

# Introduction of Google Patents

- ❖ Google Patents includes **over 87 million patent publications** from **17 patent offices** around the world:
  - United States, Europe**, Japan, China, South Korea, **WIPO**, Russia, Germany, The United Kingdom, Canada, France, Spain, Belgium, Denmark, Finland, Luxembourg, The Netherlands.
- ❖ Google Patents offers basic and advanced patent search interfaces;
  - The **simple search** only provides one field to enter any search key word
  - **Advanced search** options are : patent number, title, inventor, original assignee, U.S. classification, international classification, patent type/status, date.
- ❖ **Non-patent literature**

To make prior art searching easier, Google Patents includes a copy of the technical documents and books indexed in Google Scholar and Google Books

# Google patent searching;

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[https://support.google.com/faqs/answer/7049475?hl=en&ref\\_topic=6390989](https://support.google.com/faqs/answer/7049475?hl=en&ref_topic=6390989)

Searching by keywords and classifications

Searching with boolean logic, proximity, in title/abstract/claims, and wildcards

Searching by metadata (inventor, assignee, date, etc)

Searching by patent or application number

# Advanced google patents search;

**Google** **Advanced Patent Search** [About Google](#)

Find results with **all** of the words  10 results

with the **exact phrase**

with **at least one** of the words

without the words

**Patent number** Return patents with the patent number

**Title** Return patents with the patent title

**Inventor** Return patents with the inventor name   
First name, last name, or both

**Original Assignee** Return patents with the original assignee name   
First name, last name, or both

**Current U.S. Classification** Return patents with the current U.S. classification   
Comma separated list of one or more classification codes.

**International Classification** Return patents with the international classification   
Comma separated list of one or more classification codes.

**Cooperative Classification** Return patents with the cooperative classification   
Comma separated list of one or more classification codes.

**Patent type/status** Return patents with type/status

**Date**  Return patents anytime  
 Return patents between  and   
e.g. 1999 and 2000, or Jan 1999 and Dec 2000

**Restrict date by**  Restrict by filing date  Restrict by issue date

[https://www.google.com/advanced\\_patent\\_search](https://www.google.com/advanced_patent_search)

# Introduction of Patentscope

The screenshot shows the WIPO PATENTSCOPE search interface. At the top left is the WIPO logo and the text "WORLD INTELLECTUAL PROPERTY ORGANIZATION". To the right is the "PATENTSCOPE" title and a list of languages: Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية. Below this is a navigation bar with links for Search, Browse, Translate, Options, News, Login, and Help. The main content area is titled "Simple Search" and contains a search box with a dropdown menu set to "Front Page" and a "Search" button. Below the search box are two informational boxes: one for "New Chemical Structure Search functionality" and another for "PCT Publication 52/2016 (2016/12/29) is now available. The next publication date is scheduled as follows: Gazette number 01/2017 (2017/01/05). More".

<https://patentscope.wipo.int/search/en/search.jsf>

# What is the PATENTSCOPE search system?

- Is the FREE OF CHARGE patent search system
- Provided by the World Intellectual Property Organization (WIPO)
- PATENTSCOPE gives you access to millions of patent documents;
  - International Patent Cooperation Treaty (PCT) applications in full text
  - patent documents of participating national and regional patent offices
- Data coverage: is about 70,440,000

[https://patentscope.wipo.int/search/en/help/data\\_coverage.jsf](https://patentscope.wipo.int/search/en/help/data_coverage.jsf)

Gregory	17.05.1999 - 01.05.2018	17.05.1999 - 01.05.2018	1921	Total records: 1483 Spanish: 1483	3,077
Viet Nam	07.07.1984 - 26.07.2017	26.10.1990 - 26.07.2017		Total records: 7145	59,935
African Regional Intellectual Property Organization (ARIPO)	04.07.1985 - 29.07.2008	04.07.1985 - 29.07.2008	1676	Total records: 1671 English: 1671	1,868
European Patent Office (EPO)	21.12.1978 - 16.08.2018	21.12.1978 - 16.08.2018		Total records: 2568904 English: 1870944 French: 165059 German: 532901	3,346,910
<b>Totals</b>					<b>PCT: 3,358,543 Offices: 67,077,616 Overall: 70,440,000</b>

# Search interface

The search interface is available in 9 languages.

The screenshot shows the WIPO PATENTSCOPE search interface. At the top left is the WIPO logo, and to its right is the text "PATENTSCOPE" and "Search International and National Patent Collections". In the top right corner, there are links for "Mobile" and nine languages: "Deutsch", "Español", "Français", "日本語", "한국어", "Português", "Русский", "中文", and "العربية". Below this is a dark blue navigation bar with the text "WORLD INTELLECTUAL PROPERTY ORGANIZATION" and buttons for "Search", "Browse", "Translate", "Options", "News", "Login", and "Help". The "Search" button is highlighted, and a dropdown menu is open, listing "Simple", "Advanced Search", "Field Combination", "Cross Lingual Expansion", and "Chemical compounds (login required)". Below the navigation bar is a search input field with a "Front Page" dropdown on the left and a "Search" button on the right. To the right of the input field, it says "Office: All". Below the search area is a light blue banner with an information icon and the text: "PCT Publication 34/2018 (2018/08/23) is now available. The next publication date is scheduled as follows: Gazette number 35/2018 (2018/08/30). [More](#)".

## Simple Search



Using PATENTSCOPE you can search 71 million patent documents including 3.4 million published international patent applications (PCT). Detailed coverage information can be found here (->)

Front Page

Front Page

Any Field

Full Text

English Text

ID/Number

Int. Classification(IPC)

Names

Dates

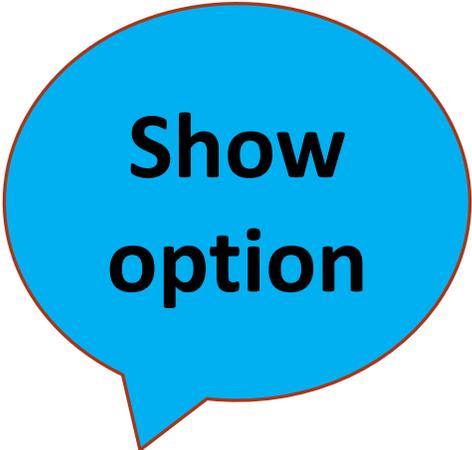
(2018/08/23) is now available. The next publication date is scheduled as follows: Gazette number 35/2018 (2018/08/30). [More](#)

# Simple search;

There are 8 predefined search fields available;

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1. **Front page:** the search criteria you entered in this field will be searched in the front page of the document
2. **Any field:** the search criteria you entered in this field will be searched in any fields of the document
3. **Full-text:** enter your query in this field if you are interested in full-text
4. **English text:** the search criteria you entered in this field will be searched in texts in English.
5. **ID/Number:** enter publication number, filing number, etc.
6. **IPC:** enter any International Patent Classification code
7. **Names:** enter your search in this field to look for the name of an inventor, an applicant, a company, etc.
8. **Dates:** enter any date in this field such as filing date, publication date, etc.



**Show  
option**

Options

- Query
- Result
- Interface
- Office
- Translate

Office: All

- All
- PCT
- Africa
  - African Regional Intellectual Property Organization (ARIPO)  Egypt  Kenya  Morocco  Tunisia  South Africa
- Americas
  - United States of America  Canada
  - LATIPAT
    - Argentina  Brazil  Chile  Colombia  Costa Rica  Cuba  Dominican Rep.
    - Ecuador  El Salvador  Guatemala  Honduras  Mexico  Nicaragua  Panama
    - Peru  Uruguay
- Asia-Europe
  - Australia  Bahrain  China  Denmark
  - Estonia  Eurasian Patent Office  European Patent Office (EPO)  France
  - Germany  Germany(DDR data)  Israel  Japan
  - Jordan  Portugal  Russian Federation  Russian Federation(USSR data)
  - Saudi Arabia  United Arab Emirates  Spain  Republic of Korea
  - India  United Kingdom  Georgia
- Asean
  - Singapore  Viet Nam  Indonesia  Cambodia  Malaysia  Brunei Darussalam
  - Philippines  Thailand

# Advanced Search

<https://patentscope.wipo.int/search/en/advancedSearch.jsf>



The screenshot displays the WIPO PATENTSCOPE website interface. At the top left is the WIPO logo, and to its right is the text "PATENTSCOPE" and "Search International and National Patent Collections". A language selection menu is visible in the top right corner, listing various languages including Mobile, Deutsch, Español, Français, 日本語, 한국어, Português, Русский, 中文, and العربية. Below the header is a navigation bar with tabs for Search, Browse, Translate, Options, News, Login, and Help. A dropdown menu is open under the Search tab, with "Advanced Search" highlighted by a red oval. Other options in the dropdown include Simple, Field Combination, Cross Lingual Expansion, and Chemical compounds (login required). Below the dropdown is a search input field containing the text "laptop" and a "Search" button. To the right of the search field is a "Front Page" dropdown menu. At the bottom of the page, there is a notification banner stating: "PCT Publication 34/2018 (2018/08/23) is now available. The next publication date is scheduled as follows: Gazette number 35/2018 (2018/08/30). [More](#)".

# Advanced search...

For more information **about operators** available in the PATENTSCOPE search service, take a look at: <https://patentscope.wipo.int/search/en/help/querySyntaxHelp.jsf>

## Wildcard Searches

It supports single and multiple character wildcard searches within single terms. To perform a single character wildcard search use the "?" symbol. To perform a multiple character wildcard search use the "\*" symbol.

The single character wildcard search looks for terms that match that with the single character replaced. For example, to search for "text" or "test" you can use the search:

```
te?t
```

Multiple character wildcard searches looks for 0 or more characters. For example, to search for electric, electrical or electricity, you can use the search:

```
electric*
```

You can also use the wildcard searches in the middle of a term.

```
elec*ty
```

Note:All the wildcard queries are executed against non-stemmed fields: **EN\_TI\_S/mot\*** is converted to **EN\_TI/mot\***

Note:PhraseQuery keeps the stemming option if no wildcards are found: **EN\_TI/"electric motor"** is stemmed while **EN\_TI\_S/"electric mot\*"** is converted to **EN\_TI/"electric mot\*"**

Note:use ALLNUM fields if you do queries using IDs like PCT/US/2009/0\*, otherwise using the default field EN\_ALL then query should be formulated like: (PCT US/2009/0\*)

```
ALLNUMM:PCT/US/2009/0*
```

Note:You cannot use a \* or ? symbol as the first character of a search.

## Proximity Searches

It supports finding words are a within a specific distance away. To do a proximity search use the tilde, "~", symbol at the end of a Phrase. For example to search for a "electric" and "car" within 10 words of each other in a document use the search:

```
"electric car"~10
```

# Advanced search...

More information **about field codes** can be found at:

<https://patentscope.wipo.int/search/en/help/fieldsHelp.jsf>

WIPO PATENTSCOPE  
Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News Login Help

### National Collections - Fields Definition

English French German Spanish Japanese Russian Vietnamese Fields Diagram

Symbol ↕	Name ↕	Help	Type ↕	Stemmed ↕	Parent
ALLNAMES	All Names	<ul style="list-style-type: none"><li>Se busca el valor que acaba de introducir en los nombres de las personas inventoras, solicitantes o mandatarias ↙ García OR Rubio</li></ul>	text		[FP, ALL]
ALLNUM	All Numbers and IDs	<ul style="list-style-type: none"><li>The entered value is searched against the application number, the WO publication number, the national publication number and the priority number. ↙ 98/12*, 98/12, 1998/12*, 1998/000012</li><li>↙ US200500*</li><li>↙ 23412 CU</li><li>↙ 2007 8603 MX</li></ul>	string		[FP, *_FP, ALL, *_ALL]
AAD	Applicant Address	<ul style="list-style-type: none"><li>The entered value is searched against the address of the applicant. It can be the street or the city/town ↙ Berlin</li></ul>	text		[PAA]
AADC	Applicant Address Country	<ul style="list-style-type: none"><li>The entered value is searched against the country of the applicant. To be used with the 2 letter country code ↙ US</li></ul>	string		[PAA]

# Field combination search;

The screenshot displays the WIPO PATENTSCOPE search interface. At the top, the WIPO logo and 'PATENTSCOPE' text are visible, along with a language selection menu. Below this is a navigation bar with 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. The 'Search' dropdown menu is open, and 'Field Combination' is highlighted with a red circle. The main search area contains a table of search criteria with dropdown menus for each field and a search button.

AND	Field	=	Input	?
AND	Application Number	=	<input type="text"/>	?
AND	Publication Date	=	<input type="text"/>	?
AND	English Title	=	<input type="text"/>	?
AND	English Abstract	=	<input type="text"/>	?
AND	Applicant Name	=	<input type="text"/>	?
AND	International Class	=	<input type="text"/>	?
AND	Inventor Name	=	<input type="text"/>	?
AND	Office Code	=	<input type="text"/>	?
AND	English Description	=	<input type="text"/>	?
AND	English Claims	=	<input type="text"/>	?
AND	Licensing availability	=	<input type="checkbox"/>	
AND	Inventor Name	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No	

# Field combination search;

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To use the Field Combination interface:

- Select the **field/s of interest** using the arrow of the drop-down menu
- Use the **AND/OR boxes** to add or include fields
- Select the **language** in which you would like to perform the search: 11 languages are available
- Select the **collection/s** you are interested in using the *Specify* button

# Cross Lingual Expansion search ;

The screenshot displays the WIPO PATENTSCOPE search interface. At the top left is the WIPO logo and the text 'WORLD INTELLECTUAL PROPERTY ORGANIZATION'. To the right, it says 'PATENTSCOPE' and 'Search International and National Patent Collections'. A navigation bar includes 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. A dropdown menu is open under 'Search', with 'Cross Lingual Expansion' highlighted by a red circle. Other options in the menu include 'Simple', 'Advanced Search', 'Field Combination', and 'Chemical compounds (login required)'. Below the menu is a search input field containing the word 'compose'. Further down, there are dropdown menus for 'Query Language: English' and 'Expansion Mode: Automatic'. A precision-recall slider is set to 0, and a 'Submit Query' button is at the bottom left.

# Cross Lingual Expansion search ;

-Enter one keyword in English,

-The tool first finds synonymies of your query and then translates everything into 13 languages

The screenshot shows the WIPO PATENTSCOPE search results page. The header includes the WIPO logo and the text 'PATENTSCOPE' and 'Search International and National Patent Collections'. A navigation bar contains links for 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. The main content area displays the search criteria: 'Results 1-10 of 123,066 for Criteria:FP:(("inflammation" OR "inflammation") OR EN\_AB:(("inflammation" OR "inflammation")) OR (DA\_TI:(("inflammation") OR DA\_AB:(("inflammation")) OR (DE\_TI:(("Entzündung" OR "Entzündungen Verwendungvon") OR DE\_AB:(("Entzündung" OR "Entzündungen Verwendungvon")) OR (ES\_TI:(("inflamación" OR "tratamiento antiinflamatorio") OR ES\_AB:(("inflamación" OR "tratamiento antiinflamatorio")) OR (FR\_TI:(("inflammation" OR "inflammation") OR FR\_AB:(("inflammation" OR "inflammation")) OR (IT\_TI:(("infiammazioni") OR IT\_AB:(("infiammazioni")) OR (JA\_TI:(("炎症" OR "炎症と関連した") OR JA\_AB:(("炎症" OR "炎症と関連した")) OR (KO\_TI:(("염증") OR KO\_AB:(("염증")) OR (NL\_TI:(("antibloedplaatjesaggreger" OR "ontsteking" OR "vanontsteking" OR "onstekingen") OR NL\_AB:(("antibloedplaatjesaggreger" OR "ontsteking" OR "vanontsteking" OR "onstekingen")) OR (PL\_TI:(("zapalenie") OR PL\_AB:(("zapalenie")) OR (PT\_TI:(("inflamação") OR PT\_AB:(("inflamação")) OR (RU\_TI:(("воспаления" OR "воспалительных") OR RU\_AB:(("воспаления" OR "воспалительных")) OR (SV\_TI:(("inflammation" OR "inflammationshärदार") OR SV\_AB:(("inflammation" OR "inflammationshärदार")) OR (ZH\_TI:(("炎症" OR "发炎") OR ZH\_AB:(("炎症" OR "发炎")))) Office(s):all Language:EN Stemming: true'. Below the criteria is a pagination bar with 'prev', '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'next', 'Page: 1 / 12307', and 'Go >'. At the bottom, there is a 'Refine Search' section with the same criteria, a 'Search' button, and 'RSS' and 'Instant Help' links.

# Menu;

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## WIPO TRANSLATE

This translation tool is available for the translation of patent texts. Developed and trained internally on bilingual patent corpuses, it incorporates neural machine translation technology. It takes into account 32 technical domains from the IPC

## WIPO PEARL

WIPO's multilingual terminology portal gives access to scientific and technical terms derived from patent documents. It helps promote accurate and consistent use of terms across different languages, and makes it easier to search and share scientific and technical knowledge.

### Key features

- ❓ Developed by WIPO language experts and terminologists.
- ❓ 10 languages – Arabic, Chinese, English, French, German, Japanese, Korean, Portuguese, Russian and Spanish.
- ❓ All the content has been validated and given a term reliability score.
- ❓ If there is no equivalent in the target language in the database, WIPO's machine translation engine may offer you a translation proposal.
- ❓ Integrated with PATENTSCOPE so you can search the entire PATENTSCOPE corpus for terms and their equivalents in other languages.

# Menu;

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## ➤ LOGIN

Once logged into their PATENTSCOPE accounts, users can:

- Save their preferred settings, such as the search interface by default, the length of the search result list, etc.
- Save their queries
- Download the result lists up to 10,000 records

# Browse menu;

The screenshot displays the WIPO PATENTSCOPE website interface. At the top left is the WIPO logo, and to its right is the text 'PATENTSCOPE' and 'Search International and National Patent Collections'. A language selection bar at the top right includes 'Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية'. A navigation bar below the header contains 'Search', 'Browse', 'Translate', 'Options', 'News', 'Login', and 'Help'. The 'Browse' menu is open, showing a list of options: 'Browse by Week (PCT)', 'Gazette Archive', 'Download National Phase Entries', 'Sequence listing', 'IPC Green Inventory', and 'Portal to patent registers'. The 'Browse by Week (PCT)' and 'Sequence listing' items are circled in red. On the left side, there is a search input field with the text 'Input search term' and a 'Query' button. A breadcrumb trail reads 'Home > IP Services'. A '[Help]' link is visible on the right side of the page.

# Browse menu;

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## ➤ **BROWSE BY WEEK (PCT)**

WIPO publishes new PCT applications every week on Thursday.

Selecting *Browse by week* gives access to a list of PCT applications by publication week.

## ➤ **SEQUENCE LISTING**

Selecting *Browse: Sequence Listing* gives access to the lists of **nucleotide and or amino acid** sequence listings contained in published PCT applications