL	D	Title (other language)	D TIOL
TL	D	Title Language	D TL
UP	D	Update Date	D UP
UW	D	Update Week (INPADOC Week)	D UW
XPD	-	Calculated Expiration Date	D XPD
XPY	-	Calculated Expiration Year	D XPY
HIT	-	Hit term(s) and field(s)	D HIT
KWIC	-	Up to 50 words before and after hit term(s) (KeyWord-In-Context)	D KWIC
OCC	-	Number of occurrences of hit term(s) and field(s) in which they occur	D OCC

(1) Application, patent, and priority number are available in STN and Derwent format. The format for DISPLAY, PRINT, SELECT, and SORT is set using the SET PATENT command. STN is the default format. Enter SET PAT DERWENT to change to the Derwent format. To reset to the STN format, enter SET PAT STN.

Default sorting within the Patent Family Display Formats

Format	Default sorted by
FAM	PRN (Priority Number)
DFAM	PRN (Priority Number)
EFAM	PRN (Priority Number)
FFAM	PN (Patent Number) of the highest level
LFAM	PN (Patent Number) of the highest level
CFAM	AP (Application Number)

UPDATE and SDI

UPDATE CODES (for SDI also)

Update codes or entry dates associated with records

All fields are numeric search field that may be searched using numeric operators or ranges.

Field Name	Search Code	Search Examples	Display Code
Entry Date	/ED	S L1 AND ED>DEC 2019	ED
Entry Date + Legal Status Update	/EDLS	S 20200924/EDLS	not displayed
Entry Date Patent	/EDP	S 20200109/EDP	EDP, UPALL
Entry Date Priority	/EDPR	S 20200924/EDPR	PRAI
Update Date	/UP	S 20200102 /UP	LS
Update Date of the BIB fields	/UPBB	S L1 AND UPBB> 20200102	UPALL
Update Date Classifications	/UPCC	S L1 AND UPCC> 20200102	UPALL
Update Legal Status	/UPLS	S 20200102/UPLS	LS
All updates of a record	/UPM	S 20200102/UPM	not displayed
Entry Date new patent family	/EDF	S L1 AND EDF>21 MAR 2020	UPALL
All changes in a patent family	/UPFA	S L1 AND 20200102/UPFA	not displayed
Any change of a bibliographic element in a patent family	/UPFB	S L1 AND 20200102/UPFB	UPALL
Update Date for combined or split Patent Family	/UPFC	S L1 AND UPFC=OCT 2019	UPFC
Entry of a new database record document) into a patent family (level 1)	/UPFD	S L1 AND 20200102UPFD	UPALL
Entry of a new publication and changes in legal status	/UPFE	S L1 AND 20200102/UPFE	not displayed
Any change of a legal status in a patent family	/UPFL	S L1 AND 20200102/UPFL	UPALL
Entry of a new publication level into a patent family	/UPFP	S L1 AND 20200102/UPFP	UPALL

Family Display and Print Formats – Weekly SDI

Format	Definition	Examples
FFAMED	STD for new publications and/or LSUP for each updated family	D FFAMED
IFAMED	Indented FFAMED plus patent family table	D IFAMED
FFAMED.PC	FFAMED for a specific country only (all countries possible)	D FFAMED.US
FFAMUP	STD + LS for each updated family	D FFAMUP
IFAMUP	Indented FFAMUP plus patent family table	D IFAMUP
FFAMUP.PC	FFAMUP for a specific country only (all countries possible)	D FFAMUP.WO
LFAMUP	AN, PI, LSUP for all updated members of a patent family	D LFAMUP
LFAMUP.PC	LFAMUP for a specific country only (all countries possible)	D LFAMUP.EP

Family Display and Print Formats – Monthly SDI

Format	Definition	Examples
FFAMED4	STD for new publications and/or LSUP for each updated family	D FFAMED4
IFAMED4	Indented FFAMED4 plus patent family table	D IFAMED4
FFAMUP4	STD + LS for each updated family	D FFAMUP4
IFAMUP4	Indented FFAMUP4 plus patent family table	D IFAMED4
LFAMUP4	AN, PI, LSUP for all updated members of a patent family	D LFAMUP4

INPAFAMDB**SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	N
Abstract (English)	ABEN	Y	N
Abstract (French)	ABFR	Y (2)	N
Abstract (German)	ABDE	Y (2)	N
Abstract (other language)	ABOL	Y (2)	N
Abstract (Spanish)	ABES	Y (2)	N
Abstract Language	AL	Y	Y
Accession Number	AN	Y	Y
Application Country	AC	Y	N
Application Date	AD	Y	N
Application Kind Code	AK	Y	N
Application Kind Code Text	AIT	Y	N
Application Number	AP (AI)	Y (3)	N
Application Number Count	ACNT	Y	Y
Application Number Group	APPS	Y (3,4)	N
Application Number, Original	APO	Y	N
Application Year	AY	Y	N
Calculated Expiration Date	XPD	Y	N
Calculated Expiration Year	XPY	Y	N
Cooperative Patent Classification	CPC	Y	N
Country Number Count	CCNT	Y	Y
Date in Force	DF	Y	N
Designated State	DS	Y	N
Document Type	DT (TC)	Y	N
Entry Date	ED	Y	N
Entry Date Patent	EDP	Y	N
Entry Week	EW	Y	N
EPO Simple Family Member Count	SFCNT	Y	Y
Filing Details	FDT	Y	N
INPADOCDB Document Number	DN	Y	N
International Patent Classification	IC	Y	N
International Patent Classification	IPC	Y	N
Inventor	IN (AU)	Y	N
Inventor, Country	IN.CNY	Y	N
Inventor Address	INA	Y	N
Inventor INPADOC Standard	INS	Y	N
IPC, Additional (supplementary)	ICA	Y	N
IPC, First	ICPF	Y	N
IPC, Index (complementary)	ICI	Y	N
IPC, Initial	IPCI	Y (5)	N
IPC, Main	ICM	Y	N
IPC, Reclassified	IPCR	Y (5)	N
IPC, Secondary	ICS	Y	N
Japanese Patent Classification (FI-Terms)	FCL	Y	N
Japanese Patent Classification (F-Terms)	FTRM	Y	N
Language	LA	Y	N
Language of Filing	LAF	Y	N
Legal Status Code	LSC	Y	N
Legal Status Code Category	LSC2	Y	N
Legal Status Code Country	LSCC	Y	N
Legal Status Count	LSCNT	Y	Y
Legal Status Date INPADOC GAZETTE	LSD	Y	N
Legal Status Event Class	LSEC	Y	N
Legal Status Free Format Text	LSFT	Y	N

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Legal Status IPC	LSIC	Y	N
Legal Status Patent Assignee	LSPA	Y	N
Legal Status Patent Inventor	LSIN	Y	N
Legal Status Patent Opponent	LSOP	Y	N
Legal Status, Payment Year	LSPMY	Y	N
Legal Status Publication Country	LSPC	Y	N
Legal Status Publication Date	LSPD	Y	N
Legal Status Publication Number	LSPN	Y	N
Legal Status Representative/Agent	LSAG	Y	N
Legal Status SPC Number	LSSPC	Y	N
Legal Status SPC, Expiry Date	LSSPC.XD	Y	N
Legal Status SPC, Extension Date	LSSPC.EX	Y	N
Legal Status SPC, Filing Date	LSSPC.FD	Y	N
Occurrence Count of Hit Terms	OCC	N	Y
Patent Assignee	PA (CS)	Y	N
Patent Assignee Address	PAA	Y	N
Patent Assignee, Country	PA.CNY	Y	N
Patent Assignee INPADOC Standard	PAS	Y	N
Patent Number Group	PATS	Y (3,6)	N
Patent Number/Kind Code	PNK	Y	N
Patent Country	PC	Y	N
Patent Information Publication Type	PIT	Y	N
Patent Kind Code	PK	Y	N
Patent Number	PN (PI)	Y (3)	N
Patent Number, Original	PNO	Y	N
Patent Stage	STA	Y	N
Patent Term Adjustment	PTA	Y	N
Priority Country	PRC	Y	N
Priority Country, First	PRCF	Y	Y
Priority Date	PRD	Y	N
Priority Date, First	PRDF	Y	Y
Priority Kind Code	PRK	Y	Y
Priority Kind Text	PRAIT	Y	N
Priority Number	PRN (PRAI)	Y (3)	N
Priority Number Count	PRCNT	Y	Y
Priority Number, Original	PRNO	Y	N
Priority Year	PRY	Y	N
Priority Year, First	PRYF	Y (7)	Y
Publication Date	PD	Y	N
Publication Number Count	PCNT	Y	Y
Publication Year	PY	Y	N
Status Established Date	STED	Y	N
Status Indicator	STI	Y	N
Title	TI	Y (default)	N
Title (English)	TIEN	Y	N
Title (French)	TIFR	Y	N
Title (German)	TIDE	Y	N
Title (Spanish)	TIES	Y	N
Title (other language)	TIOL	Y	N
Title Language	TL	Y	N
Update Date	UP	Y	N
Update Week	UW	Y	N

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) Appends /AB to the terms created by SELECT.
- (3) SELECTed and SORTed application, priority and patent numbers are in the format set by the Messenger SET PATENT command, either DERWENT or STN.
- (4) Selects or analyzes AP, PRN, and appends /APPS to the terms created by SELECT.
- (5) Appends /IPC to the terms created by SELECT.
- (6) Selects or analyzes /PN, /RPN with /PATS appended to the terms created by SELECT.
- (7) SELECT or ANALYZE HIT are not valid with this field.

INPAFAMDB

Sample Records

DISPLAY BRIEF (default)

AN 65149450 INPAFAMDB EWF 201947 UWF 202052 EDF 20191121 UPFB 20201224
 TI POSITION SENSING DEVICE
 INS MUNDER GUNNAR, DE; TEICHMANN PETER, DE
 PAS MELEXIS TECHNOLOGIES NV, BE
 IPCI G01B0007-00; G01D0001-16; G01D0005-20
 CPC G01B0007-003; G01D0001-16; G01D0005-204; G01D0005-2013; G01D0005-2053
 AB The present invention relates to a device for position sensing comprising sensing means arranged for producing at least two sensor signals (INO, IN1, IN2), and a signal construction unit (40) arranged for obtaining from said at least two sensor signals at least two time-synchronous signals, said signal construction unit comprising- selection means (21) for selecting in a serial way one of the at least two time-synchronous signals,- sampling means (15) for sampling the selected time-synchronous signal at given sampling instants,- storage means (34) for storing sampled data representing the selected time-synchronous signal and timing information indicating which of the given sampling instants were used to obtain the sampled data,- processing means (33) for determining at one of the given sampling instants a value for at least one of said time-synchronous signals that was not sampled at the one given sampling instant by performing an interpolation using data values of the at least one time synchronous signal stored in the storage means and obtained at another point in time than the one given sampling instant. (EP3569986 A1).

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+			+----- Applications -----+ +- STI --+		
CN 110487304	A	20191122	CN 2019-10211238	A	20190320 A
CN 110487304	B	20200414			
EP 3569986	A1	20191120	EP 2018-172083	A	20180514 I
EP 3569986	B1	20200408			
US 20190346249	A1	20191114	US 2019-16411351	A	20190514 A
US 10866079	B2	20201215			
+----- Priorities -----+					
EP 2018-172083	A	20180514			

FSTAT 1 priority, 3 applications, 6 publications (1 EPO simple family)
 3 countries, 52 legal status events

DISPLAY FAM

PATENT FAMILY INFORMATION

+-----PRAI-----+			+-----AI-----+		
EP 2018-172083	A	20180514	CN 2019-10211238	A	20190320
			EP 2018-172083	A	20180514
			US 2019-16411351	A	20190514
+-----AI-----+			+-----PI-----+		
CN 2019-10211238	A	20190320	CN 110487304	A	20191122
			CN 110487304	B	20200414
EP 2018-172083	A	20180514	EP 3569986	A1	20191120
			EP 3569986	B1	20200408
US 2019-16411351	A	20190514	US 20190346249	A1	20191114

1 priority, 3 applications, 5 publications (1 EPO simple family)
 3 countries, 27 legal status events

DISPLAY CFAM

PATENT FAMILY INFORMATION

+----- Publications -----+			+--- Status ---+		+--- Status Date ---+	
CN 110487304	A	20191122	ALIVE		20201121	
CN 110487304	B	20200414	ALIVE		20201121	
EP 3569986	A1	20191120	INDETERMINATE		20201107	
EP 3569986	B1	20200408	INDETERMINATE		20201106	
US 20190346249	A1	20191114	ALIVE		20201121	
US 10866079	B2	20201215	ALIVE		20201224	

FSTAT 1 priority, 3 applications, 6 publications (1 EPO simple family)
 3 countries, 52 legal status events

DISPLAY LFAM

MEMBER 1

AN 65149450 INPAFAMDB ED 20191205 EW 201949 UP 20200528 UW 202052
 DN 98159413
 PI CN 110487304 A 20191122
 STI ALIVE

AN 65149450 INPAFAMDB ED 20200423 EW 202017 UP 20200528 UW 202052
 DN 98159413
 PI CN 110487304 B 20200414
 STI ALIVE

LEGAL STATUS

20191122 CNPB01 PUBLICATION
 PUB New or Withdrawn Publication
 Q DOCUMENT PUBLICATION
20191212
 20200306 CNSE01 ENTRY INTO FORCE OF REQUEST FOR SUBSTANTIVE EXAMINATION
 EXA Examination, Search Report
 D SEARCH AND EXAMINATION
20200326
 20200414 CNGR01 + PATENT GRANT
 MIS Miscellaneous or Ambiguous
 F IP RIGHT GRANT
20200507

MEMBER 2

AN 65149450 INPAFAMDB ED 20191121 EW 201947 UP 20200528 UW 202052
 DN 97947441
 PI EP 3569986 A1 20191120
 STI INDETERMINATE

AN 65149450 INPAFAMDB ED 20200409 EW 202015 UP 20200528 UW 202052
 DN 97947441
 PI EP 3569986 B1 20200408
 STI INDETERMINATE

LEGAL STATUS

20191120 EPAX + REQUEST FOR EXTENSION OF THE EUROPEAN PATENT
 BA ME
 MIS Miscellaneous or Ambiguous
 W OTHER
20191128
 20191120 EPAK + DESIGNATED CONTRACTING STATES
 EP A1
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
 LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 MIS Miscellaneous or Ambiguous
 W OTHER
20191128
 20191120 EP17P + REQUEST FOR EXAMINATION FILED
 20181030
 EXA Examination, Search Report
 D SEARCH AND EXAMINATION
20191128
 20200109 EPGRAP + DESPATCH OF COMMUNICATION OF INTENTION TO GRANT A PATENT
 ORIGINAL CODE: EPIDOSNIGR1
 EXA Examination, Search Report
 D SEARCH AND EXAMINATION
20201022
 20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT
 G01D0001/16
 CLA Change, Removal or Addition of Classifications
 Y CORRECTION AND DELETION OF EVENT INFORMATION
20200123
 20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT
 G01D0005/20
 CLA Change, Removal or Addition of Classifications
 Y CORRECTION AND DELETION OF EVENT INFORMATION
20200123
 20200205 EPINTG + INTENTION TO GRANT ANNOUNCED
 20200110

INPAFAMDB

EXA Examination, Search Report
D SEARCH AND EXAMINATION
.....20200213

20200224 EPGRAS + GRANT FEE PAID
ORIGINAL CODE: EPIDOSNIGR3
FEE Fee Payment
U PAYMENT
.....20201022

20200306 EPGRAA + (EXPECTED) GRANT
ORIGINAL CODE: 0009210
MIS Miscellaneous or Ambiguous
F IP RIGHT GRANT
.....20201022

20200408 EPAK + DESIGNATED CONTRACTING STATES
EP B1
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
MIS Miscellaneous or Ambiguous
W OTHER
.....20200416

20200415 EPREG REFERENCE TO A NATIONAL CODE
ATREF + AT: REFERENCE TO AT NUMBER (EP PATENT ENTERS AUSTRIAN NATIONAL
PHASE)
AT 1254997 T
AT: 20200415
ENP Entry into National Phase
W OTHER
.....20200423

20200415 EPREG REFERENCE TO A NATIONAL CODE
CHEP + CH: EUROPEAN PATENT TAKES EFFECT AS A NATIONAL PATENT IN CH/LI
CH
ENP Entry into National Phase
W OTHER
.....20200423

20200430 EPREG REFERENCE TO A NATIONAL CODE
DER096 + DE: DPMA PUBLICATION OF MENTIONED EP PATENT GRANT
DE 602018003535
DE
PUB New or Withdrawn Publication
F IP RIGHT GRANT
.....20200507

20200513 EPREG REFERENCE TO A NATIONAL CODE
IEFG4D + IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
IE
ENP Entry into National Phase
W OTHER
.....20200611

20200731 EPPGFP + ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED VIA POSTGRANT
INFORMATION FROM NATIONAL OFFICE TO EPO]
FR: 20200528
PAYMENT YEAR: 3
FEE Fee Payment
U PAYMENT
.....20200827

20200916 EPREG REFERENCE TO A NATIONAL CODE
NLMP - NL: PATENT INVALID IN THE NETHERLANDS AS NO TRANSLATION HAS BEEN
FILED
NL: 20200408
WTH Withdrawal, Refusal, etc.
H IP RIGHT CESSATION
.....20201001

20200925 EPREG REFERENCE TO A NATIONAL CODE
LTMG4D - LT: INVALIDATED EUROPEAN PATENT
LT
WTH Withdrawal, Refusal, etc.
H IP RIGHT CESSATION
.....20201001

20201030 EPPGFP + ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED VIA POSTGRANT
INFORMATION FROM NATIONAL OFFICE TO EPO]
DE: 20200609
PAYMENT YEAR: 3
FEE Fee Payment
U PAYMENT
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION

FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
NL: 20200408

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
FI: 20200408

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
LT: 20200408

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
IS: 20200808

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
GR: 20200709

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201112

...
20201115 EPREG
ATMK05 REFERENCE TO A NATIONAL CODE
- AT: DELETION ACC. TO PAR. 5 (WITHDRAWAL OF THE TRANSLATION OF THE
EP PATENT)
AT 1254997 T
AT: 20200408

WTH Withdrawal, Refusal, etc.
H IP RIGHT CESSATION
.....20201126

20201130 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
RS: 20200408

LAP Lapse (Non-Payment of Fees)
H IP RIGHT CESSATION
.....20201210

...

MEMBER 3

AN 65149450 INPAFAMDB ED 20191121 EW 201947 UP 20200528 UW 202052
DN 98031197
PI US 20190346249 A1 20191114
STI ALIVE

AN 65149450 INPAFAMDB ED 20201224 EW 202052 UP 20201224 UW 202052
DN 98031197
PI US 10866079 B2 20201215
STI ALIVE

LEGAL STATUS

20190514 USFEPP FEE PAYMENT PROCEDURE
ENTITY STATUS SET TO UNDISCOUNTED (ORIGINAL EVENT CODE: BIG.);
ENTITY STATUS OF PATENT OWNER: LARGE ENTITY
FEE Fee Payment
U PAYMENT
.....20210121

INPAFAMDB

20190514 USAS ASSIGNMENT
 MELEXIS TECHNOLOGIES NV, BELGIUM
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:MUNDER,
 GUNNAR;TEICHMANN, PETER;SIGNING DATES FROM 20190222 TO
 20190304;REEL/FRAME:049170/0031
 CHG Change of Owner, Inventor, Applicant
 R PARTY DATA CHANGE
20191128

20190701 USSTPP INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN
 GENERAL
 DOCKETED NEW CASE - READY FOR EXAMINATION
 EXA Examination, Search Report
 W OTHER
20191219

20200720 USSTPP INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN
 GENERAL
 RESPONSE TO EX PARTE QUAYLE ACTION ENTERED AND FORWARDED TO
 EXAMINER
 EXA Examination, Search Report
 W OTHER
20200806

20200910 USSTPP INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN
 GENERAL
 NOTICE OF ALLOWANCE MAILED -- APPLICATION RECEIVED IN OFFICE OF
 PUBLICATIONS
 EXA Examination, Search Report
 W OTHER
20201001

20201112 USSTPP INFORMATION ON STATUS: PATENT APPLICATION AND GRANTING PROCEDURE IN
 GENERAL
 PUBLICATIONS -- ISSUE FEE PAYMENT VERIFIED
 EXA Examination, Search Report
 W OTHER
20201203

FSTAT 1 priority, 3 applications, 6 publications (1 EPO simple family)
 3 countries, 52 legal status events

DISPLAY MFAM.EP

AN 65149450 INPAFAMDB ED 20191121 EW 201947 UP 20200528 UW 2020252
 DN 97947441
 TIDE POSITIONSERFASSUNGSVORRICHTUNG.
 TL German
 TIEN POSITION SENSING DEVICE.
 TL English
 TIFR DISPOSITIF DE DETECTION DE POSITION.
 TL French
 IN MUNDER, Gunnar; TEICHMANN, Peter
 INS MUNDER GUNNAR, DE; TEICHMANN PETER, DE
 PA Melexis Technologies NV
 PAS MELEXIS TECHNOLOGIES NV, BE
 DT Patent
 PI EP 3569986 A1 20191120 English
 DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK
 MT NL NO PL PT RO RS SE SI SK SM TR
 XS: BA ME

PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
 DAV 20191120 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 XPD 20380514
 STI INDETERMINATE
 AI EP 2018-172083 A 20180514 EPA Patent application
 PRAI EP 2018-172083 A 20180514 EPA Patent application (Y,20191121)
 IPCI G01D0005-20; G01D0001-16
 CPC G01D0005-204; G01D0001-16; G01D0005-2013; G01B0007-003; G01D0005-2053
 ABEN The present invention relates to a device for position sensing comprising sensing
 means arranged for producing at least two sensor signals (INO, IN1, IN2), and a
 signal construction unit (40) arranged for obtaining from said at least two sensor
 signals at least two time-synchronous signals, said signal construction unit
 comprising-selection means (21) for selecting in a serial way one of the at least
 two time-synchronous signals,- sampling means (15) for sampling the selected time-
 synchronous signal at given sampling instants,- storage means (34) for storing
 sampled data representing the selected time-synchronous signal and timing
 information indicating which of the given sampling instants were used to obtain the
 sampled data,- processing means (33) for determining at one of the given sampling

instants a value for at least one of said time-synchronous signals that was not sampled at the one given sampling instant by performing an interpolation using data values of the at least one time synchronous signal stored in the storage means and obtained at another point in time than the one given sampling instant.
(EP3569986 A1).

AL English
AS National Office
FA ABEN; CPC; DAV; DS; DT; IN; INS; INO; IPCI; LA; LSDF; LSIC; LSPI; LSPMY; PA; PAS; PI; TIEN; TIFR; TIDE; XPD

AN 65149450 INPAFAMDB ED 20200409 EW 202015 UP 20200528 UW 202022
DN 97947441
TIDE POSITIONSERFASSUNGSVORRICHTUNG.
TL German
TIEN POSITION SENSING DEVICE.
TL English
TIFR DISPOSITIF DE DETECTION DE POSITION.
TL French
IN MUNDER, Gunnar; TEICHMANN, Peter
INS MUNDER GUNNAR, DE; TEICHMANN PETER, DE
PA Melexis Technologies NV
PAS MELEXIS TECHNOLOGIES NV, BE
DT Patent
PI EP 3569986 B1 20200408 English
DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

PIT EPB1 PATENT SPECIFICATION
DAV 20200408 printed-with-grant
STA GRANTED
XPD 20380514
STI INDETERMINATE
AI EP 2018-172083 A 20180514 EPA Patent application
PRAI EP 2018-172083 A 20180514 EPA Patent application (Y,20191121)
IPCI G01D0005-20; G01D0001-16
CPC G01D0005-204; G01D0001-16; G01D0005-2013; G01B0007-003; G01D0005-2053
FA CPC; DAV; DS; DT; IN; INS; INO; IPCI; LA; PA; PAS; PI; TIEN; TIFR; TIDE; XPD

LEGAL STATUS

AN 65149450 INPAFAMDB
20191120 EPAX + REQUEST FOR EXTENSION OF THE EUROPEAN PATENT
BA ME
MIS Miscellaneous or Ambiguous
W OTHER
.....20191128

20191120 EPAK + DESIGNATED CONTRACTING STATES
EP A1
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
MIS Miscellaneous or Ambiguous
W OTHER
.....20191128

20191120 EP17P + REQUEST FOR EXAMINATION FILED
20181030
EXA Examination, Search Report
D SEARCH AND EXAMINATION
.....20191128

20200109 EPGRAP + DESPATCH OF COMMUNICATION OF INTENTION TO GRANT A PATENT
ORIGINAL CODE: EPIDOSNIGR1
EXA Examination, Search Report
D SEARCH AND EXAMINATION
.....20201022

20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT
G01D0001/16
CLA Change, Removal or Addition of Classifications
Y CORRECTION AND DELETION OF EVENT INFORMATION
.....20200123

20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT
G01D0005/20
CLA Change, Removal or Addition of Classifications
Y CORRECTION AND DELETION OF EVENT INFORMATION
.....20200123

20200205 EPINTG + INTENTION TO GRANT ANNOUNCED
20200110
EXA Examination, Search Report
D SEARCH AND EXAMINATION
.....20200213

INPAFAMDB

20200224 EPGRAS + GRANT FEE PAID
ORIGINAL CODE: EPIDOSNIGR3
FEE Fee Payment
U PAYMENT
.....20201022

20200306 EPGRAA + (EXPECTED) GRANT
ORIGINAL CODE: 0009210
MIS Miscellaneous or Ambiguous
F IP RIGHT GRANT
.....20201022

20200408 EPAK + DESIGNATED CONTRACTING STATES
EP B1
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT
LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
MIS Miscellaneous or Ambiguous
W OTHER
.....20200416

20200415 EPREG
ATREF + AT: REFERENCE TO AT NUMBER (EP PATENT ENTERS AUSTRIAN NATIONAL
PHASE)
AT 1254997 T
AT: 20200415
ENP Entry into National Phase
W OTHER
.....20200423

20200415 EPREG
CHEP + CH: EUROPEAN PATENT TAKES EFFECT AS A NATIONAL PATENT IN CH/LI
CH
ENP Entry into National Phase
W OTHER
.....20200423

20200430 EPREG
DER096 + DE: DPMA PUBLICATION OF MENTIONED EP PATENT GRANT
DE 602018003535
DE
PUB New or Withdrawn Publication
F IP RIGHT GRANT
.....20200507

20200513 EPREG
IEFG4D + IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
IE
ENP Entry into National Phase
W OTHER
.....20200611

20200731 EPPGFP + ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED VIA POSTGRANT
INFORMATION FROM NATIONAL OFFICE TO EPO]
FR: 20200528
PAYMENT YEAR: 3
FEE Fee Payment
U PAYMENT
.....20200827

20200916 EPREG
NLMP - NL: PATENT INVALID IN THE NETHERLANDS AS NO TRANSLATION HAS BEEN
FILED
NL: 20200408
WTH Withdrawal, Refusal, etc.
H IP RIGHT CESSATION
.....20201001

20200925 EPREG
LTMG4D - LT: INVALIDATED EUROPEAN PATENT
LT
WTH Withdrawal, Refusal, etc.
H IP RIGHT CESSATION
.....20201001

20201030 EPPGFP + ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED VIA POSTGRANT
INFORMATION FROM NATIONAL OFFICE TO EPO]
DE: 20200609
PAYMENT YEAR: 3
FEE Fee Payment
U PAYMENT
.....20201112

20201030 EPPG25 - LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
FROM NATIONAL OFFICE TO EPO]
LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT

NL: 20200408
 LAP Lapse (Non-Payment of Fees)
 H IP RIGHT CESSATION
20201112
20201112
 20201115 EPREG REFERENCE TO A NATIONAL CODE
 ATMK05 - AT: DELETION ACC. TO PAR. 5 (WITHDRAWAL OF THE TRANSLATION OF THE
 EP PATENT)
 AT 1254997 T
 AT: 20200408
 WTH Withdrawal, Refusal, etc.
 H IP RIGHT CESSATION
20201126
 20201130 EPPG25 - LAPSE IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION
 FROM NATIONAL OFFICE TO EPO]
 LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION
 OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
 RS: 20200408
 LAP Lapse (Non-Payment of Fees)
 H IP RIGHT CESSATION
20201210
 ...
 FSTAT 1 priority, 3 applications, 6 publications (1 EPO simple family)
 3 countries, 52 legal status events

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