



Europäisches  
Patentamt

European  
Patent Office

Office européen  
des brevets

# Global patent index

An advanced tool for searching  
the EPO's worldwide patent data

Advanced



**WORD**=((„three-dimensional“ or 3D or  
additive\*) \*2w (object\* or print\* or  
manufactur\*)) and **CPC**=(B29C67/0059  
or B22F3/008 or B22F3/115 or B22F9/08  
or B29C41/006 or C23C4/121 or  
B22F2999/00) andnot **CPC**=(G03F7/0037  
or B23P2700/12) and **DLE**=(20130829 or  
20130822 or 20130815 or 20130808)

# Everything you need to know before you start

## *What can Global patent index do for you?*

- › Fast, precise and detailed patent searches
- › Patent monitoring
- › Results customisable to your needs
- › Simple statistics

## *What is in Global patent index?*

- › More than 80 million patents from the EPO's worldwide patent data collection (over 90 patent granting authorities)
- › Bibliographic data and abstracts
- › Citation data
- › Legal status and patent family data
- › National and international patent classification data
- › Machine translation (Patent Translate) for titles and abstracts
- › Hyperlinks to the original patent documents in PDF format and to drawings (mosaics) in Espacenet

## *Global patent index is the right complementary tool to Espacenet if you need:*

- › Secure (https) access
- › Powerful, precise and detailed control over your search
- › A tool for submitting long and complex queries
- › Access to the data indexes so that you can verify formats and spelling variations of the search terms
- › A means of filtering the results at family or patent application level
- › A means of retrieving documents according to their kind code
- › A tool for visualising results statistically
- › Customisable display and export for your results
- › Exports in various formats

# Getting started

Register for your **two-month free trial** by going to

**[www.epo.org/gpi](http://www.epo.org/gpi)**

Once you have received your login name and password by email, click on the Open Global patent index button at [www.epo.org/gpi](http://www.epo.org/gpi), log in and select Global patent index from the list of databases.

You should now see the interface shown in the screenshot below.

*Criteria box (over 100 search criteria)*

*Query box (you can combine any search criteria, terms or queries, using standard operators or wildcards)*

The screenshot displays the EPO GPI search interface. On the left is a sidebar with a tree view of search criteria categories like 'EASY SEARCH', 'FIELD - in class', 'CLASS - in kind of numbers', 'CLASS - in kind of classification', 'PROCESS', 'ACCIDENT', 'CLASS', and 'FAMILY'. Below this is a 'Term' section with a list of terms and their counts. The main area is divided into three sections: a 'Query' box at the top containing a complex search query, a 'History' box in the middle showing a list of saved queries with columns for ID, Database, Result, Query, and Parsed query, and an 'Index' box at the bottom showing a list of terms and their counts.

ID	Database	Result	Query	Parsed query
100	GPI 2013	100	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
101	GPI 2013	101	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
102	GPI 2013	102	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
103	GPI 2013	103	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
104	GPI 2013	104	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
105	GPI 2013	105	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
106	GPI 2013	106	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
107	GPI 2013	107	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
108	GPI 2013	108	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
109	GPI 2013	109	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	
110	GPI 2013	110	WORD=((three-dimensional or 3D or additive)*2w (object or print or manufacture)) and CPC=(B29C67/0059 or B23F3/008 or B22F3/115 or B22F9/08 or B29C41/006 or C23C4/121 or B22F299/00) andnot CPC=(G03F7/0037 or B23P2700/12) and CL=(20130629 or 20130622 or 20130815 or 20130808)	

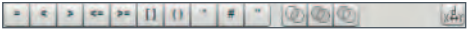
*History box (up to 100 queries automatically saved, showing the number of retrieved results)*



*Index box (for checking the spelling, variations and formats of searchable terms)*

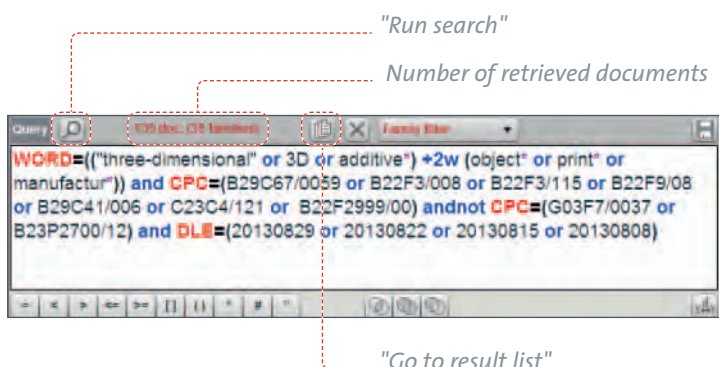
# Searching with Global patent index

To proceed, type your search query in the **Query box**, using any search criteria and terms you require and combining them with the required operators (Boolean, proximity, arithmetic) or wildcards.

To help you build your query, the following features are available:

- > the **operator toolbar**  (simply clicking on an icon will place it in your query)
- > the **Criteria box** to find the right search criteria (you can double-click or drag and drop the search criteria to place them in the Query box)
- > the **Index box** to check the spelling, variations and formats of search terms (you can double-click or drag and drop the search term to place it in the Query box)
- > the **History box** to check the correct formulation of your queries and combine any past queries (e.g. \$54 andnot \$57)
- > the option of **saving queries** on your own computer and reloading them, e.g. for regular monitoring.

Once you have entered your search query, click on . The number of retrieved documents then appears at the top of the Query box, and you can look at your results by clicking on .



# Looking at the results

**Result list box**  
(customisable)

**Query box**  
(refine your search)

**Document box** (customisable), showing

- > bibliographic data
- > representative image
- > IPC, CPC, FI, F-terms
- > citation data
- > simple and extended families
- > legal status

The screenshot displays the patent search results interface. The top left section contains a search query box with a complex query. Below it is a table of results with columns: Publication, Priority, Inventor, Applicant, and Title (EN). The top right section shows a document box for a specific patent, displaying bibliographic data, a representative image, and citation data. The bottom right section shows a preferences window for customizing the result list content.

You can **customise** how you **display or download** your results. Click on "Preferences", then on "Result list content". You can also customise the Document box in the same way.

Check boxes to add new columns to the result list:  
for **display**  
or  
for **download/print**.

The result list will appear showing the data you have selected.

If you only want to see one patent per family in the result list, use the "Family filter" when you search.

The screenshot shows the 'Result list content' preferences window. It contains a list of fields that can be selected for display or download/print. The 'Content for display' and 'Content for download/print' sections are visible.

The screenshot shows the 'Preferences' window, specifically the 'Result list content' tab. It displays the 'Content for display' and 'Content for download/print' sections, with checkboxes for various fields like 'Inventor', 'Applicant', 'Title (EN)', etc.

The screenshot shows the search results interface with the 'Family filter' applied. The search query is visible in the top left, and the results table shows one patent per family.



## Analysing and sharing your results

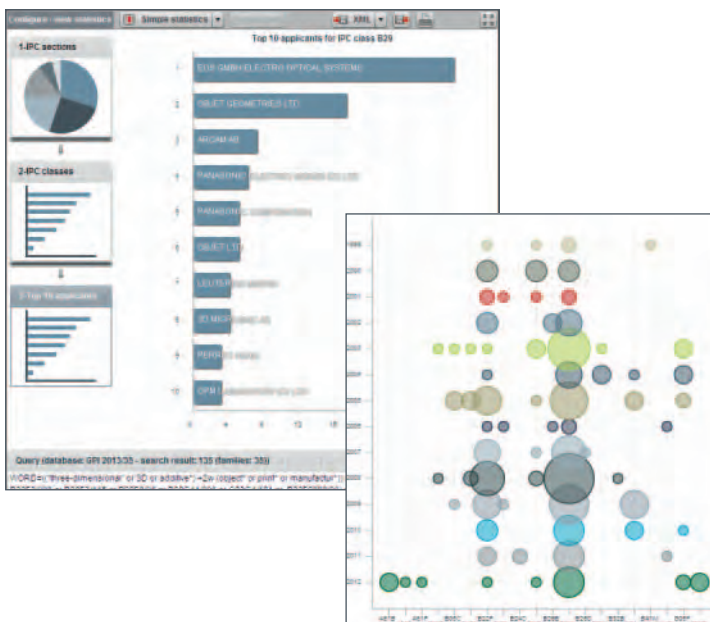
You can use the hyperlinks to Espacenet to read the original patent document and view the drawings.

Once you have analysed your results, you can share them with others, for example in HTML format with hyperlinks to the original patent document in Espacenet. You can also download them in PDF, XML or CSV format.

<div>  <div>           Europäisches Patentamt European Patent Office Office européen des brevets         </div> </div>				
#	Publication	Priority date	Applicant	
1	WO 2013017284 A2 20130207	20110804	ARBURG GMBH & CO KG KRAIBUEHLER HERBERT DUFFNER EBERHARD	
2	US 2013124151 A1 20130516	20120229 20110826	MECH RADOMIR CARR NATHAN A STAVA ONDREJ	
3	<del>EP 2581155 A1 20130417</del>	20100809 20110809	PANASONIC CORP OPM LAB CO LTD	
4	WO 2013113372 A1 20130808	20120131	HEWLETT PACKARD DEVELOPMENT CO VEGA AINSA RAMON BALDEZ LUIS ESCODA MARTIN IVAN JORDI DE PENA HEMPEL ALEJANDRO MANUEL	
5	JP 2013047003 A 20130307	20040921 20041130	3D SYSTEMS INC	

## Visualising your results

The statistics feature can, for example, display the top ten companies in your result list, or it can create a graph of the result using various parameters, to identify possible technological niches, for example.



Examples of search criteria

Search criteria	Description	Example
FIND	All data	FIND = wind and energy and F03D7/00
NUM	All kinds of patent numbers	NUM = "EP 00 102 3744" NUM = EP20000120374 NUM = 00120374
WORD	All indexed title/abstract words in all languages	WORD = argon and (reinigung or purifi*)
TIEN	All indexed title words in English	TIEN = nanocomposite*
ABEN	All indexed abstract words in English	ABEN = laser +1W beam
NAME	All inventors/applicants	NAME = "FROMONT GAELE" NAME = FROMONT and GAELE
PUC	Publication country code	PUC = CH or FR or DE or EP or GB or US or WO
PUN	Publication number	PUN = JP1922738C
PUK	Publication kind code	PUK = B1
PUD	Publication date	PUD = 2000* PUD [2000-01-01, 2000-12-31] PUD >= 01/01/2000 and PUD <= 31/12/2000
IPC	IPC (all editions)	IPC = "A01 B1/02" IPC = A01B1/02 IPC = A01B000102
CPC	Cooperative Patent Classification	CPC = Co8K3/00 or Co8L101/00
JPFT	F-terms	JPFT = 2G045/AA13 or 2G045/AA25
INV	Inventor's name	INV = "GONIDEC PATRICK" INV = RICHARD /2W RENSBURG
INVC	Inventor's country of residence	INVC = JP
APP	Applicant's name	APP = HISPANOSUIZA or "HISPANO SUIZA"
APPC	Applicant's country of residence	APPC = ES
CCAT	Citation category	CCAT = X or Y andnot (P or E or D or A or L or O or T)
CPOP	Patent cited in opposition phase	CPOP = WO8503893A1
DLE	Date of last exchange	DLE = "20090226" Use the DLE index to select the most recent date for patent monitoring in the current week
STA	Document status	STA = C STA = A Use in combination with DLE e.g. to select only the new publications added in the current week (C stands for "created", A for "amended")

Search operators

Operator	Description
<b>Boolean operators</b>	
AND, OR, NOT	By default (but customisable): OR between terms of a given criterion or between criteria; AND between queries. Left takes precedence over right.
<b>Proximity operators</b>	
+xW	word1 at maximum x word(s) from word2 in that order
/xW	word1 at maximum x word(s) from word2 in any order
<b>Arithmetic operators</b>	
=	equal to
<=	less than or equal to
>=	greater than or equal to
[ ]	date range
( )	brackets to force the order of operations
<b>Truncation</b> (left, middle and right truncation allowed)	
*	stands for zero or more characters
#	stands for one mandatory character
<b>String search</b>	
" "	search for exact expression

Additional resources

Online manual: [www.epo.org/gpi](http://www.epo.org/gpi)

Free online classroom sessions: [www.epo.org/gpi](http://www.epo.org/gpi)

Helpdesk: [epal@epo.org](mailto:epal@epo.org)

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