

INPADOC/Family and Legal Status



DESCRIPTION

The **INPADOC/Family and Legal Status** database is produced by the European Patent Office (EPO) and describes patents issued by 101 countries and patenting organizations. The International Patent Documentation Center (INPADOC) was formed in 1972 with the support of the World Intellectual Property Organization (WIPO) to provide a centralized bibliographic source for patent documents. INPADOC is now part of the European Patent Documentation System operated by the European Patent Office (EPO).

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Each INPADOC record covers the bibliographic data for a single patent, and legal status actions if applicable. When a single patent record is displayed, ProQuest Dialog gathers equivalent patents that share common priorities and builds the patent table. This patent table provides an overview of the family members and includes patent country, number, kind and date for each patent in the family, its corresponding local application number and date. While viewing the patent table, any member may be expanded to reveal its bibliographic data.

Bibliographic data consists of patent title, generally available in one or more languages, patent assignees and inventors, International Patent Classification (IPC) codes, Cooperative Patent Classification (CPC) codes (from 2013 forward), European Classification (ECLA) codes (through 2012), national classification codes such as Japanese FI terms and F terms, and US class codes. For European and PCT patents, designated states are also provided.

Legal status actions are provided for records from 50 countries and include the gazette date announcing the action, the legal status code, the equivalent text description, and notes which include the date on which the action was added to the database.

Subject Coverage

INPADOC/Family and Legal Status covers all areas of technology patented in the participating countries. Participating countries are listed in the Sources section.

Date Coverage

1850–present

Update Frequency

Weekly

Geographic Coverage

International

Document Types

Patents

Publisher

INPADOC is produced by the European Patent Office. Direct questions about database content to:

European Patent Office

Information Service

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Telephone: +(431) 52126 4051

Fax: +(431) 52126 3591

E-Mail: inpadoc@epo.org

TI

PROCESS FOR THE MANUFACTURE OF HALOGENATED PRECURSORS OF ALKENONES UNDER SPECIFIC CONDITIONS

INV, PA, CO
PBC, PN, PD

Braun, Max; PALSHERM STEFAN; CLAASSEN UTA (Inventors). SOLVAY; BRAUN MAX; PALSHERM STEFAN; CLAASSEN UTA (Assignees). **WO 2011003856 A1**. (Published 13 Jan 2011).

Highlighting: Off | Single | Multi

Patent

Citations

Family (73 members)

Bibliographic information | Legal status

Abstract (summary) [Translate](#)

English:

AB, TX

The invention relates to a process for preparing a halogenated precursor of an alkenone, which comprises reacting a carboxylic acid halide with a vinyl ether in a liquid reaction medium under turbulent conditions. The invention also relates to a process for preparing an alkenone, by eliminating hydrogen halide from said precursor to form the alkenone.

French:

AB, TX

L'invention concerne un procédé d'élaboration de précurseur halogéné d'alcénone, qui consiste à faire réagir un halogénure d'acide carboxylique avec un éther vinylique dans un milieu de réaction liquide sous des conditions turbulentes. L'invention concerne également un procédé d'élaboration d'alcénone, par élimination d'halogénure d'hydrogène de ce précurseur pour la formation d'alcénone.

²

Indexing (details) [Cite](#)

PA, CO

Assignee
SOLVAY
BE (Residence)
BRAUN MAX
DE (Residence)
PALSHERM STEFAN
DE (Residence)
CLAASSEN UTA
DE (Residence)

INV, AU

Inventor
Braun, Max
DE (Residence)
PALSHERM STEFAN
DE (Residence)
CLAASSEN UTA
DE (Residence)

OTI, TI

Alternate title
PROCÉDÉ POUR LA FABRICATION DE PRÉCURSEURS HALOGENÉS D'ALCÉNONES SOUS DES CONDITIONS SPÉCIFIQUES (French)

PBC, PN, PNA, KC, PD³

Publication number [WO 2011003856 A1](#) (13 January 2011)

APC, APN, APNA, APD⁴

Application number [WO 2010EP59549 A](#) (05 July 2010)

PPC, PRN, APNA, PRD

Priority number
[WO 2009EP58525 A](#) (06 July 2009)
[EP 2010150229 A](#) (07 January 2010)

¹ Sample document is current as of 24 July 2018. Some field content removed for brevity.

² Clicking on hyperlinked content searches the value in all patent databases.

³ Also PDA

⁴ Also APDA

	Related publication																																				
APNA		<table border="1"> <thead> <tr> <th>Publication type</th> <th>Publication number</th> <th>Publication date</th> <th>Application number</th> <th>Application date</th> </tr> </thead> <tbody> <tr> <td>National phase</td> <td>EP 10736998 A1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>National phase</td> <td>US 12999730</td> <td></td> <td>_____</td> <td></td> </tr> <tr> <td>National phase</td> <td>CA 2765487</td> <td></td> <td></td> <td>_____</td> </tr> <tr> <td>National phase</td> <td>EP 2010736998</td> <td></td> <td></td> <td></td> </tr> <tr> <td>National phase</td> <td>JP 2012518942</td> <td></td> <td></td> <td></td> </tr> <tr> <td>National phase</td> <td>AU 2010270359 A</td> <td>05 July 2010</td> <td></td> <td></td> </tr> </tbody> </table>	Publication type	Publication number	Publication date	Application number	Application date	National phase	EP 10736998 A1				National phase	US 12999730		_____		National phase	CA 2765487			_____	National phase	EP 2010736998				National phase	JP 2012518942				National phase	AU 2010270359 A	05 July 2010		
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APDA																																					
PNA																																					
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CPC ⁵	CPC classification	<p>C07C 45/65 (main); C07C 45/41</p> <p>Fewer details ▲</p> <table border="1"> <thead> <tr> <th>Class code</th> <th>Value</th> <th>Position</th> <th>Status</th> <th>Version</th> <th>Action</th> <th>Source</th> <th>Office</th> </tr> </thead> <tbody> <tr> <td>C07C 45/65</td> <td>I</td> <td>F</td> <td>B</td> <td>20130101</td> <td>20150827</td> <td>H</td> <td>EP</td> </tr> <tr> <td>C07C 45/41</td> <td>I</td> <td>L</td> <td>B</td> <td>20130101</td> <td>20150827</td> <td>H</td> <td>EP</td> </tr> </tbody> </table>	Class code	Value	Position	Status	Version	Action	Source	Office	C07C 45/65	I	F	B	20130101	20150827	H	EP	C07C 45/41	I	L	B	20130101	20150827	H	EP											
Class code	Value	Position	Status	Version	Action	Source	Office																														
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C07C 45/41	I	L	B	20130101	20150827	H	EP																														
IPC ⁵	IPC classification	<p>Version 8: C07C 45/45 (main); C07C 49/175; C07C 49/255</p> <p>More details ▼</p>																																			
LA	Publication language	English																																			
	Application language	English																																			
DS	Designated states	<p>EPO: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR</p> <p>National: AE AG AL AM AO AT AU AZ BA BB BG BH BR BW BY BZ CA CH CL CN CO CR CU CZ DE DK DM DO DZ EC EE EG ES FI GB GD GE GH GM GT HN HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LY MA MD ME MG MK MN MW MX MY MZ NA NG NI NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SK SL SM ST SV SY TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW</p> <p>Eurasian PO: AM AZ BY KG KZ MD RU TJ TM</p> <p>OAPI: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG</p> <p>ARIPO: BW GH GM KE LR LS MW MZ NA SD SL SZ TZ UG ZM ZW</p>																																			
NR, NCP	Document features	2 literature citations; 8 cited patents																																			
	Source attribution	Inpadoc Family And Legal Status, © Publisher specific																																			
AN	Accession number	WO2011003856A1																																			
	Document URL	https://dialog.proquest.com/professional/docview/990302311?accountid=137296																																			
FAV	First available	2012-04-09																																			
UD	Updates	2015-09-18 2017-01-06 2017-06-06																																			
PUB	Database	INPADOC / Family and Legal Status (1850 - current)																																			

⁵ Clicking on "More details" displays the attribute values assigned to each code; the attribute values are not searchable. This display feature is available for CPC and IPC classifications.

SEARCH
FIELD CODE SAMPLE DOCUMENT (CONT.)

Patent		Citations	Family (73 members)
Bibliographic information Legal status			
Gazette date	Code	Description	Notes/additional information
2016 Feb 23	BR ENP	ENTRY INTO THE NATIONAL PHASE IN: BR	Reference to publication: BR 112012000279 A2 Effective: 2012 Jan 05 Created: 2016 Feb 24
2012 Feb 14	WO REG/BR B01A	REFERENCE TO A NATIONAL CODE: PCT PUBLICATION - REQUEST FOR ENTRY INTO THE NATIONAL PHASE	Reference to publication: BR 112012000279 A2 Created: 2016 Jun 01
2012 Feb 03	KR ENP	ENTRY INTO THE NATIONAL PHASE IN: KR	Reference to publication: KR 20127003110 A Created: 2014 Nov 25

LD
 LD
 LCRE, LD
 LSC
 LS

Patent		Citations	Family (73 members)
Cited references			

PAR, REF

Cited patents
 This patent's list of citations includes the patents below (backwards citations).

Cited by applicant (5 patents)

Publication number	Publication date
US 5708175 A	1998 Jan 13
WO 2003066558 A2	2003 Aug 14
WO 2004108647 A2	2004 Dec 16
US 6428199 B1	2002 Aug 06
US 20060198771 A1	2006 Sep 07

CTPN
 CTDA

Cited by search report (3 patents)

Publication number	Publication date	Relevance category
WO 2009006217 A1	2009 Jan 08	X
EP 744400 A2	1996 Nov 27	D X
WO 2004108647 A2	2004 Dec 16	D A

RI

NPL, REF

Cited literature
 This patent's list of citations includes the literature references below (backwards citations).
 Tip: Use the **Look up citation** search form to find these documents, after selecting all databases.

Cited by search report (2 references)

- L-F TIETZE ET AL.: "Highly Efficient Synthesis of Alkyl 3,3-Dialkoxypropanates, Alkyl 4-Ethoxy-2-oxo-3-butenates, and Monoprotected Malonaldehydes", SYNTHESIS, vol. 4, 1988, pages 274 - 277, XP002587967(Relevance category: X)
- TIETZE L F ET AL: "SYNTHESIS OF ALKYL PROPANOATES BY HALOFORM REACTION OF A TRICHLORO KETONE", ORGANIC SYNTHESIS, WILEY AND SONS, NEW YORK, NY, US, vol. 69, 1 January 1990 (1990-01-01), pages 238 - 244, XP008037891, ISSN: 0078-6209(Relevance category: X)

CFID
FID

Patent Citations Family (73 members)
Family members (73) | Family legal status

Complete family

Complete family ID: 101352990
EPO simple family ID: 42236932
Includes: 73 patents; 14 countries

6

	Publication number	Kind	Publication date	Application number	Kind	Application date	Type
	CA 2729362	A1	20100107	CA 2729362	A	20090706	B
	WO 2010000871	A2	20100107	WO 2009EP58525	A	20090706	
	WO 2010000871	A3	20100304	WO 2009EP58525	A	20090706	
	CA 2765374	A1	20110113	CA 2765374	A	20100705	
7	WO 2011003854	A1	20110113	WO 2010EP59547	A	20100705	

Title	PROCESS FOR THE MANUFACTURE OF HALOGENATED PRECURSORS OF ALKENONES IN THE PRESENCE OF A SOLVENT						
Assignee	SOLVAY BE (Residence) BRAUN MAX DE (Residence) PALSHERM STEFAN DE (Residence) CLAASSEN UTA DE (Residence)						
Inventor	Braun, Max DE (Residence) PALSHERM STEFAN DE (Residence) CLAASSEN UTA DE (Residence)						
Priority number	WO 2009EP58525 A (06 July 2009) EP 2010150234 A (07 January 2010)						
CPC classification	C07C 45/455 (main); C07C 45/41; C07C 45/65						
IPC classification	Version 8: C07C 45/45 (main); C07C 49/175; C07C 49/255						
Publication language	English						
Document features	5 cited patents						
Abstract	English: The invention relates to a process for preparing a halogenated precursor of an alkenone, which comprises reacting a carboxylic acid halide with a vinyl ether in a liquid reaction medium comprising an alkenone or a halogenated precursor of the alkenone, and also relates to a process for preparing an alkenone, which comprises (a) reacting a carboxylic acid halide with a vinyl ether by introducing vinyl ether into a liquid reaction medium containing carboxylic acid halide to form a halogenated...						
	WO 2011003856	A1	20110113	WO 2010EP59549	A	20100705	
	WO 2011003860	A1	20110113	WO 2010EP59556	A	20100705	

⁶ Family members are displayed in a table (sorted by publication date).

⁷ To view the bibliographic details of a member, expand the table entry by clicking on the plus (+) sign preceding the publication number.

SAMPLE DOCUMENT (CONT.)

Patent	Citations	Family (73 members)
Family members (73) Family legal status		

Legal status - complete family

Patent number	Gazette date	Code	Description	Notes/additional information
CA 2765482 C	27 Mar 2018		Date of publication of document granted on or before said date	
BR 112012000280 B1	14 Feb 2018		Date of publication of document granted on or before said date	
BR 112012000280 B1	14 Feb 2018	BR B16A +	PATENT OR CERTIFICATE OF ADDITION OF INVENTION GRANTED	Created: 2018 Feb 16
BR 112012000280 B1	26 Dec 2017	BR B09A	DECISION: INTENTION TO GRANT	Created: 2017 Dec 28
CA 2765374 C	02 Jan 2018		Date of publication of document granted on or before said date	

SEARCH FIELDS

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab(alkenone AND halide) ab(alcénone NEAR/10 halogénure)	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	alkenone AND abany(yes)	Add: <i>AND ABANY(YES)</i> to a query to limit retrieval to records w with abstracts.
Accession number	AN	an(WO2011003856A1)	A unique document identification number assigned by the information provider.
All fields	ALL	all(carboxylic acid halide) all(vinyl AND ether)	Searches all fields. Use proximity and/or Boolean operators to narrow search results.
All fields + text		carboxylic AND halide	Using no field code searches all fields (same as the ALL field code in INPADOC).
Alternate title	OTI	oti(cellule indifferenciee)	Field code TI also searches the Alternate title. Non-English titles are considered alternate titles when the English title is also present.
Any number	PNUM	pnum(EP 2010150229) pnum(EP 2010150229 A) pnum(2010150229) pnum(WO EP59549)	Includes publication, application, priority application, and related application number. Enhanced/variant forms of the number are also searchable. For cited publication numbers, use CTPN.
Application country	APC	apc(ep) apc(w o)	Includes application, priority application, and related application country.
Application date	APD	apd(20100705) apd(2010)	Searches the main application date.
Application dates – all	APDA	apda(2009-07-06) apda(200907) apda(19980212)	Includes application, priority, and related application dates.

Field Name	Field Code	Example	Description and Notes
Application number	APN	apn(WO2010EP59549)	Searches the main application number.
Application numbers – all	APNA	apna(WO 2009EP58525) apna(WO1998EP784)	Includes application, priority application, and related application numbers.
Assignor	PAOR	paor(Daluge, Susan)	An assignor is a former assignee transferring rights to a new assignee (PARE). Assignor is only available for US patents and is displayed on the legal status tabs.
Author	AU	au(Braun, Max)	Author names in patent databases are inventors but can be searched using the AU field code.
Cited patent references	PAR	par(US6428199) par(2002-08-06) par(20020806)	Searches cited patent references, but not cited literature.
Cited non-patent literature	NPL	npl(TIETZE) npl("Synthesis of alkyl")	Searches the cited literature references.
Cited patent publication date	CTDA	ctda(20090108) ctda(200901)	The publication date of a cited patent in the document
Cited patent publication number	CTPN	ctpn(WO 2009006217 A1) ctpn(WO6217) ctpn(WO6217A1) ctpn(2009006217)	Includes enhanced/variant forms of the number.
Cited references – all	REF	ref(WO 2004108647) ref("ORGANIC SYNTHESIS")	Includes cited patent and cited literature references.
Classification – CPC ⁸	CPC	cpc(A61K 47/48676) cpc(A61K 47) cpc(A61K) cpc(A61) cpc(A)	The Cooperative Patent Classification (CPC) is available for searching from March 2013 forward.
Classification – ECLA	ECLA	ecla(C07C 45/45 F) ecla(C07C 45) ecla(C07C) ecla(C07) ecla(C)	European Class codes – discontinued by the EPO with the introduction of CPC.
Classification – IPC ⁹	IPC	ipc(G01S 15/58) ipc(G01S 15) ipc(G01S) ipc(G01) ipc(G)	International Patent Class codes. IPC Versions 1-7 are used prior to 2006. The Reformed IPC (IPCR/8) is used from 2006 forward.
Classification – JP FI-term ¹⁰	JPC	jpc(G01W 1/08 Z) jpc(G01W 1/08) jpc(G01W 1) jpc(G01W)	Japanese class codes are based on IPC Version 4.
Classification – JP F-term	JPF	jpf(5J083/AA02) jpf(5J083)	Japanese class codes. (See footnote for Classification – JP FI term.)
Classification – US	USCL	uscl(514/263.34) uscl(514)	National Class codes (United States)
Company information	CO	co(CLAASSEN UTA)	Includes the as-published patent assignee, probable assignee, new assignee and assignor.
Designated states	DS	ds(MX)	Applies to patents issued by the EPO and WIPO only.
Document type	DTYPE	dtype(patent)	The only document type in INPADOC is "patent".

⁸ The Cooperative Patent Classification (CPC) was introduced in January 2013. CPC is structurally like the International Patent Classification (IPC). CPC attributes are the same as the IPC attributes except for the Value attribute (I - Inventive, A - Additional).

⁹ Some records may contain IPCR/8 codes as well as earlier versions of IPC codes, indicating that an older patent has been reclassified. Each IPCR/8 classification code is also assigned a series of attributes. These include level (A - Advanced, C - Core), value (I - Inventive, N - Non-inventive), position (F - First, L - Later), status (B - Basic, R - Reclassified, V - Various, D - Deleted), version date, action date, source (H - Human, M - Machine, G - Generated), and assigning office.

¹⁰ The Japanese classification consists of two types: FI terms are based on the IPC version 4 classification and may contain additional alphanumeric extensions. F terms are part of a matrix classification system developed in Japan - the more general part of an F term is called a theme and is further qualified by one or more view point codes.

Field Name	Field Code	Example	Description and Notes
Expiration date	EXPD	expd(20140601) expd(201406) expd(2014)	The expiration date of the patent plus any expiration date due to the expiration of its term or for non-payment of fees. Can also be searched using field code LD.
Family ID – complete	CFID	cfid(103267482)	A complete family ID is a type of accession number assigned to any patents that share at least one priority application number. The ID is unique to INPADOC.
Family ID – simple (EPO) ¹¹	FID	fid(42236932)	A simple family ID is a type of accession number assigned to any patents that share one or more identical priority application numbers. The ID is unique to INPADOC.
First available	FAV	fav(2012-04-09) fav(20120409)	Indicates the first time a document was loaded in the database. It will not change however many times the record is subsequently reloaded.
From database ¹²	FDB	(prepar* NEAR/5 alkenone) AND fdb(1008363)	Useful in multi-database searches to isolate records from a single database. FDB cannot be searched on its own; specify at least one search term then AND it with FDB. See also PUB for identifying databases by name.
Inventor	INV	inv(Braun, Max)	Inventor names are also searchable using the AU field code.
Inventor country	ICO	ico(de)	Searches the 2-letter code of the inventor's country
Language	LA	la(english) la(spa)	The language in which the document was originally published.
Language of abstract	SL	sl(french)	The language of the abstract.
Legal status	LS	ls(20120106) ls("WO WWE") ls(entry PRE/3 national) ls("AU 2010270359")	Searches legal status dates, code, code description, and notes.
Legal status code	LSC	lsc("WO 121") lsc(EP NEAR/6 designated) lsc("WO ENP") LNK ld(201202)	Includes legal status code and code description. Use the LNK operator to retrieve related legal status data from a specific legal status entry.
Legal status date	LD	ld(201101) ld(2011-01-13)	Includes the Gazette date and any other legal status date.
Legal status creation date	LCRE	lcre(20160224)	The date a new legal action is added by the EPO
New assignee (Reassignment)	PARE	pare(Glaxo)	The name of the patent assignee who is receiving transfer rights from an assignor (PAOR). New assignee is only available for US patents.
Number of cited literature references	NR	nr(2) nr(>7)	The number of non-patent literature references. NR is a numeric field so using "greater than" (>) and "less than" (<) symbols, for example, is possible.
Number of cited patents	NCP	ncp(8) ncp(8 OR 9 OR 10)	NCP is a non-numeric field; using symbols such as "greater than" (>), "less than" (<) is not possible.
Patent assignee	PA	pa(SOLVAY)	PA includes the applicant or patent assignee names.
Patent assignee country	ACO	aco(be)	The mailing address country for the patent assignee consisting of the ISO-standard 2-letter country code.
Patent publication country	PBC	pbw(o)	Searches the 2-letter ISO standard country code for the main publication country.
Patent publication country and kind code – main	KC	kc(w o A1) kc(w o)	The kind code indicates the publication level of a patent document. KC searches the main publication country with kind code, or the country only.
Patent publication country and kind code – all	KCA	kca(US B*) kca(US)	The kind code indicates the publication level of a patent document. KCA searches the main or related publication country with kind code or the country only.
Patent publication date	PD	pd(20110113) pd(201101) pd(2011)	Searches the main publication date. Dates may be searched as a range. Also searchable via the Look Up Patent tool.

¹¹ Patents in an EPO simple family contain identical priorities, so a family record may contain multiple simple families.

¹² FDB searches the database ID. Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

Field Name	Field Code	Example	Description and Notes
		pd(2011-2012) pd(>2012)	
Patent publication dates – all	PDA	pda(20020312) pda(2002)	Includes main and related publication dates.
Patent publication number	PN	pn(WO 2011003856) pn(WO2011003856)	Searches only the main publication number.
Patent publication numbers – all	PNA	pna(JP 2948472) pna(JP2948472)	Includes main and related publication numbers.
Patent title	TI	ti(manufacture AND alkenones) ti(cellule indifferenciee)	Includes title and alternate title. The English title is generally preferred with the non-English titles listed as alternate titles.
Priority application country	PPC	ppc(ep)	The 2-letter ISO-standard country code associated with the priority application number.
Priority application date	PRD	prd(20100107) prd(2010)	Searches the 8-digit date assigned to a priority application number.
Priority application number	PRN	prn(EP 2010150229) prn(ep2010150229)	The priority application number is the number assigned to the original or first application.
Publication title	PUB	pub(lnpadoc)	The publication title in INPADOC is the database name.
Publication type	PT	pt("Government & Official Publications")	The only publication type in INPADOC is "Government & Official Publications".
Reassignment date	RAD	rad(19980615)	The Gazette and any other reassignment date. Reassignment information is only available for US patents.
Reassignment information	REA	rea(1998-06-15) rea(19980615) rea(Glaxo) rea(deluge susan) rea(009284/0892) rea(ASSIGNMENT)	Searches reassignment date (including Gazette date), new assignee, assignor, reel/frame, and assignment description. Reassignment information is only available for US patents.
Reel and frame	RR	rr(009284/0892)	Reel/frame data for US reassignments
Related publication type	DT	dt(PCT) dt(Continuation) dt(Division)	Searches type of related publication, such as PCT, Continuation in part, etc.
Relevance category	RI	ri(x)	A cited reference may include single letter codes that indicate how it is relevant to the patent. Relevance category only applies to EP and WO patents.
Updates	UD	ud(2014-02-19) ud(20140219)	The date(s) a record was updated
Update – latest revision	DUPD	dupd(20160721)	The latest date that the bibliographic (not the legal status) part of a record was updated by the EPO.

SEARCH TOOLS

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the

- **Basic Search,**
- **Advanced Search,**
- **Command Line** and
- **Look Up Patent**

search pages.

Look up patent

If you need help finding a patent, use the Look Up Patent page to enter any known patent details including: Number, Patent title, Assignee, Inventor, any free-text search terms, Publication date, and Application date.

Limit options

Limits are a quick way of searching certain common concepts. Limit check boxes are available for:

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- **Legal status included,**
- **Cited references included.**

The Advanced search page also contains a listing of choices for **Patent publication country, Language** and dates. **Date limiters** are available in which you can select single dates or ranges for date of **publication, priority, application,** and **update date.**

Look up lists

Browse the contents of certain fields by using Look Up lists. These are particularly useful for validating spellings or the presence of specific data. Terms found while browsing the look up list may be selected and automatically added to the Advanced Search boxes. Look Up lists are available in the Advanced Search drop-down fields for:

- **Inventor,**
- **Legal status code,**
- **Patent assignee,**
- **Publication kind code,**
- **Classifications (CPC, ECLA, IPC, JP F-Terms, JP FI-Terms, and US),**
- **Patent assignor, and**
- **New patent assignee (reassigned)**

Individual Look Up lists are also available for:

- **Patent assignee,**
- **Inventor,**
- **Classification (IPC),**
- **Publication kind code, and**
- **Legal status code**

Sort

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