

# INPAFAMDB (INternational PATent FAMily DataBase)



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<b>Subject Coverage</b>	<ul style="list-style-type: none"><li>All areas of science and technology, i.e., all classes of the International Patent Classification</li></ul>																				
<b>File Type</b>	Bibliographic																				
<b>Features</b>	<table><tr><td>Thesauri</td><td colspan="3">Cooperative Patent Classification (CPC) and International Patent Classification (IPC)</td></tr><tr><td><a href="#">Alerts (SDIs)</a></td><td colspan="3">Weekly or monthly (Weekly is the default)</td></tr><tr><td>CAS Registry Number® Identifiers</td><td><input type="checkbox"/></td><td>Page Images</td><td><input type="checkbox"/></td></tr><tr><td><a href="#">Keep &amp; Share</a></td><td><input checked="" type="checkbox"/></td><td>SLART</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Learning Database</td><td><input checked="" type="checkbox"/></td><td>Structures</td><td><input type="checkbox"/></td></tr></table>	Thesauri	Cooperative Patent Classification (CPC) and International Patent Classification (IPC)			<a href="#">Alerts (SDIs)</a>	Weekly or monthly (Weekly is the default)			CAS Registry Number® Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	Learning Database	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>
Thesauri	Cooperative Patent Classification (CPC) and International Patent Classification (IPC)																				
<a href="#">Alerts (SDIs)</a>	Weekly or monthly (Weekly is the default)																				
CAS Registry Number® Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>																		
<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>																		
Learning Database	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>																		
<b>Record Content</b>	<ul style="list-style-type: none"><li>Family data of patent documents, utility models, and design patents of more than 100 patent-issuing organizations including the European Patent Office (EPO) and the World Intellectual Property Organization (WIPO).</li><li>Legal status data of 98 patent-issuing organizations (54 countries + from 44 countries of the national phases PCT/EP).</li><li>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.</li><li>Abstracts are provided for more than 66 million records with more than 60 million abstracts in English.</li><li>Calculated expiration dates are provided for all patent authorities except WO and ID, see HELP XPD for details.</li><li>Note: The family number can change due to corrections/updates of patent relevant numbers and codes.</li></ul>																				
<b>File Size</b>	<p>More than 100 million patent family records with about 127 million publications from 1782 to the present (12/2020)</p> <p>More than 335 million legal status data in more than 65 million patent families from 1968 to present (12/2020)</p>																				
<b>Coverage</b>	1782-present																				
<b>Updates</b>	Weekly with 200,000-1,000,000 records and 400,000-1,000,000 legal status data																				
<b>Language</b>	English																				
<b>Database Producer</b>	European Patent Office Vienna Sub Office P.O. Box 90 Austria Phone: +43 1 52126-0 Fax: +43 1 52126-5491 Email: <a href="mailto:patentdata@epo.org">patentdata@epo.org</a> Copyright Holder																				

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<http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features>
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## 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?	AB, ABDE, ABFR, ABES, ABOL, ABS, TI
Abstract* (contains ABDE, ABEN, ABES, ABFR, ABOL) (1)	/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 languages)	/ABOL	S CATODICAMENTE/ABOL	ABOL
Abstract (Spanish)	/ABES	S BEBIDAS/ABES	ABES
Abstract Language (ISO code and text)	/AL	S DUTCH/AL	ALL, ALLO, IMAX, MAX, MAXO
Accession Number (=patent family 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 (2)	/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 (3)	/AP	S ZW1981-215/AP	AI
Application Number Count (2)	/ACNT	S ACNT=3	FSTAT
Application Number, Original	/APO	S KR6900415/APO	APO
Application Year (2)	/AY	S 1988/AY AND SIEMENS/PAS	AI
Calculated Expiration Date (2)	/XPD	S XPD=AUG 2023	XPD
Calculated Expiration Year (2)	/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 (2)	/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 (2)	/CPC.VER	S 20130101/CPC.VER	CPC.TAB
Data Availability	/DAV	S NOT-PRINTED-WITH-GRANT/DAV	DAV
Date in Force (2,4)	/DF	S 20000127 /DF	DF
Designated States	/DS	S W JP/DS	DS
Document Number (INPADOCDB AN)	/DN	S 98543006/DN	DN
Document Type (code and text)	/DT (or /TC)	S U/DT AND UNILEVER/PAS	DT
Entry Date (2)	/ED	S L1 AND ED>2 JAN 2020	ED
Entry Date New Patent Family (2)	/EDF	S 20200604 /EDF	EDF
Entry Date New Publication and/or New Legal Status (2)	/EDLS	S EDLS=20200514	not displayed
Entry Date Patent (2)	/EDP	S 20200123 /EDP	EDP
Entry Date Priority (2)	/EDPR	S 2020 FEB/EDPR	PRAI
Entry Week (INPADOC) (2)	/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

## 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 (contains IPCI, IPCR)	/IPC	S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC	IC, ICA, ICI, ICM, ICS, IPCI, IPCR IN
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
IPC (contains ICM, ICS, ICA, ICI), Version 1-7 (5)	/IC	S C07H019-16/IC	IC
IPC, Action Date	/IPC.ACD	S 13 JAN 2006/IPC.ACD	IPC.TAB
IPC, Additional (supplementary) Version 1-7 (5)	/ICA	S H06B006-02 /ICA	ICA
IPC, Index (complementary) Version 1-7 (5)	/ICI	S C12P019-40/ICI	ICI
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main, Version 1-7 (5)	/ICM	S C23C0001-08/ICM	ICM
IPC, Secondary (5)	/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 /FTERM, 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 (6)	/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 Information Publication Type	/PIT	S ARA1/PIT	PIT
Patent Kind Code	/PK	S ZWA1/PK	PI
Patent Number (3)	/PN	S FI9902020/PN	PI
Patent Number Count	/PCNT	S 4/PCNT	FSTAT
Patent Number, Original	/PNO	S KR300392615S/PNO	PNO
Patent Number/Kind Code	/PNK	S WO2009006253A2/PNK	PNK
Patent Status	/STA	S GRANTED/STA AND LASER/TI	STA
Priority Country (WIPO code and text)	/PRC	S JP/PRC AND 19880101/PRD	PRAI
Priority Date (2)	/PRD	S JP/PRC AND 19880101-19880331/PRD	PRAI
Priority Date, First (2)	/PRDF	S MARCH 2009/PRDF	PRAI
Priority Kind Code	/PRK	S DEA/PRK	PRAI
Priority Kind Text	/PRAIT	S ARA PATENT APPLICATION/PRAIT	PRAIT

## Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Priority Number (3)	/PRN	S US1990-184420/PRN	PRAI
Priority Number Count (2)	/PRCNT	S 6-7/PRCNT	FSTAT
Priority Number, Original	/PRNO	S KR1997055047/PRNO	PNO
Priority Year (2)	/PRY	S 1998/PRY AND US/PRC	PRAI
Priority Year, First (2)	/PRYF	S GB/PC AND 1998/ PRYF	PRAI
Publication Date (2)	/PD	S 19990104/PD	PI
Publication ID (EPO)	/PUBID	S 23409/PUBID	PUBID
Publication Year (2)	/PY	S 1999/PY	PI
Simple Family Number (EPO)	/SFN	S 12300006/SFN	SFN
Simple Family Number Count (EPO) (2)	/SFCNT	S 5/SFCNT	FSTAT
Title (English)	/TIEN	S CATABOLIC/TIEN	TIEN
Title (French)	/TIFR	S CATADIOPTRIQUE/TIFR	TIFR
Title (German)	/TIDE	S BEARBEITUNGSANLAGE/TIDE	TIDE
Title (other languages)	/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 (2)	/UP	S L1 AND UP>20200102	UP
Update Date All Patent Changes (2)	/UPM	S L1 AND 20200702/UPM	not displayed
Update Date Classifications (2)	/UPCC	S L1 AND UPCC> 20200702	UPALL
Update Date for combined or split Patent Family	/UPFC	S UPFC=OCT 2019	UPALL
Update Date New Patent Family Record (2)	/UPFD	S 20200702/UPFD	UPALL
Update Date New Publication and/or Legal Status Changes of the family (all updates in /UPFB, /UPFL)(2)	/UPFE	S 20200702/UPFE	UPALL
Update Date of the BIB fields (2)	/UPBB	S L1 AND UPBB> 20200702	UPALL
Update Date Patent Family (2) (all updates in /UPFB, /UPFC, /UPFL)	/UPFA	S 20200702/UPFA	UPALL
Update Date Patent Family Legal Status (2)	/UPFL	S 20200702/UPFL	UPALL
Update Date Patent Family Publication Level (2)	/UPFP	S 20200702/UPFP	UPALL
Update Date Patent Family Bibliographic (2)	/UPFB	S 20200702/UPFB AND L7	UPALL
Update Week (INPADOC Week) (2)	/UW	S UW=201806	UW

- (1) This field is available for selected countries and patent publications.  
(2) Numeric search field that may be searched using numeric operators or ranges.  
(3) Either STN format or Derwent format may be used.  
(4) For German Utility Models: Advertisement of registration.  
(5) Search in IPC8 format also available.  
(6) Search with implied (S) proximity is available.

## Legal Status Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Entry Date new publication and/or New Legal Status <b>(1)</b>	/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 <b>(1)</b>	/LSDF	S LSDF=20050109	LS
Legal Status Date INPADOC GAZETTE <b>(1)</b>	/LSD	S LSD=JAN 2020	LS
Legal Status Designated States (WIPO code and text)	/LSDS	S AU/LSDS S AUSTRALIA/LSDS	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	/LSCNT	S 30-40/LSCNT	LS
Legal Status Patent Inventor	/LSIN	S MAYER, BERND/LSIN S (MAYER(S)BERND)/LSIN	LS
Legal Status Represen./Agent	/LSAG	S (LORENZ AND PHILIPPS)/LSAG	LS
Legal Status Code Text	/LSTX	S CORRECTION/LSTX	LS
Legal Status Patent Assignee <b>(2)</b>	/LSPA	S (MAN CERAMICS)/LSPA	LS
Legal Status Patent Opponent	/LSOP	S SIEMENS AG/LSOP	LS
Legal Status, Payment Year <b>(1)</b>	/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 <b>(1)</b>	/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 <b>(1)</b>	/LSPY	S 1999-2000/LSPY	LS
Legal Status SPC Number	/LSSPC	S SPC/GB00/007/LSSPC	LS
Legal Status SPC, Expiry Date <b>(1)</b>	/LSSPC.XD	S LSSPC.XD>2025	LS
Legal Status SPC, Extension Date <b>(1)</b>	/LSSPC.EX	S 20230930 /LSSPC.EX	LS
Legal Status SPC, Filing Date <b>(1)</b>	/LSSPC.FD	S 20190102- 20190116/LSSPC.FD	LS
Update Date Legal Status <b>(1)</b>	/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, /PRN	S DE1984-3400052/APPS S 1984DE-3400052/APPS	AI, PRAI
Inventor Group Patent Assignee Group (2)	/INSS /PASS	/IN, /INS, /LSIN /PA, /PAS, /LSPA	S MEIE/INSS S FOOD AUTOMAT?/PASS	IPC PI
Patent Number Group (1) Patent Countries	/PATS /PCS	/PN, /RPN /DS, /PC	S WO1989004114/PATS S DE/PCS	PI, REP 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 (8<sup>th</sup>) 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 2<sup>nd</sup> edition. Catchwords are included only in the thesauri for the 8<sup>th</sup>, 7<sup>th</sup>, 6<sup>th</sup>, and 5<sup>th</sup> 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 G01J003-443+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 G01J003-44B+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 all display 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, INS, PAS, IPCI, IPCR, FTRM, FCL, 1 selected English abstracts (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)



## DISPLAY and PRINT Formats (cont'd)

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	MAXO.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	-	AN, AL, AS, ABDE, ABEN, ABES, ABRF, ABOL	D ABS
ALL (1)	D	BIB, plus AB, IND, FA	D ALL 6
IALL (1)	D	ALL, indented with text labels	D IALL L3 7
ALLO	D	ALL, PNO, APO, PRNO, FSTAT, plus data in original characters (UTF-8)	D ALLO
BIB (1)	-	AN, DN, ED, EW, UP, UW, TIDE, TIEN, TIES, TIFR, TIOL, TL, IN, INS, INA, PA, PAS, PAA, DT, LA, LAF, PI, PIT, DAV, DF, STA, DS, AI, AIT, PRAI, PRAIT, XPD deduplicated: AN, EDF, EWF, UPFB, UWF, UPFC, DN, TI, INS, PAS, PI, AI, PRAI, REC	D BIB
IBIB (1)	D	BIB, indented with text labels	D 5 IBIB
BRIEF	D	TIEN, INS, PAS, IPCI, IPCR, CPC, NCL, FTRM, FCL (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
IND	D	AN, ED, EW, UP, UW, IPC, CPC, IFTRM, FCL, LCL, OCL	D L5 IND
MAX (1)	-	BIB, plus AB, IN, 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
MAXO2 (1)	-	MAXO, plus display of special characters in the abstract	D MAXO2
STD (1)	D	BIB, IND	D STD

**DISPLAY and PRINT Formats (cont'd)**

(DE-DUP= De-duplicated family content)

Family related Display Formats	DE-DUP (D)	Definition	Examples
IC	-	International Patent Classification (ICM, ICS)	D IC
IPC	-	all IPC information for the family IC, IPCI, IPCR	D IPC
PATS (1)	-	Patent Number Group (PI, REP)	D PATS
UPALL	-	Table of update dates (AN, UPFC, UPFB, UPFD, EDF, DN, EDB, UP, ED)	D UPALL
TIPI (1)	-	TI + PI for all patent family members	D TIPI
PILS (1,4)	-	PI + LS for all patent family members	D PILS
BIBLS (1)	-	BIB + LS for all patent family members	D BIBLS
CFAM (1)	-	Condensed FAM with only PI in the table	D CFAM
CFAM2 (1)	-	Display for the condensed family table PI, AI, PRAI	D CFAM2
DFAM (1)	-	FAM, delimited for post processing	D DFAM
EFAM (1)	-	FAM, but the priority information constitutes the header	D EFAM

Family related Display Formats	DE-DUP (D)	Definition	Examples
FAM (1)	-	AN, table of patent family information	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 count numbers with PRCNT, ACNT, PCNT, SFCNT, CCNT, LSCNT	D FSTAT
IFAM (1)	-	Combines indented FAM and IMAX	D IFAM
IFAM2	-	IFAM, without abstract, classification and citation	D IFAM2
LFAM (1)	-	AN, PI, LSUP 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
PI.PDF (1)	-	Patent family PI information plus hyperlinks to the original documents (pdf) in espacenet	D PI.PDF
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
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 in other language	D ABOL
AI (1)	-	Application Information	D AI
AIT	D	Application Kind Code Text	D AIT
AL	-	Abstract Language	D ABS
AN	-	Accession Number	D AN
AP	-	Application Number	D AP
APO	-	Application Number Original	D APO
APPS (1)	-	Application Number Group	D APPS
AS	-	Abstract Source	D ABS
CPC	-	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	-	PRCNT, ACNT, PCNT, SFCNT, CCNT, LSCNT	D FSTAT
FTRM (FTERM, FTCLA, JPCLA)	D	Japanese Patent Classifications (F-Terms)	D FTRM
IC	-	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	D	Inventor	D IN
IN.CNY	-	Inventor, Country	D INS
INA	D	Inventor Address	D INA
INO	-	Inventor, Original	D ALLO
INS	D	Inventor INPADOC Standard	D INS
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
PAS	D	Patent Assignee INPADOC Standard	D PAS
PAO	-	Patent Assignee, Original	D ALLO
PI (PN) (1)	-	Patent Information	D PI
PI.B (PN.B)	-	Patent Information, Basic	D PI.B
PIT	-	Patent Information Publication Type	D PIT 1-5

## INPAFAMDB

## DISPLAY Fields (cont'd)

Display Fields	DE-DUP	Definition	Examples
PNC.G	-	Citing Patent Number Count	D PNC.G
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
PUBID	-	Publication ID	D PUBID
STA	-	Status	D STA
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 languages)	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

- (2) 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

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 2/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 (1)	/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 (1) IFAMED (1)	STD for new publications and/or LSUP for each updated family	D FFAMED
FFAMED.PC (1,2) FFAMUP (1) IFAMUP (1)	Indented FFAMED plus patent family table FFAMED for a specific country only STD + LS for each updated family	D IFAMED D FFAMED.US D FFAMUP
FFAMUP.PC (1,2) LFAMUP (1) LFAMUP.PC (1,2)	Indented FFAMUP plus patent family table FFAMUP for a specific country only AN, PI, LSUP for all updated members of a patent family LFAMUP for a specific country only	D IFAMUP D FFAMUP.WO D LFAMUP D LFAMUP.EP

**Family Display and Print Formats – Monthly SDI**

Format	Definition	Examples
FFAMED4 (1) IFAMED4 (1)	STD for new publications and/or LSUP for each updated family	D FFAMED4
FFAMUP4 (1) IFAMUP4 (1)	Indented FFAMED4 plus patent family table STD + LS for each updated family	D IFAMED4 D FFAMUP4
LFAMUP4 (1)	Indented FFAMUP4 plus patent family table AN, PI, LSUP for all updated members of a patent family	D IFAMED4 D LFAMUP4

(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 = AR, AT, AU, BE, BR, CA, CH, CN, DE, DK, EP, ES, FI, FR, GB, IL, IT, JP, KR, MX, NL, NO, RU, SE, TW, US, WO

**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 (Original Language)	ABOL	Y (2)	N
Abstract (Spanish)	ABES	Y (2)	N
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
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	FCNT	Y	N
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, 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 Date INPADOC GAZETTE	LSD	Y	N
Legal Status Free Format Text	LSFT	Y	N
Legal Status IPC	LSIC	Y	N
Legal Status Patent Assignee	LSPA	Y	N

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
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 Number, Basic/Kind Code	PNK.B	Y	Y
Patent Country	PC	Y	N
Patent Country, Basic	PC.B	Y	Y
Patent Information Publication Type	PIT	Y	N
Patent Kind Code	PK	Y	N
Patent Kind Code, Basic	PK.B	Y	Y
Patent Number	PN (PI)	Y (3)	Y
Patent Number, Basic	PN.B (PI.B)	Y	Y
Patent Number, Original	PNO	Y	N
Patent Status	STA	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, Basic	PD.B	Y	Y
Publication Date	PD.M	Y	N
Publication Year, Basic	PY.B	Y	Y
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 languages)	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.

**Sample Records****DISPLAY BRIEF (default)**

AN 65149450 INPAFAMDB EWF 201947 UWF 202022 EDF 20191121 UPFB 20200528

TI POSITION SENSING DEVICE

INS MUNDER GUNNAR, DE; TEICHMANN PETER, DE

PAS MELEXIS TECHNOLOGIES NV, BE

IPC1 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 -----+	
CN 110487304	A 20191122	CN 2019-10211238	A 20190320
CN 110487304	B 20200414		
EP 3569986	A1 20191120	EP 2018-172083	A 20180514
EP 3569986	B1 20200408		
US 20190346249	A1 20191114	US 2019-16411351	A 20190514

+----- Priorities -----+	
EP 2018-172083	A 20180514

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

**DISPLAY FAM**

## PATENT FAMILY INFORMATION

AN 65149450 INPAFAMDB

+-----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 MFAM.EP

AN 65149450 INPAFAMDB ED 20191121 EW 201947 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 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  
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

## INPAFAMDB

STA GRANTED  
 XPD 20380514  
 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  
 .....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  
 .....20191128  
 20191120 EP17P + REQUEST FOR EXAMINATION FILED  
 20181030  
 EXA Examination, Search Report  
 .....20191128  
 20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT  
 G01D0001/16  
 CLA Change, Removal or Addition of Classifications  
 .....20200123  
 20200115 EPRIC1 INFORMATION PROVIDED ON IPC CODE ASSIGNED BEFORE GRANT  
 G01D0005/20  
 CLA Change, Removal or Addition of Classifications  
 .....20200123  
 20200205 EPINTG + INTENTION TO GRANT ANNOUNCED  
 20200110  
 EXA Examination, Search Report  
 .....20200213  
 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  
 .....20200416  
 20200415 EPREG  
 ATREF + AT: REFERENCE TO AT NUMBER (EP PATENT ENTERS AUSTRIAN NATIONAL  
 PHASE)  
 AT 1254997 T  
 20200415  
 ENP Entry into National Phase  
 .....20200423  
 20200415 EPREG  
 CHEP + CH: EUROPEAN PATENT TAKES EFFECT AS A NATIONAL PATENT IN CH/LI  
 ENP Entry into National Phase  
 .....20200423  
 20200430 EPREG  
 DER096 + DE: DPMA PUBLICATION OF MENTIONED EP PATENT GRANT  
 DE 602018003535  
 PUB New or Withdrawn Publication  
 .....20200507  
 20200513 EPREG  
 IEFG4D + IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND  
 ENP Entry into National Phase  
 .....20200611  
 20200731 EPPGFP + ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE  
 TO EPO]  
 FR: 20200528  
 PAYMENT YEAR: 3  
 FEE Fee Payment

.....20200827

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

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**In North America**

CAS  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:  
Phone: 800-753-4227 (North America)  
614-447-3700 (worldwide)

Fax: 614-447-3751  
Email: [help@cas.org](mailto:help@cas.org)  
Internet: [www.cas.org](http://www.cas.org)

**In Europe**

FIZ Karlsruhe  
STN Europe  
P.O. Box 2465  
76012 Karlsruhe  
Germany

Phone: +49-7247-808-555  
Fax: +49-7247-808-259  
Email: [helpdesk@fiz-karlsruhe.de](mailto:helpdesk@fiz-karlsruhe.de)  
Internet: [www.stn-international.com](http://www.stn-international.com)

**In Japan**

JAIICI (Japan Association for  
International Chemical Information)  
STN Japan  
Nakai Building  
6-25-4 Honkomagome, Bunkyo-ku  
Tokyo 113-0021, Japan

Phone: +81-3-5978-3601 (Technical Service)  
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Fax: +81-3-5978-3600  
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