

THE PATENTSCOPE USER'S GUIDE

Updated October
2021

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INTRODUCTION

WHAT IS THE PATENTSCOPE SEARCH SYSTEM?

You're a patent attorney and need to find a specific patent document...

You're an inventor and want to see whether your latest invention has already been patented...

You're a researcher and are interested in seeing which technologies have been developed in your field...

You're an entrepreneur and want to find out who your competitors are and what they're up to...

The PATENTSCOPE search system just might be the right tool for you!

The PATENTSCOPE search system is the FREE OF CHARGE patent search system provided by the World Intellectual Property Organization (WIPO) that allows you to access millions of patent documents.

This User's Guide will help you get to know the PATENTSCOPE search system and learn how to get the most out of its powerful search and analysis features.

ABOUT THIS GUIDE

The PATENTSCOPE search system is constantly improving to provide new features and new content to its users. In fact, from the time the writing of this guide started to the time it was completed, a few things have changed on the interface. To keep up to date on the latest developments and changes to the PATENTSCOPE search system, look at: <https://www.wipo.int/patentscope/en/news/>

To help readability, a few conventions were used in this guide:

- [Web Sites urls](#) and [email addresses](#) are in blue in Courier; and
- to refer to *something that you see on the interface* italics was used;



- tips are indicated with

Note: Screenshots in this guide reflect what the interface was like in October 2021; a few significant changes took place during the writing of this guide.

WHAT IS THE DATA COVERAGE?

PATENTSCOPE gives you access to millions of patent documents, namely:

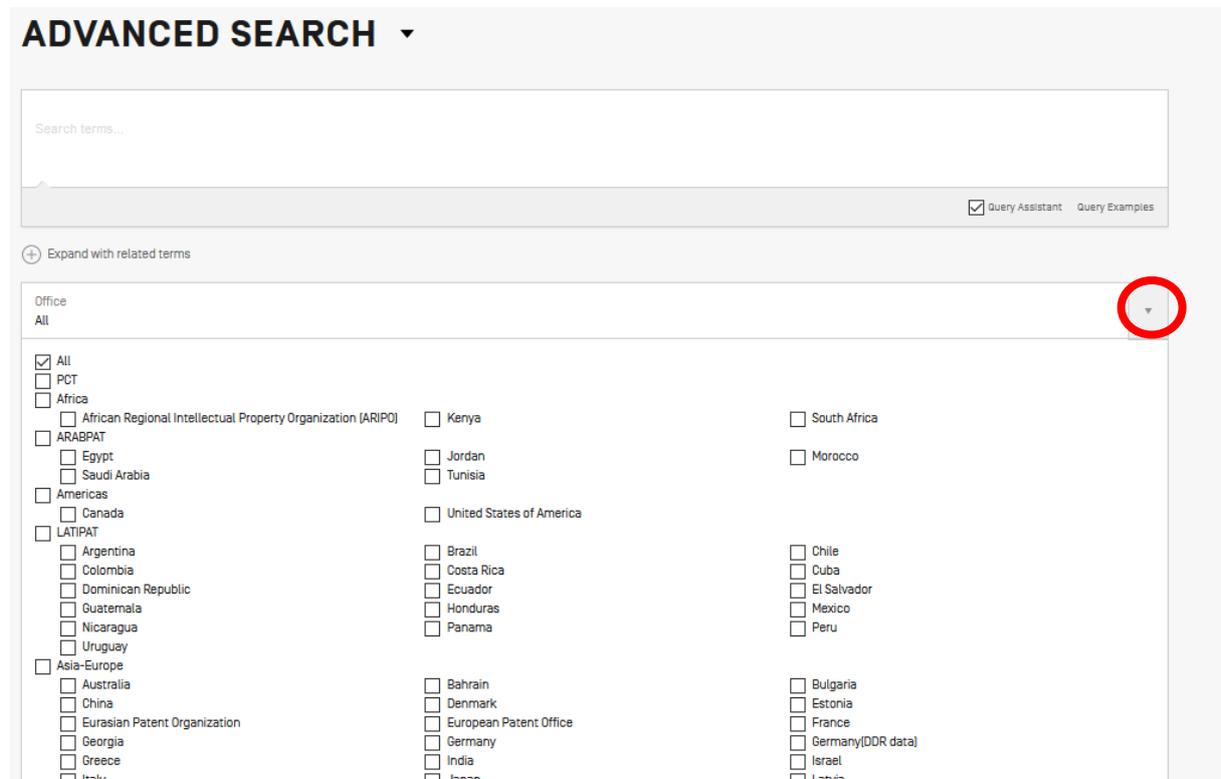
- International Patent Applications filed under the PCT (Patent Cooperation Treaty)
- Regional and national patent collections from numerous participating countries and organizations, including:

- | | |
|---|------------------------------------|
| → Argentina | → Israel |
| → ARIPO (African Regional Intellectual Property Organization) | → Italy |
| → Australia | → Japan |
| → Bahrain | → Jordan |
| → Brazil | → Kenya |
| → Brunei Darussalam | → Lao People's Democratic Republic |
| → Bulgaria | → Latvia |
| → Cambodia | → Lithuania |
| → Canada | → Malaysia |
| → Chile | → Mexico |
| → China | → Morocco |
| → Colombia | → Netherlands |
| → Costa Rica | → New Zealand |
| → Cuba | → Nicaragua |
| → Czech Republic | → Panama |
| → Czechoslovakia | → Peru |
| → Denmark | → Philippines |
| → Dominican Republic | → Portugal |
| → EAPO (Eurasian Patent Organization) | → Republic of Korea |
| → Ecuador | → Romania |
| → Egypt | → Russian Federation |
| → El Salvador | → Russian Federation (USSR data) |
| → EPO (European Patent Office) | → Saudi Arabia |
| → Estonia | → Singapore |
| → Finland | → Slovakia |
| → France | → South Africa |
| → Georgia | → Spain |
| → Germany | → Sweden |
| → Germany (DDR data) | → Thailand |
| → Greece | → Tunisia |
| → Guatemala | → United Arab Emirates |
| → Honduras | → United Kingdom |
| → India | → United States of America |
| → Indonesia | → Uruguay |
| | → Vietnam |

Those countries share their national/regional data with WIPO; they are not the PCT applications entering into national phase into those countries. National phase information is available here:

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

Please check our website, new collections become available on a regular basis. The collections available are listed in the *Advanced Search/Field Combination* page; click the arrow  sign next to *Offices* to see the list.



ADVANCED SEARCH ▾

Search terms...

Query Assistant [Query Examples](#)

+ Expand with related terms

Office
All ▾

- All
- PCT
- Africa
 - African Regional Intellectual Property Organization (ARIPO)
- ARABPAT
 - Egypt
 - Saudi Arabia
- Americas
 - Canada
- LATIPAT
 - Argentina
 - Colombia
 - Dominican Republic
 - Guatemala
 - Nicaragua
 - Uruguay
- Asia-Europe
 - Australia
 - China
 - Eurasian Patent Organization
 - Georgia
 - Greece
 - Italy
- Kenya
- Jordan
- Tunisia
- United States of America
- Brazil
- Costa Rica
- Ecuador
- Honduras
- Panama
- Bahrain
- Denmark
- European Patent Office
- Germany
- India
- Japan
- South Africa
- Morocco
- Chile
- Cuba
- El Salvador
- Mexico
- Peru
- Bulgaria
- Estonia
- France
- Germany(DDR data)
- Israel
- Latvia

UP-TO-DATE & DETAILED DATA COVERAGE

For the most up-to-date information on data coverage, please go to the *Help* menu, *PATENTSCOPE Help, Data coverage national collections* at:

https://patentscope.wipo.int/search/en/help/data_coverage.jsf

NON-PATENT LITERATURE

The integration of non-patent literature (NPL) in PATENTSCOPE has now started with the open-access content from Nature and Wikipedia (only technology and scientific content filtered using an in-house algorithm).

A new button to include the NPL in the result list is now available in:

1. The advanced search and the Field Combination interfaces

ADVANCED SEARCH ▾

IC: ("A61K31/551")

Query Assistant Query Examples

Expand with related terms

Offices
All ▾

Languages
All ▾

Stemming

Single Family Member

Include NPL

FIELD COMBINATION ▾

Operator	Field	Value	
AND	Front Page	Value	?
AND	WIPO Publication Number	Value	?
AND	Application Number	Value	?
AND	Publication Date	Value	?
AND	Abstract	Value	?
AND	Abstract	Is Empty: N/A	▾
AND	Licensing availability		<input type="checkbox"/>

Add another search field Reset search fields

Offices
All ▾

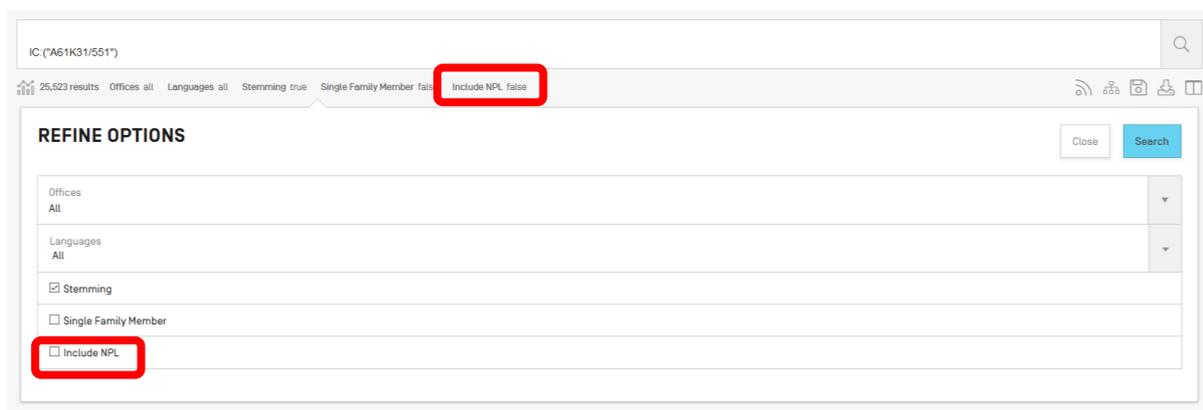
Languages
All ▾

Stemming

Single Family Member

Include NPL

2. The result list: the *refine options* is available by clicking on *Include NPL*



All the PATENTSCOPE search features are available to perform searches in the NPL in PATENTSCOPE.

Useful fields to search the NPL content:

Field	Information retrieved
AU: Hyojin Kim	author, Hyojin Kim for example, of the article
CTR:ZZ	only NPL information search criteria.
DP:(30.12.2020)	publication date, December 30 th , 2020 for example
DTY:NPL	all NPL the records
EN_AB: (electric bicycle)	information in the abstract of the article, electric bicycle for example
EN_DE: (electric bicycle)	information in the article, electric bicycle for example
EN_TI: (electric bicycle)	information in the title of article, electric bicycle for example
IC: G06F	code IPC, G06F for example (assigned by an AI procedure)
JO: (British Journal of Cancer)	journal of the article, for example, the British Journal of Cancer
PN: 10.1038/s41416-019-0673-5	publication number of the article, for example: 10.1038/s41416-019-0673-5
PU: Nature	publisher or source of NPL, for example Nature

In the *Analysis* in the result list, NPL information is available in the Kind code column

Offices	Applicants	Inventors	IPC code	Publication Dates	Kind code
China	UNIVERSITY OF JINAN	WEI QIN	G01N	1986	A
United States of America	SHANDONG UNIVERSITY OF TECH	WU DAN	C12Q	1987	B
PCT	ABBOTT POINT OF CARE INC	LI YUEYUN	B82Y	1988	B2
Republic of Korea	SOUTHEAST UNIVERSITY	DONG YUNHUI	C07K	1989	B1
European Patent Office	LIFESCAN INC	MA HONGMIN	B01L	1990	A1
Japan	YANGZHOU UNIVERSITY	CAMPBELL JOHN LEWIS EMERSON	C12M	1991	C
Canada	CILAG GMBH INTERNATIONAL	MILLER CARY JAMES	C12N	1992	C1
India	FUJIAN NORMAL UNIVERSITY	魏琴	C09J	1993	NPL
Australia	CAMPBELL JOHN LEWIS EMERSON	CAO WEI	C01G	1994	U
Russian Federation	CHONGQING MEDICAL UNIVERSITY	LIU QING	G02B	1995	C2
Germany	NINGBO UNIVERSITY	SUN XIA	A61K	1996	A2
Malaysia	UNIVERSITY OF UTAH RESEARCH FOUNDATION	ZHANG YONG	C01B	1997	A4
Singapore	JIANGNAN UNIVERSITY	FAN DAWEI	C08G	1998	B5
Israel	MILLER CARY JAMES	WANG PING	H01L	1999	T2
Italy	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY	WANG XIANGYOU	B01J	2000	T3
Romania		吴丹	C09K	2001	U1
Germany(DOR data)	AMITY UNIVERSITY	马洪敏	C12R	2002	B

If selected, the result list will include NPL information ranked by relevance together with the patent documents that match the search performed.

An example of an NPL document:

1. NPL313168373 - OBESITY, LOW LEVELS OF PHYSICAL ACTIVITY AND SMOKING PRESENT OPPORTUNITIES FOR PRIMARY CARE ASTHMA INTERVENTIONS: AN ANALYSIS OF BASELINE DATA FROM THE ASTHMA TOOLS STUDY

NPL Biblio. Data | description

Publisher
nature

Journal
npj Primary Care Respiratory Medicine

Publication Number
10.1038/npjpcrm.2015.58

Publication Date
01.10.2015

IPC
A61B 5/00 | G06Q 50/22 | A61B 5/08 | A61B 5/11 | G06Q 10/06

Authors
Barbara P Yawn
Matthew A Rank
Susan L Gerram
Peter C Wollan

Title
[EN] Obesity, low levels of physical activity and smoking present opportunities for primary care asthma interventions: an analysis of baseline data from The Asthma Tools Study

Abstract
[EN] Abstract Background: Asthma prevalence, severity and outcomes are associated with various patient characteristics and lifestyle choices. Aims: To identify potentially modifiable factors associated with poor asthma outcomes among US primary care patients. Methods: Using baseline data from the Asthma Tools Study, we calculated cross-sectional frequencies of activity levels, smoking, secondhand smoke exposure and the presence of obesity, as well as rates of out-of-control asthma and asthma exacerbations. Frequencies were stratified by sex, and into three age groups: 5-11 years, 12-18 years and 19 years and older. Logistic regression was used to identify factors associated with each of the asthma outcomes. Results: In the 801 individuals enrolled in the asthma study, tobacco smoke exposure, obesity, low activity levels, poverty, inadequately controlled asthma and high asthma-related health-care utilization were common. Across all age groups, obesity was associated with poorer asthma control (odds ratio [OR]=2.3, 95% confidence interval [CI] 1.1-4.7 in 5- to 11-year-olds and OR=1.5, 95% CI 1.1-2.2 in adults) or asthma exacerbations (OR 2.9, 95% CI 1.8-5.1 in 12- to 18-year-olds and OR 1.7, 95% CI 1.1-2.5 in adults). Among adults, smoking was associated with both measures of poorer asthma outcomes: inadequate asthma control (OR=2.3, 95% CI 1.5-3.5), and asthma exacerbations (OR 1.7, 95% CI 1.1-2.8), and low physical activity were associated with poor asthma control (OR=1.5, 95% CI 1.1-2.2). Conclusions: Obesity, low levels of physical activity and smoking are common, and they are associated with poor asthma outcomes in a sample of primary care patients, suggesting important targets for intervention.

Link
<https://www.nature.com/articles/npjpcrm201558>

License
licensed under a Creative Commons Attribution 4.0 International License [CC BY 4.0]

The information in the *NPL Biblio Data* tab is available for download for logged-in users. The link to the source allows users to export the content.

In the *Description* tab, the full-text of the article is available and the *machine translation* button is available if translation is needed:

1. NPL313168373 - OBESITY, LOW LEVELS OF PHYSICAL ACTIVITY AND SMOKING PRESENT OPPORTUNITIES FOR PRIMARY CARE ASTHMA INTERVENTIONS: AN ANALYSIS OF BASELINE DATA FROM THE ASTHMA TOOLS STUDY

NPL Biblio. Data Description

Machine translation

Note: Obtained from nature. Please see original document: [here](#)
 licensed under a Creative Commons Attribution 4.0 International License ([CC BY 4.0](#))
 [EN]
 Abstract

Abstract

Background:
 Asthma prevalence, severity and outcomes are associated with various patient characteristics and lifestyle choices.

Aims:
 To identify potentially modifiable factors associated with poor asthma outcomes among US primary care patients.

Methods:
 Using baseline data from the Asthma Tools Study, we calculated cross-sectional frequencies of activity levels, smoking, secondhand smoke exposure and the presence of obesity, as well as rates of out-of-control asthma and asthma exacerbations. Frequencies were stratified by sex, and into three age groups: 5-11 years, 12-18 years and 19 years and older. Logistic regression was used to identify factors associated with each of the asthma outcomes.

Results:
 In the 901 individuals enrolled in this asthma study, tobacco smoke exposure, obesity, low activity levels, poverty, inadequately controlled asthma and high asthma-related health-care utilisation were common. Across all age groups, obesity was associated with poorer asthma outcomes: either poor asthma control (odds ratio [OR]=2.3, 95% confidence interval [CI] 1.1-4.7 in 5- to 11-year-olds and OR=1.5, 95% CI 1.1-2.2 in adults) or asthma exacerbations (OR 2.8, 95% CI 1.8-5.1 in 12- to 18-year-olds and OR 1.7, 95% CI 1.1-2.5 in adults). Among adults, smoking was associated with both measures of poorer asthma outcomes: inadequate asthma control (OR=2.2, 95% CI 1.5-3.5), and asthma exacerbations (OR 1.7, 95% CI 1.1-2.8), and low physical activity were associated with poor asthma control (OR=1.5, 95% CI 1.1-2.2).

Conclusions:
 Obesity, low levels of physical activity and smoking are common, and they are associated with poor asthma outcomes in a sample of primary care patients, suggesting important targets for intervention.

Introduction
 Asthma is common among US children and adults, with up to 1 in 8-11 children and 1 in 10 adults having received a physician diagnosis of asthma.^{1,2} Asthma continues to be associated with a significant burden to patients, families and health-care systems.³⁻⁵ That burden has been shown to be increased in certain age, sex, race/ethnicity and family income groups.³⁻⁵ These commonly enumerated factors are seldom amenable to medical interventions.
 However, asthma prevalence, severity and outcomes are also associated with several potentially modifiable patient characteristics and lifestyle choices including level of obesity,^{6,7} smoking status,⁸ levels of physical activity⁹ and exposure to secondhand smoke.^{8,10-12} Primary care physicians and practices provide the majority of asthma care¹³ and are therefore appropriate sites in which to assess the frequency of the additional potentially modifiable characteristics and lifestyle choices, highlighting opportunities to use nonmedication-based interventions to improve asthma outcomes.

SEARCH INTERFACES

DIFFERENT LANGUAGES

Interface languages

WIPO IP PORTAL MENU PATENTSCOPE What is this? x HELP ENGLISH LOGIN WIPO

Feedback Search

SIMPLE SEARCH

Using PATENTSCOPE you can search 78 million patent documents including 3.7 million published international patent documents. [Detailed coverage information](#)
 PCT Publication 04/2020 [23.01.2020] is now available. The next publication date is scheduled as follows: 03.01.2020. [More](#)

Field Front Page Search terms...

- ENGLISH
- FRANÇAIS
- DEUTSCH
- ESPAÑOL
- PORTUGUÊS
- РУССКИЙ
- 日本語
- 中文
- 한국어
- عربي

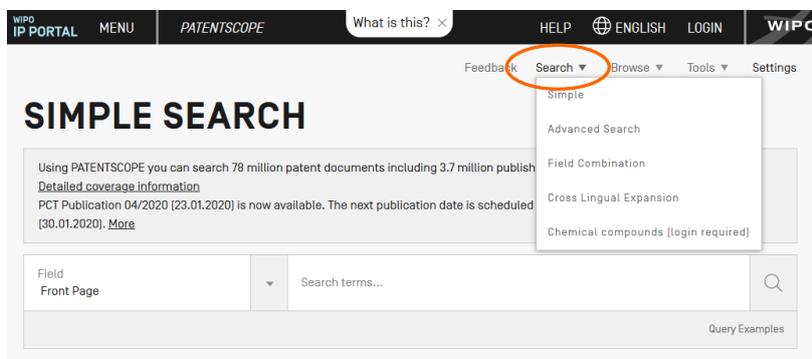
The search interface is available in 10 languages that can be selected in the navigation bar (black bar on the top of the interface).

Search languages

You can search in all the filing languages of the documents contained in PATENTSCOPE, such as Arabic, Bulgarian, Cambodian, Chinese, Danish, English, Estonian, French, German, Greek, Hebrew, Italian, Japanese, Korean, Laotian, Portuguese, Romanian, Russian, Spanish, Thai, Vietnamese, etc.

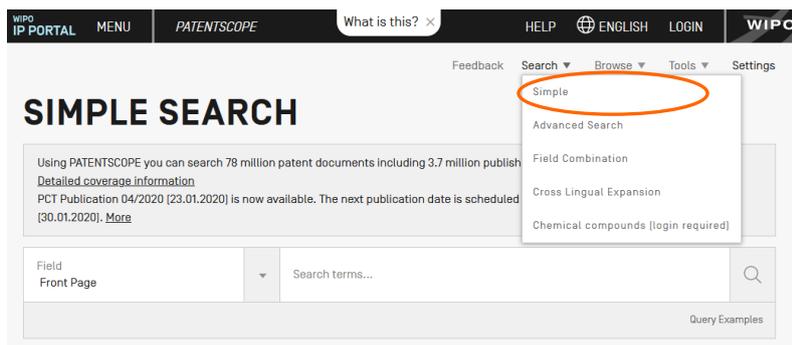
SEARCH INTERFACES

There are 5 ways to conduct a search using PATENTSCOPE Search service. Those options can be selected from the *Search* menu as indicated below.

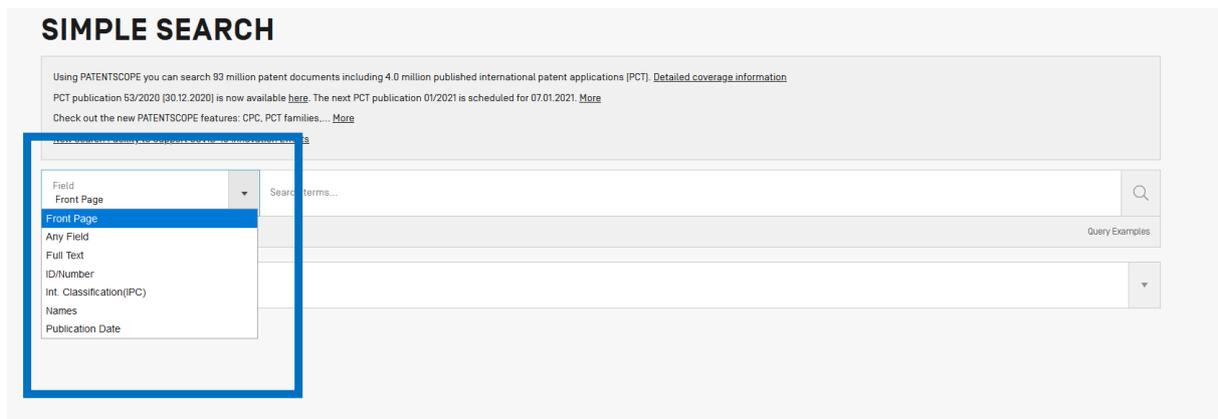


1. Simple search

The *Simple Search* interface is the default interface.



It offers 7 predefined search fields:



The screenshot shows the 'SIMPLE SEARCH' interface. At the top, there is a header with the title 'SIMPLE SEARCH'. Below the header, there is a text area providing information about the search capabilities: 'Using PATENTSCOPE you can search 83 million patent documents including 4.0 million published international patent applications (PCT). [Detailed coverage information](#)
PCT publication 53/2020 (30.12.2020) is now available [here](#). The next PCT publication 01/2021 is scheduled for 07.01.2021. [More](#)
Check out the new PATENTSCOPE features: CPC, PCT families... [More](#)'. Below this text is a search box with a dropdown menu for 'Field' and a search input field. The dropdown menu is open, showing the following options: 'Front Page', 'Any Field', 'Full Text', 'ID/Number', 'Int. Classification(IPC)', 'Names', and 'Publication Date'. The search box also includes a search icon and a 'Query Examples' link.

1. *Front page*: the search criteria you entered in this field will be searched in the front page of the document (title, abstract, names and numbers).
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. *ID/Number*: enter publication number, filing number, etc.
5. *IPC*: enter any International Patent Classification code.
6. *Names*: enter your search in this field to look for the name of an inventor, an applicant, a company, etc.
7. *Publication Date*: enter a date here to search for specific publication dates

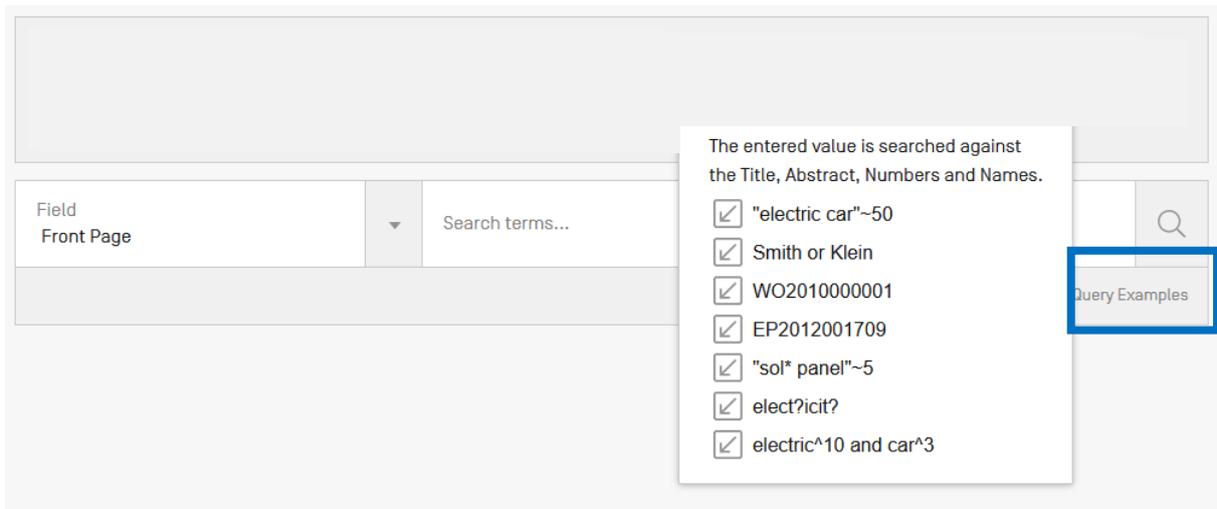
You can use the *Simple Search* interface to search for:

- a specific number: a reference to patent document in the press, in a trial, etc.
- an individual, an inventor, an applicant, etc.
- a company whether it is for personal interest, for merging and/or acquisition purposes or to keep track of the work of a competitor
- an IPC code
- a specific publication date
- a subject matter expressed with simple keywords, a concept that is very specific in order to have a limited number of results



Use the *Browse by week* option to see all international applications published during a given week).

Click the *Query Examples* to be provided with search examples. If you click on those examples, they will automatically appear in the search box. They give you good examples of the kind of searches that can be performed in the *Simple Search* interface:



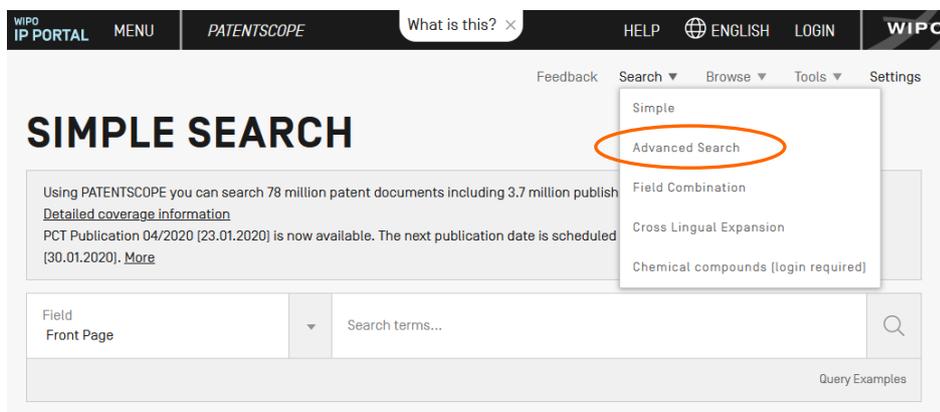
To use the *Simple Search* interface:

1. Select one of the 7 available search fields from the drop-down menu;
2. Enter your search terms into the selected field;
3. Click the  button



To look for a specific patent document number, use the *ID/Number* field
 To look for any information related to a name (inventor, agent, etc.), use the *Names* field.

2. Advanced Search



The *Advanced Search* is the PATENTSCOPE expert search interface that can be used to create complex search queries using an unlimited number of terms.

The PATENTSCOPE search service offers a wide range of operators that can be used to combine search terms, including Boolean operators, proximity operators, and range operators. Using these operators will allow you to customize your results. You can also use wildcard operators to search for variants of terms based on a common stem, or root.

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

The *Advanced Search* interface uses field codes to define the fields in which search terms must be found.

More information about field codes can be found at: <https://patentscope.wipo.int/search/en/help/fieldHelp.jsf>

Some examples of the use of the *Advanced Search*:

1. Searching for inventions made by Steve Jobs published during the period from 2007 to 2009 comprising the keyword “touch” in the description.

```
IN:(Jobs) AND DP:[2007 TO 2009] AND EN_DE:(touch)
```

This search query uses field codes, a Boolean operator, and a range operator.

The field codes are IN for inventor, DP for publication date, and EN_DE for English description.

The Boolean operator AND is used to ensure that all search terms are included in the search results (i.e. that the results are for Jobs as inventor, within the given publication date range, and using the word “touch”).

The range operator TO is used to define a range of publication date values.

2. Searching for inventions related to cutting tree trunks:

cutting AND trunk

This search query will retrieve over 10,000 results, many of which are not related to cutting tree trunks.

cutting NEAR5 trunk

This search query retrieves a few hundred results; most of which are related to the wood industry. It uses a proximity operator NEAR to ensure that the two terms are close to each other in your results and specifies that they must be within 5 words of each other by defining the value as NEAR5. Similarly, you could specify that the terms must be within any other number of words of each other, e.g. NEAR4, NEAR100.

3. Searching for surgical instruments that are referred to before the paragraph “Field of the invention”:

“Field of the invention” BEFORE100 “surgical instruments”

The operator BEFORE allows users to define the part of the document the search should be carried out: only documents containing surgical instruments positioned 100 words after “Field of the invention” will be retrieved.

To use the *Advanced Search* interface:

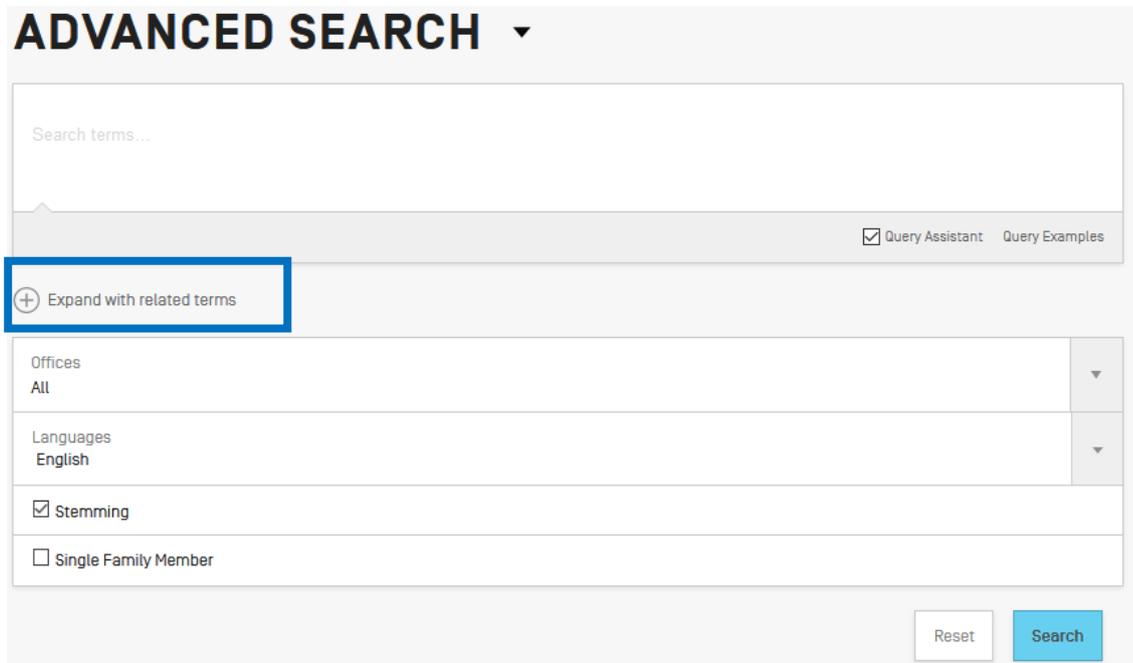
The screenshot shows the 'ADVANCED SEARCH' interface. At the top, there is a search bar with the text '1' entered. Below the search bar, there are several filter options: 'Offices' with 'All' selected and '2' results; 'Languages' with 'All' selected and '3' results; 'Stemming' with a checked box and '4' results; 'Single Family Member' with an unchecked box and '5' results; and 'Include NPL' with an unchecked box and '6' results. At the bottom right, there are 'Reset' and 'Search' buttons.

- 1 Enter keywords/Boolean expression/field codes etc. Please read the Annex section of this guide or go to the *Help* menu on the search interface for a complete list of Boolean expressions and *Fields Definition*;
- 2 Select the collection/s you are interested in using the arrow;
- 3 Select the language in which you would like to perform the search using the arrow;
- 4 *Stemming* is on by default. It is a process that removes ending in order to find keywords with common roots such as electric, electricity, electrical. The stemmer is related to the language of the search, in this example, it is therefore the English stemmer.
- 5 Tick this box if you would like to have family information in your result list. Please read the section in this Guide about families in PATENTSCOPE.
- 6 Tick this box if you would like to have non-patent literature information in your result list. Please read the section in this Guide about non-patent literature in PATENTSCOPE.

Expand with related terms

This feature allows you to expand your query with synonyms that are automatically provided by PATENTSCOPE

Enter your query in the query box and click the *Expand with related terms* button



The screenshot shows the 'ADVANCED SEARCH' interface. At the top, there is a search box with the placeholder text 'Search terms...'. Below the search box, there are two checkboxes: 'Query Assistant' (checked) and 'Query Examples'. A blue box highlights the '+ Expand with related terms' button. Below this button, there are several settings: 'Offices' set to 'All', 'Languages' set to 'English', 'Stemming' checked, and 'Single Family Member' unchecked. At the bottom right, there are 'Reset' and 'Search' buttons.

Your new query is displayed just below:



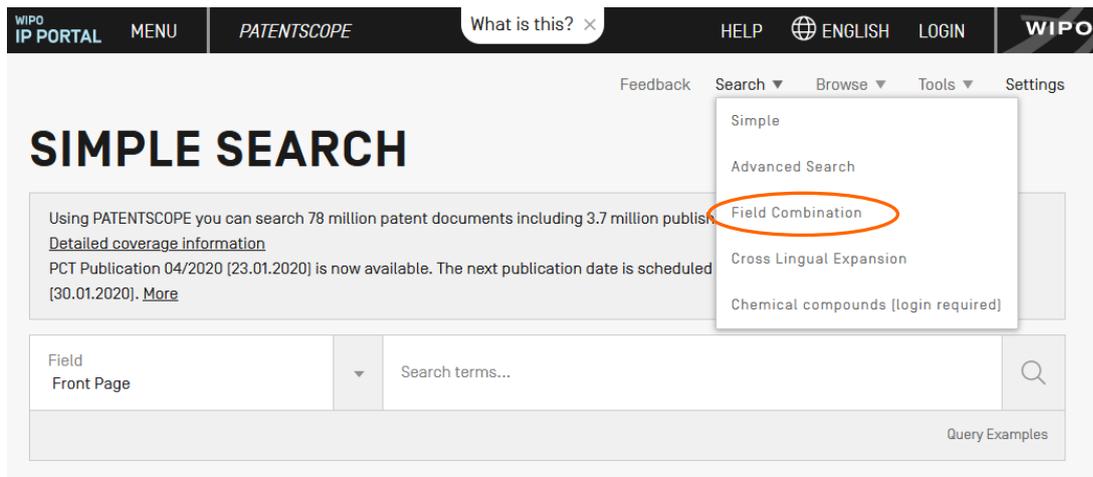
The screenshot shows the search box containing the text 'electric car'. Below the search box, there are two checkboxes: 'Query Assistant' (checked) and 'Query Examples'. A minus sign icon and the text 'Hide the expanded query Refresh' are visible. Below this, there is a box containing the expanded query: 'Expanded query: (("electric vehicle" OR "electric car")) OR (electric AND (motor OR car))'. A small icon is visible in the bottom right corner of the expanded query box.

The click the *Expanded Search* button to run your search.



Click the *Query Examples* to be provided with search examples. If you click on those examples, they will automatically appear in the search box.

3. Field Combination



The *Field Combination* interface can be used to structure a more targeted search using specific search criteria in any search fields (e.g. title, abstract, description, etc.) can be performed using this interface.

FIELD COMBINATION ▾

	Field Front Page	▼	Value	?
Operator AND	Field WIPO Publication Numbe	▼	Value	?
Operator AND	Field Application Number	▼	Value	?
Operator AND	Field Publication Date	▼	Value	?
Operator AND	Field English Title	▼	Value	?
Operator AND	Field Abstract	▼	Is Empty: N/A	▼
Operator AND	Field Licensing availability	▼	<input type="checkbox"/>	

Offices All	▼
Languages English	▼
<input checked="" type="checkbox"/> Stemming	
<input type="checkbox"/> Single Family Member	

The *Field Combination Search*, a list of preset search fields that can be combined according to the users' needs, should be used to search together different concepts such as:

- a date and an inventor
- an inventor and a company,
- etc.

Any combination of the preset search fields available in the *Field Combination Search* is possible.

Some examples of the use of the *Field Combination*:

- Searching for the inventions filed by Shimano in 2017. In the drop-down box, select the field *Applicant Name* and enter **Shimano**; select *AND* and the field *Publication date* and enter **2017**

	Operator	Field	Value
		Front Page	
AND		Applicant Name	Shimano
AND		Publication Date	2017
AND		Publication Date	
AND		Abstract	
AND			Is Empty:

- Searching for applications containing microchip with licensing availability. In the drop-down box, select *English Claims* and enter **microchip**, then tick the *Licensing availability* box (the last row in the *Field Combination* interface).

AND		English Claims	microchip
AND		Abstract	Is Empty: N/A
AND		Licensing availability	<input checked="" type="checkbox"/>

- Searching for missing information using the empty field option: for example, you can search applications without any IPC code. In the row before last, select the *IPC* in the drop-down box and tick *yes* next to empty.

Operator AND	▼	Field International Class	▼	Is Empty: N/A	▼
Operator AND	▼	Field Licensing availability	▼	N/A +	▼
				Yes	
				No	

To use the Field Combination interface:

- 1 Select the field/s of interest using the arrow of the drop-down menu
- 2 Use the *AND/OR* boxes to add or include fields
- 3 If you would like to add more fields or remove one or more fields, please click the + or – signs:

[+] Add another search field
 [-] Reset search fields

- 4 Select the collection/s you are interested in the drop-down menu:

Offices
 All

- 5 Select the language in which you would like to perform the search in the drop-down menu:

Languages
 English

- 7 Stemming is on by default. It is a process that removing ending in order to find keywords with common roots such as electric, electricity, electrical. The stemmer is related to the language of the search, in this example, it is therefore the English stemmer:

Stemming

- 8 Tick this box if you would like to have family information in your result list. Please read the section in this Guide about the families:

Single Family Member

- 9 Tick this box if you would like to have non-patent literature in your result list. Please read the section in this Guide about non-patent literature:

Include NPL

At the bottom of the search page, the number of results are indicated, allowing therefor to amend the query is necessary:

FIELD COMBINATION ▾

Operator AND	Field Front Page	Value	?
Operator AND	Field Chinese Description	Value 百胜车	?
Operator AND	Field Application Number	Value	?
Operator AND	Field Publication Date	Value	?
Operator AND	Field Abstract	Value	?
Operator AND	Field Abstract	Is Empty: N/A	▾
Operator AND	Field Licensing availability	<input type="checkbox"/>	

+ Add another search field - Reset search fields

Offices
All ▾

Languages
All ▾

Stemming

Single Family Member

Include NPL

58 results Reset Search



From the result page, to go back to Field Combination with your search criterias, go to the *Search* menu and select *Field Combination*.

4. CLIR_ Cross-Lingual Information Retrieval

WIPO IP PORTAL MENU PATENTSCOPE What is this? × HELP ENGLISH LOGIN WIPO

Feedback Search ▾ Browse ▾ Tools ▾ Settings

SIMPLE SEARCH

Using PATENTSCOPE you can search 78 million patent documents including 3.7 million published. [Detailed coverage information](#)
PCT Publication 04/2020 [23.01.2020] is now available. The next publication date is scheduled for [30.01.2020]. [More](#)

Field
Front Page ▾ Search terms... 🔍

Query Examples

Search menu dropdown:

- Simple
- Advanced Search
- Field Combination
- Cross Lingual Expansion
- Chemical compounds (login required)

CLIR stands for Cross Lingual Information Retrieval. This tool allows you to expand your search by including patent documents in your result list that were disclosed in a foreign languages: for example, you enter one keyword in English, your result list will include that keyword in English and its synonyms as well as the translation of both the keyword and the synonyms into 13 languages. The tool first finds synonym of your query and then translate everything into 13 languages. The following languages are available:

- Chinese
- Danish
- Dutch
- English
- French
- German
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Russian
- Spanish
- Swedish

Just enter one or more terms in one of those languages in the search box and the system will suggest variants and translate the term(s), thus allowing you to search patent documents disclosed in all of these languages.

CROSS LINGUAL EXPANSION ▾

Search terms... *
1

Query Language* 2
English
The language of your query

Expansion Mode: 3
 Automatic
 Supervised
Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by

Precision level 4
High
Influences the precision of the suggested variants.
Highest level considers only the most relevant ones (less suggested variants)
Lowest level considers the less relevant as well (more suggested variants)

5 Search

Step 1: Enter your query

1. Enter the search query in the search box. Up to 5 keywords can be entered and “...” are supported.
2. Select the language of your query.

3. Select the *Expansion mode*:
 - a. *Supervised* will allow you to select the technical domain associated with your query and the variants relevant to your query.
 - b. *Automatic* will generate the results immediately without any further user input.
4. Select the level of precision. If you favor precision, an expanded query will be built in order to retrieve only the most relevant results at the risk of missing some results. If you favor recall, an expanded query will be built in order to retrieve more results at the possible expense of accuracy.

Precision is defined as the proportion of relevant documents in the set of all documents returned by a search query. Precision is a measure of exactness.

Recall is defined as the number of relevant documents retrieved as fraction of all relevant documents. Recall is a measure of completeness.

5. Click the *Search* (automatic mode) or *Select Domains* (supervised mode) button.

Automatic mode: 1 step

After entering your query, select the query language, the expansion mode, define the level of precision and click the *search* button:

The screenshot shows a search interface with the following elements:

- Search terms... ***: biodegradable cup
- Query Language**: English (dropdown menu)
- Expansion Mode**:
 - Automatic
 - Supervised

Use the **Supervised** mode to select the technical domains, the relevant variants, the languages to translate your query to and the fields to search by
- Precision level**: High (dropdown menu)
- High**: Influences the precision of the suggested variants. **Highest** level considers only the most relevant ones (less suggested variants)
- Lowest**: level considers the less relevant as well (more suggested variants)
- Search** button

The result list will be displayed with the new query containing synonyms and translations of your query:

FULL QUERY

Close

Edit

(EN_Tt:(("biodegradable cup"~21 OR "biodegradable tank"~21) OR EN_AB:(("biodegradable cup"~21 OR "biodegradable tank"~21)) OR (DA_Tt:(("biologisk nedbrydelige tank"~22 OR "biologisk nedbrydelige bæger"~22 OR "bionedbrydelige tank"~22 OR "bionedbrydelige bæger"~22 OR "biologisk nedbrydelige hule"~22 OR "biologisk nedbrydelige kop"~22 OR "nedbrydeligt materiale tank"~22 OR "biologisk nedbrydelige bægerformede"~22 OR "nedbrydeligt materiale bæger"~22) OR DA_AB:(("biologisk nedbrydelige tank"~22 OR "biologisk nedbrydelige bæger"~22 OR "bionedbrydelige tank"~22 OR "bionedbrydelige bæger"~22 OR "biologisk nedbrydelige hule"~22 OR "biologisk nedbrydelige kop"~22 OR "nedbrydeligt materiale tank"~22 OR "biologisk nedbrydelige bægerformede"~22 OR "nedbrydeligt materiale bæger"~22)) OR (DE_Tt:(("biologisch abbaubaren Tank"~22 OR "biologisch abbaubaren Schutzkappe"~22 OR "biologisch abbaubaren Becher"~22 OR "biologisch abbaubaren gewölbter"~22 OR "biologisch abbaubaren Pfanne"~22 OR "biologisch abbaubaren desselben"~22 OR "biologisch abbaubaren Zufuhrbecher"~22 OR "biologisch abbaubaren Tasse"~22 OR "bioabbaubare Tank"~22) OR DE_AB:(("biologisch abbaubaren Tank"~22 OR "biologisch abbaubaren Schutzkappe"~22 OR "biologisch abbaubaren Becher"~22 OR "biologisch abbaubaren gewölbter"~22 OR "biologisch abbaubaren Pfanne"~22 OR "biologisch abbaubaren desselben"~22 OR "biologisch abbaubaren Zufuhrbecher"~22 OR "biologisch abbaubaren Tasse"~22 OR "bioabbaubare Tank"~22)) OR (ES_Tt:(("tanque biodegradables"~22 OR "vaso biodegradables"~22 OR "cubeta biodegradables"~22 OR "depósito biodegradables"~22 OR "taza biodegradables"~22 OR "cup biodegradables"~22 OR "copa biodegradables"~22 OR "bote biodegradables"~22 OR "cuba biodegradables"~22) OR ES_AB:(("tanque biodegradables"~22 OR "vaso biodegradables"~22 OR "cubeta biodegradables"~22 OR "depósito biodegradables"~22 OR "taza biodegradables"~22 OR "cup biodegradables"~22 OR "copa biodegradables"~22 OR "bote biodegradables"~22 OR "cuba biodegradables"~22)) OR (FR_Tt:(("réservoir biodégradable"~22 OR "gobelet biodégradable"~22 OR "citerne biodégradable"~22 OR "coupelle biodégradable"~22 OR "cuve biodégradable"~22 OR "godet biodégradable"~22 OR "bassin biodégradable"~22 OR "tasse biodégradable"~22 OR "cup biodégradable"~22) OR FR_AB:(("réservoir biodégradable"~22 OR "gobelet biodégradable"~22 OR "citerne biodégradable"~22 OR "coupelle biodégradable"~22 OR "cuve biodégradable"~22 OR "godet biodégradable"~22 OR "bassin biodégradable"~22 OR "tasse biodégradable"~22 OR "cup biodégradable"~22)) OR (IT_Tt:(("biodegradabili serbatoio"~22 OR "biodegradabili vasca"~22 OR "biodegradabili tazza"~22 OR "biodegradabili bicchiere"~22 OR "biodegradabili bicchieri"~22 OR "biodegradabili scodellino"~22 OR "biodegradabili organi a calotta"~22 OR "biodegradabili serbatoio"~22 OR "biodegradabili cisterna"~22) OR IT_AB:(("biodegradabili serbatoio"~22 OR "biodegradabili vasca"~22 OR "biodegradabili tazza"~22 OR "biodegradabili bicchiere"~22 OR "biodegradabili bicchieri"~22 OR "biodegradabili scodellino"~22 OR "biodegradabili organi a calotta"~22 OR "biodegradabili serbatoio"~22 OR "biodegradabili cisterna"~22)) OR (JA_Tt:(("生分解 タンク"~22 OR "生分解 カップ"~22 OR "分解可能 タンク"~22 OR "分解性 タンク"~22 OR "分解可能 カップ"~22 OR "生分解 コップ"~22 OR "分解性 コップ"~22 OR "生物分解 タンク"~22 OR "生崩壊性 タンク"~22) OR JA_AB:(("生分解 タンク"~22 OR "生分解 カップ"~22 OR "分解可能 タンク"~22 OR "分解性 タンク"~22 OR "分解可能 カップ"~22 OR "生分解 コップ"~22 OR "分解性 コップ"~22 OR "生物分解 タンク"~22 OR "生崩壊性 タンク"~22)) OR (KO_Tt:(("컵 생분해성"~22 OR "텀크 생분해성"~22 OR "저장텀크 생분해성"~22 OR "텀크용 생분해성"~22 OR "정화조 생분해성"~22 OR "위생팩을 생분해성"~22 OR "원료 생분해성"~22 OR "조립식 생분해성"~22 OR "통기관형 생분해성"~22) OR KO_AB:(("컵 생분해성"~22 OR "텀크 생분해성"~22 OR "저장텀크 생분해성"~22 OR "텀크용 생분해성"~22 OR "정화조 생분해성"~22 OR "위생팩을 생분해성"~22 OR "원료 생분해성"~22 OR "조립식 생분해성"~22 OR "통기관형 생분해성"~22)) OR (NL_Tt:(("biologisch afbreekbaar kopvormige"~22 OR "biologisch afbreekbaar cup"~22 OR "biodegradeerbare kopvormige"~22 OR "biodegradeerbare cup"~22 OR "biologisch afbreekbaar beker"~22 OR "biodegradeerbare beker"~22 OR "biologisch afbreekbaar tank"~22 OR "biologisch afbreekbaar reservoirs"~22 OR "biodegradeerbare tank"~22) OR NL_AB:(("biologisch afbreekbaar kopvormige"~22 OR "biologisch afbreekbaar cup"~22 OR "biodegradeerbare kopvormige"~22 OR "biodegradeerbare cup"~22 OR "biologisch afbreekbaar beker"~22 OR "biodegradeerbare beker"~22 OR "biologisch afbreekbaar tank"~22 OR "biologisch afbreekbaar reservoirs"~22 OR "biodegradeerbare tank"~22)) OR (PL_Tt:(("biodegradowalny zbiornika"~22 OR "biodegradowalnego zbiornika"~22 OR "biologicznemu zbiornika"~22 OR "podobny zbiornika"~22 OR "biodegradowalny wanna"~22 OR "biodegradowalnego wanna"~22 OR "biodegradacji zbiornika"~22 OR "rozkładowi zbiornika"~22 OR "biologicznemu wanna"~22) OR PL_AB:(("biodegradowalny zbiornika"~22 OR "biodegradowalnego zbiornika"~22 OR "biologicznemu zbiornika"~22 OR "podobny zbiornika"~22 OR "biodegradowalny wanna"~22 OR "biodegradowalnego wanna"~22 OR "biodegradacji zbiornika"~22 OR "rozkładowi zbiornika"~22 OR "biologicznemu wanna"~22)) OR (PT_Tt:(("tanque biodegradável"~22 OR "vaso biodegradáveis"~22 OR "reservatório biodegradável"~22 OR "tanque biodegradáveis"~22 OR "copa biodegradáveis"~22) OR PT_AB:(("tanque biodegradável"~22 OR "vaso biodegradáveis"~22 OR "reservatório biodegradável"~22 OR "tanque biodegradáveis"~22 OR "copa biodegradáveis"~22)) OR (RU_Tt:(("биодegradable чашка"~22 OR "биодegradable бак"~22) OR RU_AB:(("биодegradable чашка"~22 OR "биодegradable бак"~22)) OR (UK_Tt:(("біодegradable чашка"~22 OR "біодegradable бак"~22) OR UK_AB:(("біодegradable чашка"~22 OR "біодegradable бак"~22)) OR (VI_Tt:(("biodegradable cup"~22 OR "biodegradable tank"~22) OR VI_AB:(("biodegradable cup"~22 OR "biodegradable tank"~22)) OR (ZH_Tt:(("biodegradable cup"~22 OR "biodegradable tank"~22) OR ZH_AB:(("biodegradable cup"~22 OR "biodegradable tank"~22))

Supervised mode: 4 steps

Step 1: enter your query, select the query language, the expansion mode, define the level of precision and click the *Select Domains* button:

Search terms... *
biodegradable cup

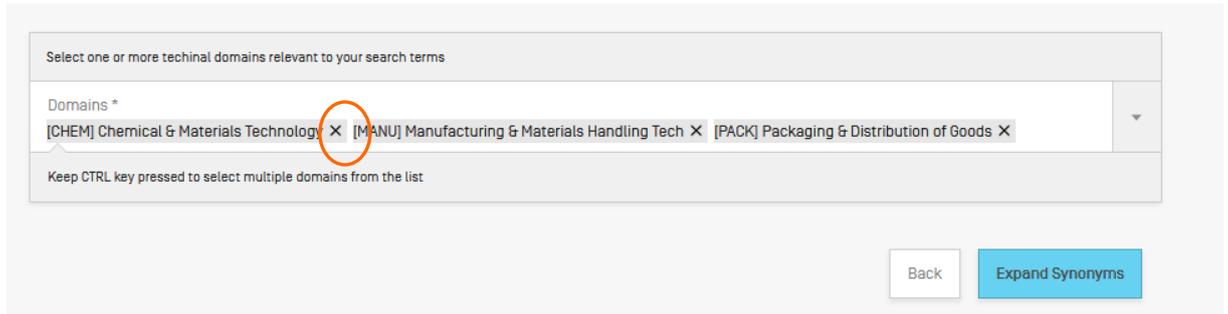
Query Language English	Expansion Mode: <input type="radio"/> Automatic <input checked="" type="radio"/> Supervised	Precision level High
The language of your query		Influences the precision of the suggested variants Highest level considers only the most relevant ones (less suggested variants) Lowest level considers the less relevant as well (more suggested variants)

Select Domains

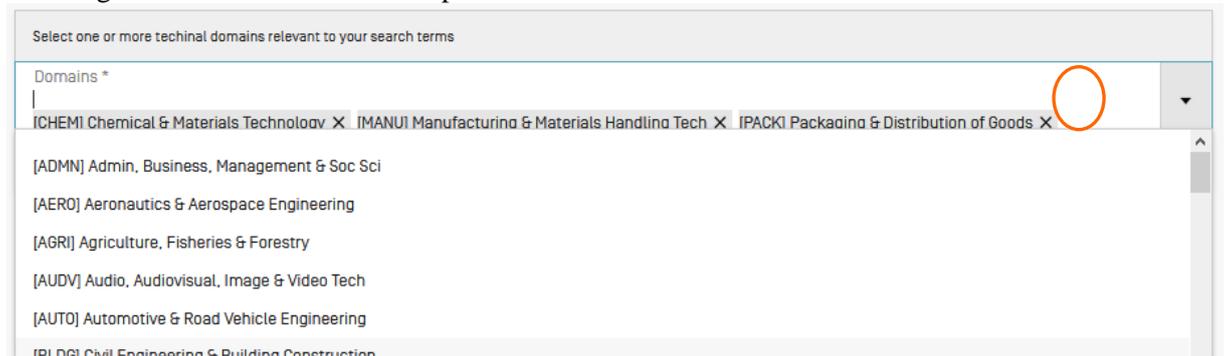
Step 2: Select the technical domain/s:

The PATENTSCOPE search system will propose a list of domains to which the keywords you entered in the first step could belong. You can edit the proposals by:

- removing the technical domains that are not relevant with just one click on the cross next to the domain:



- selecting relevant domains in the drop-down menu:



Up to 5 domains can be selected.

Then click the *Expand Synonyms* button

Step 3: Select the variants relevant to your query

The system will suggest variants for the terms of your initial query. Variants are proposed for each term of your query click the *term* button to check the proposals for all the terms. Select the checkboxes next to the variants relevant to your query. If you know a variant that is not in the proposed list, click on *Add variant* button, enter the variant in the box and select the relevant domain.

▼ TERM 1: CUP

Keep term untranslated when expanding query in other languages

Domains

[AUDV] Audio, Audiovisual, Image & Video Tech × [CHEM] Chemical & Materials Technology ×
[MANU] Manufacturing & Materials Handling Tech × [PACK] Packaging & Distribution of Goods ×

Variants

Precision level

High

- | | | |
|----------------------------------|--|-----------------------------------|
| <input type="checkbox"/> bucket | <input type="checkbox"/> ancillary piece | <input type="checkbox"/> close |
| <input type="checkbox"/> packed | <input type="checkbox"/> earpiece | <input type="checkbox"/> earphone |
| <input type="checkbox"/> pleats | <input type="checkbox"/> ramming | <input type="checkbox"/> cushion |
| <input type="checkbox"/> goblets | <input type="checkbox"/> cuvette | <input type="checkbox"/> pot |
| <input type="checkbox"/> tub | <input type="checkbox"/> pit | <input type="checkbox"/> pad |
| <input type="checkbox"/> sump | <input type="checkbox"/> converter | <input type="checkbox"/> hollow |
| <input type="checkbox"/> ear pad | <input type="checkbox"/> bowl | |

Add variant

► TERM 2: BIODEGRADABLE

Start Over

Back

Translate Selected Terms

Please note that is necessary to check if each displayed variant applies otherwise you might have incomplete results.

Click on *Translate Selected Terms*.

Step 4: Check the proposed translations and define the fields in which the search should be performed.

The screenshot shows a search interface with the following elements:

- Language tabs: English, French, German, Spanish, Portuguese, Japanese, Russian, Chinese, Korean, Italian, Swedish, Dutch, Polish, Danish, IPC. A large number '1' is placed below the Danish and IPC tabs.
- Search terms input: "car" OR "wagon" OR "automotive" OR "motor vehicles" OR "automobile" OR "auto" OR "waggon".
- Remove this translation button.
- Field(s) you want to search: * dropdown menu with options: Abstract (selected with 'X'), Title, Abstract (checked with '✓'), Description, Claims. A large number '2' is placed next to the dropdown.
- Acceptable distance between matched... dropdown menu with options: Minimal, Sentence (selected), Paragraph, Page, Unconstrained. A large number '3' is placed next to the dropdown.
- Stemming checkbox: checked. A large number '4' is placed next to the checkbox.
- Buttons: Start Over, Back, Search. A large number '5' is placed next to the Search button.

1. Check the translated terms by going in each tab. The *remove translation* button will remove language that the user is not interested in
2. Define the fields where the search will be performed. We recommend using title and abstract because it is fast. If you are not satisfied with the amount of results, add then first claims and finally description to the scope of your query to try to find more results.
3. Define the distance between the words. We recommend using the unconstrained option when searching titles and abstracts. If you search description or claims, we recommend using the sentence or paragraph distance to make sure the concepts you search appear close to one another in the text of the returned results.
4. Untick the *Stemming* option if you would like to have results including only the exact term of your search. Stemming uses the root form of the word, for example if you search “swim”, the results will include swimming, swimmers etc.
5. Click on *Submit Query*. Results will be retrieved from the PATENTSCOPE search service and results will be displayed.

5. Chemical structure search

Available from the Search menu, for logged-in users, the chemical structure search allows users to search for chemical information in PATENTSCOPE

The screenshot shows the WIPO PATENTSCOPE interface. At the top, there is a navigation bar with 'WIPO IP PORTAL', 'MENU', 'PATENTSCOPE', 'What is this? x', 'HELP', 'ENGLISH', 'LOGIN' (circled in orange), and 'WIPO'. Below the navigation bar, there are links for 'Feedback', 'Search', 'Browse', 'Tools', and 'Settings'. The main heading is 'SIMPLE SEARCH'. A text box below the heading states: 'Using PATENTSCOPE you can search 78 million patent documents including 3.7 million published. [Detailed coverage information](#). PCT Publication 04/2020 [23.01.2020] is now available. The next publication date is scheduled for [30.01.2020]. [More](#)'. A search dropdown menu is open, showing options: 'Simple', 'Advanced Search', 'Field Combination', 'Cross Lingual Expansion', and 'Chemical compounds (login required)' (circled in orange). Below the search menu, there is a search form with a dropdown for 'Field' (set to 'Front Page') and a text input for 'Search terms...'. A search icon is on the right, and 'Query Examples' is at the bottom right.

If you do not have a WIPO account to login-in, please see Login section of this Guide menu.

There are four options to perform a search.

The screenshot shows the 'Exact Structure Search' interface. At the top, there are four tabs: 'Convert structure', 'Structure editor', 'SubStructure', and 'Upload structure'. The 'Convert structure' tab is highlighted with a red box. Below the tabs, there is a search form with a dropdown for 'Search type' (set to 'Compound name') and a text input field with the placeholder text: '|type an accepted name, commercial name, CAS name, IUPAC name'. Below the search form, there is a checkbox for 'Search for scaffold' and a dropdown for 'Offices' (set to 'All'). At the bottom, there are three buttons: 'Reset', 'Show in editor', and 'Exact Structure Search'.

Convert structure tab

Convert a structure allows users to select the input type of the search such as the name of the chemical compound.

Convert structure | Structure editor | SubStructure | Upload structure

Search type
Compound name ▼

Type an accepted name, commercial name, CAS name, IUPAC name

Compound name

- INN
- InChI
- SMILES

All

Reset | Show in editor | Exact Structure Search

Different options to enter your search are available: name of the chemical compound such as trivial name, commercial name, IUPAC name or CAS name, the International Nonproprietary Name (INN) InChI, InChIKeys or SMILES.

You can submit your query directly or check the structure using the show in editor. This button will process the input data to convert the compound name, INN, InChI or SMILES into the corresponding structure

Structure editor tab

Structure editor allows users to draw or edit a structure. Chemical structures, reactions and fragments can be drawn in a very intuitive way using the symbols familiar from chemical sketches on paper.

Convert structure | Structure editor | SubStructure | Upload structure

Search for scaffold

Offices
All

Reset | Substructure Search | Exact Structure Search | Evaluate

Upload structure tab

Upload a structure allows users to upload a chemical description file in a supported format; for example: MOL, SMILES as well as a bitmap representation of the chemical compound such as png, gif, tiff, jpeg format. The Search for scaffold button will enlarge the search as the compound will be searched more generally, taking into consideration only the 1st part of the InChIKey. The scaffold is Basic skeleton of a molecule to which further groups and moieties are attached Structure editor tab



Substructure search tab

Additionally to the "Exact Structure Search", the functionality to search substructures within chemical compounds is now also available. The "Substructure Search" can be submitted from the "Structure editor".

The screenshot shows the 'Substructure search' tab selected in a navigation bar. Below the navigation bar is a toolbar with various icons for editing and viewing. The main area displays a chemical structure of a complex molecule. Below the structure is a text box containing the following information:

InChI: InChI=1S/C22H30N6O4S/c1-5-7-17-19-20[27(4)25-17]22[29]24-21[23-19]16-14-15[8-9-18(16)32-6-2]33[30,31]28-12-10-26[3]11-13-28/h8-9,14H,5-7,10-13H2,1-4H3,[H,23,24,29]
InChIKey: BNRNXUUZRGAQC-UHFFFAOYSA-N
Molecular Formula: C22H30N6O4S
Molecular Weight: 474.5846 G/mol

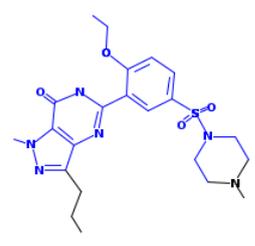
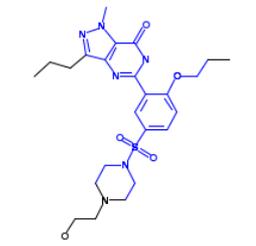
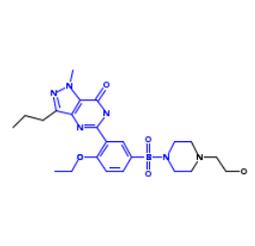
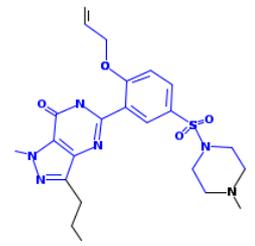
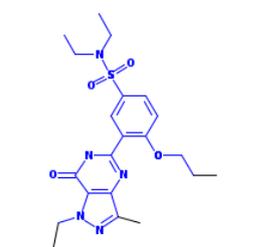
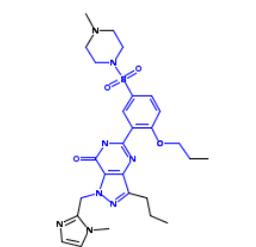
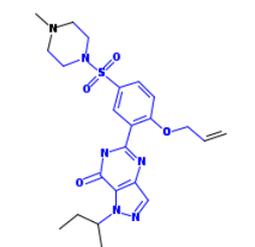
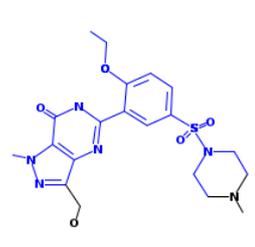
Below the text box is a checkbox labeled 'Search for scaffold' which is currently unchecked. Below the checkbox is a dropdown menu labeled 'Offices' with 'All' selected. At the bottom of the interface are four buttons: 'Reset', 'Substructure Search' (highlighted with a red box), 'Exact Structure Search', and 'Evaluate'.

After a substructure search has been launched, a list of structures containing the query molecule will be returned (ordered as a grid). The matching substructure is shown highlighted (blue color) by each molecule hit.

Convert structure Structure editor **SubStructure** Upload structure

Substructure search results [117 + 69%]

[1 of 5] << < **1** 2 3 4 5 >> > 24

BNRNXUZRGAQC-UHFFFAOYSA-N 	DDQVAJSWFRJSGC-UHFFFAOYSA-N 	NEYKRKVLWKQBI-UHFFFAOYSA-N 	RLANNACSMIAKAJ-UHFFFAOYSA-N 
PUUBVLATLYXEY-UHFFFAOYSA-N 	DRIPPBPKPZJMRK-UHFFFAOYSA-N 	JDSLHRMLGAKLG-UHFFFAOYSA-N 	NWCBCPZAPZWC-UHFFFAOYSA-N 
OJECJYBJIYAQBH-UHFFFAOYSA-N	ORWIHWJJPQJJI-UHFFFAOYSA-N 	SYUVUKKQXAXKHL-UHFFFAOYSA-N Cl	UDOFFYWLBMCBHJ-UHFFFAOYSA-N 

You can select one or several structures before submitting the search by clicking on the checkboxes or you can select (or deselect) all the chemical compounds on the page clicking the buttons “Select all” (or “Clear all”).

A maximum of 1024 chemical compounds can be selected for the search of the patents. If selection contains more than 1024 chemical compounds, a message will be displayed as shown in **Error! Reference source not found.**

If the “substructure search” takes longer than 4 sec., a link with the label “Show more” will appear on the last page indicating that the substructure search is not completed (s. **Error! Reference source not found.**). This information may also be inferred by the percentage of the result list at the top of the substructure list.

BNRNXUZRGGQAC-UHFFFAOYSA-O

[5 of 5] 1 2 3 4 5 24

Search for scaffold

Offices
All

Reset Clear all Select all Search

Markush Search in PATENTSCOPE

Markush searching refers to finding an exact structure or a substructure or a fuzzy structure of interest in documents with a range of chemical structures defined by a Markush structure

Within the PATENTSCOPE system there are two ways of carrying out a Markush search.

Firstly, in order to enable a rapid search within structures contained in documents defined by a Markush formula, these Markush structures have been enumerated and the relevant document annotated with the respective InchiKeys in the same way as for the normal chemical structures in PATENTSCOPE documents which have been identified as chemical related.

This function is available in the Chemical Compounds Search opening page by selecting the “Include enumerated Markush structures” function and by clicking on the “Exact Structure Search” button:

WIPO IP PORTAL MENU PATENTSCOPE Covid-19 Update X HELP PAUL HALFPENNY WIPO

Feedback Goto Search Browse Tools Settings

CHEMICAL COMPOUNDS SEARCH

Convert structure Upload structure Structure editor Found compounds Found Markush Formulas

Search type
Compound name

type an accepted name, commercial name, CAS name, IUPAC name

Search for scaffold

Include enumerated Markush structures

Offices
All

Reset Show in editor Exact Structure Search

The results are displayed as follows:

Note the new PATENTSCOPE search field ENUM that is used to index the enumerated InchiKeys.

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Feedback Goto Search Browse Tools Settings

CHEM:(AQIXAKUUQRKLN-UHFFFAOYSA-N) OR ENUM:(AQIXAKUUQRKLN-UHFFFAOYSA-N)

27,984 results Offices all Languages en Stemming true Single Family Member false Include NPL true

Sort: Pub Date Asc Per page: 10 View: All 1 / 2,799

Download Machine translation

1. 000002857324	DE -
Int.Class C07D 233/64 Appl.No Applicant Inventor	
2. 1976054558 チオウレア化合物の製法	JP - 13.05.1976
Int.Class C07D 233/64 Appl.No 1975106455 Applicant Inventor グラハム ジヨン デュラント	
3. 1976125074 複素環式化合物の製法	JP - 01.11.1976
Int.Class C07D 233/64 Appl.No 1975106460 Applicant Inventor トーマス ヘンリー ブラウン	
4. 4013678 PROCESS FOR PREPARING HETEROCYCLICALKYLTHIOALKYL-N-CYANOQUANIDINES	US - 22.03.1977
Int.Class C07C 67/00 Appl.No 05606269 Applicant Smith Kline & French Laboratories Limited Inventor Brown Thomas Henry	
Process for preparing heterocyclicalkylthioalkyl-N-cyanoguanidines and thioureas by treating a heterocyclicalkyl derivative with a mercaptoalkyl-N-cyanoguanidine or thiourea. Two specific products are N-cyano-N'-methyl-N'-[2-[[5-methyl-4-imidazolyl]methylthio]ethyl]guanidine and N-methyl-N'-[2-[[5-methyl-4-imidazolyl]methylthio]ethyl]thiourea, both useful as histamine H.sub.2 -antagonists.	
5. 66446 PROCESS FOR PREPARING 4-SUBSTITUTED IMIDAZOLE COMPOUNDS	PT - 01.05.1977
Int.Class C07D 233/54 Appl.No 6644677 Applicant SMITHKLINE CORP Inventor	

The advantages of the Markush search by enumerations are:

- **Simplicity:** you only need to tick a box to search Markush Formulae
- **Response times:** the search is executed in a matter of seconds
- **Full power of combination with all other PATENTSCOPE fields using Boolean logic:** for example if you want to search cimetidine in Markush structures but only documents concerning Mandelson syndrome, you could use the search query: “ENUM:(AQIXAKUUQRKLN-UHFFFAOYSA-N) AND EN_DE:Mandelson”

The disadvantages are:

- **Reduced recall:** the Markush enumeration algorithm enumerates each Markush formula to a maximum number of 500 Inchikeys, starting with the simpler structures that match the Markush definition. The more complicated structures will not be retrieved.
- **Only exact compound searches can be conducted**

Secondly, another more elaborate search is available from the structure editor page. To arrive at this page when you are using a name, or chemical formula as your input, firstly, type in your search term and then click the “show in editor” button as shown below:

The screenshot shows the 'CHEMICAL COMPOUNDS SEARCH' interface. At the top, there is a navigation bar with 'WIPO IP PORTAL', 'MENU', 'PATENTSCOPE', 'Covid-19 Update', 'HELP', 'CHRISTOPHE MAZENC', and 'WIPO'. Below this, there are links for 'Feedback', 'Goto', 'Search', 'Browse', 'Tools', and 'Settings'. The main heading is 'CHEMICAL COMPOUNDS SEARCH'. There are five tabs: 'Convert structure', 'Upload structure', 'Structure editor', 'Found compounds', and 'Found Markush Formulas'. The 'Structure editor' tab is active. The search type is 'Compound name'. The search term is 'lansoprazole'. There are checkboxes for 'Search for scaffold' and 'Include enumerated Markush structures'. The 'Offices' dropdown is set to 'All'. At the bottom, there are three buttons: 'Reset', 'Show in editor' (circled in red), and 'Exact Structure Search'.

In this case the search term is lansoprazole and when the structure editor opens you need to scroll down to beneath the structure window and a tab with the option of “Markush Search” is visible which gives the option of four different search types, see below:

CHEMICAL COMPOUNDS SEARCH ▾

Convert structure Upload structure **Structure editor** Found compounds Found Markush Formulas

InChI: InChI=1S/C16H14F3N3O2S/c1-10-13[20-7-6-14(10)24-9-16(17,18)19]8-25(23)15-21-11-4-2-3-5-12(11)22-15/h2-7H,8-9H2,1H3,(H,21,22)

InChIKey: MJJHNNLF0KEZEW-UHFFFAOYSA-N

Molecular Formula: C16H14F3N3O2S

Molecular Weight: 369.3664 g/mol

Search for scaffold

Include enumerated Markush structures

Offices
All

Reset Markush Search Substructure Search Exact Structure Search Evaluate

This search uses a manually-curated database where the structures are represented as chemical MOL files and the search uses a complex chemical matching algorithm.

You can specify the matching algorithm you want to be applied between your search structure and the Markush formulae indexed in the system:

- exact match
- substructure match
- fuzzy match

This more complex search technique takes longer and once the first illustrative results are displayed there is the option of a batch search in which your search will carry on in the background and your results will be available in your PATENTSCOPE account a while later.

Clicking on the “show more” link allows to search interactively for more matches for one more minute and the percentage of the indexed Markush structures that have been searched so far increases accordingly:

CHEMICAL COMPOUNDS SEARCH ▾

Convert structure

Upload structure

Structure editor

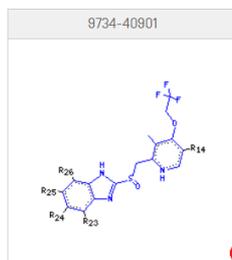
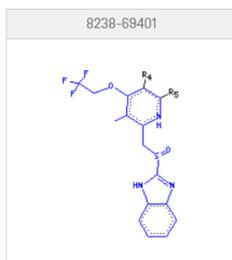
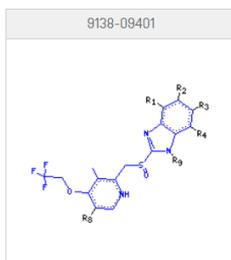
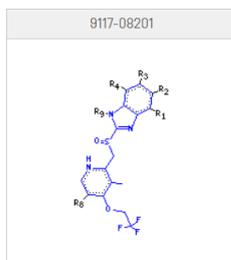
Found compounds

Found Markush Formulas

search results [4 hits found, 33.07% searched]

Sort by natural ▾

[1 of 1] << < > >> 1 24 ▾



Show more...

[1 of 1] << < > >> 1 24 ▾

Markush search results [4 hits found, 33.07% searched]

Offices
All

Reset

Clear all

Select all

Search

Batch

Markush structures are identified by their unique number, attributed by Clarivate Analytics (Here: 9117-08201, 9138-09401,...)

When you are satisfied with the found Markush structures (or have searched them all), the next step is to search for the corresponding patent documents. This is done by selecting the displayed Markush structures of interest up to a maximum of one thousand (you can click on the “select all” button if applicable) and then click on the “Search” button.

And finally you get the PATENTSCOPE results list:

WIPO IP PORTAL MENU PATENTSCOPE Covid-19 Update X HELP CHRISTOPHE MAZENC WIPO

Feedback Goto Search Browse Tools Settings

MN:(9117-08201*5 OR 9138-09401*5 OR 8238-69401*5 OR 9734-40901*5 OR null)

32 results Offices all Languages en Stemming true Single Family Member false Include NPL true

Sort: Pub Date Asc Per page: 10 View: All 1 / 4 Download Machine translation

- 0423748** COMPOSITION PHARMACEUTIQUE STABILISÉE ET SA PRÉPARATION. EP - 24.04.1991

Int.Class [A61K9/16](#) Appl.No 90119891 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor MAKINO TADASHI

The pharmaceutical composition of the invention, which comprises a benzimidazole compound of the formula wherein R<1> is hydrogen, alkyl, halogen, cyano, carboxy, carboalkoxy, carboalkoxyalkyl, carbamoyl, carbamoylalkyl, hydroxy, alkoxy, hydroxyalkyl, trifluoromethyl, acyl, carbamoyloxy, nitro, acyloxy, aryl, aryloxy, alkylthio or alkylsulfanyl, R<2> is hydrogen, alkyl, acyl, carboalkoxy, carbamoyl, alkylcarbamoyl, dialkylcarbamoyl, alkylcarbonylmethyl, alkoxycarbonylmethyl or alkylsulfonyl, R<3> and R<5> are the same or different and each is hydrogen, alkyl, alkoxy or alkoxyalkoxy, R<4> is hydrogen, alkyl, alkoxy which may optionally be fluorinated, or alkoxyalkoxy, and m is an integer of 0 through 4, and a basic inorganic salt of magnesium and/or a basic inorganic salt of calcium, is physically stable.
- 0446961** COMPOSITION PHARMACEUTIQUE STABILISÉE ET SA PRÉPARATION EP - 18.09.1991

Int.Class [A61K9/16](#) Appl.No 91105959 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor MAKINO TADASHI

The pharmaceutical composition of the invention, which comprises a benzimidazole compound of the formula wherein R<1> is hydrogen, alkyl, halogen, cyano, carboxy, carboalkoxy, carboalkoxyalkyl, carbamoyl, carbamoylalkyl, hydroxy, alkoxy, hydroxyalkyl, trifluoromethyl, acyl, carbamoyloxy, nitro, acyloxy, aryl, aryloxy, alkylthio or alkylsulfanyl, R<2> is hydrogen, alkyl, acyl, carboalkoxy, carbamoyl, alkylcarbamoyl, dialkylcarbamoyl, alkylcarbonylmethyl, alkoxycarbonylmethyl or alkylsulfonyl, R<3> and R<5> are the same or different and each is hydrogen, alkyl, alkoxy or alkoxyalkoxy, R<4> is hydrogen, alkyl, alkoxy which may optionally be fluorinated, or alkoxyalkoxy, and m is an integer of 0 through 4, and a basic inorganic salt of magnesium and/or a basic inorganic salt of calcium, is physically stable.
- 000003750431** STABILISIERTES ARZNEIMITTEL UND DESSEN HERSTELLUNG. DE - 22.12.1994

Int.Class [A61K31/44](#) Appl.No 3750431 Applicant TAKEDA CHEMICAL INDUSTRIES LTD Inventor HIRAI SHIN-ICHIRO
- 2118195** COMPOSITION PHARMACEUTIQUE CA - 16.04.1995

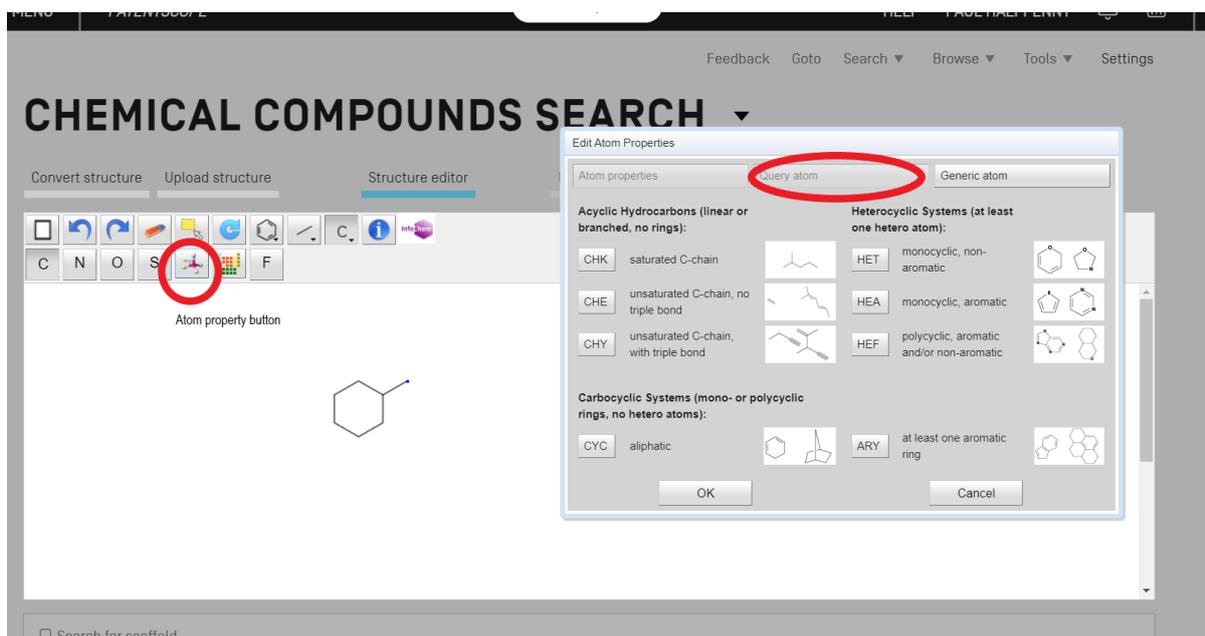
Int.Class [A61K31/44](#) Appl.No 2118195 Applicant Inventor TAKECHI, NOBUYUKI

Abstract of the Disclosure This invention comprises a pharmaceutical composition comprising a benzimidazole compound having antilulcer activity and a water-soluble carboxylic acid amide. According to this invention, a water-insoluble benzimidazole compound having antilulcer activity can be solubilized and a stable pharmaceutical composition can be provided. The solid pharmaceutical composition of this invention can be extemporaneously dissolved in sterile distilled water or an infusion [e.g. physiological saline, glucose infusion, etc.] and put to use as an injection with great convenience.

The MN search field also allows you to search directly if you already have one or more Clarivate Markush numbers to search.

Please note:

1. The search by matching structures implemented in PATENTSCOPE has a limitation in the sense that all repeating groups in the indexed Markush structures are standardized to one repetition ie. in a chemical structure with $-(CH_2)_n-$ only $n=1$ will be found. As a consequence, you may need to manually edit your searched structures if it contains similar repeating groups.
2. There is the capacity to define variable groups for your searched structure in the structure editor. This is achieved by using the pre-defined groups to change an atom properties by firstly drawing a skeleton, selecting the atom properties where you wish to place the pre-defined group using the highlighted button in the image below, selecting the query atom button where you have the choice of pre-defined groups to take the place of the selected atom:



Markush searching using the matching algorithms has the following advantages:

- Recall: all structures matching a given Markush structure can be searched (not only the 500 simplest ones as for the enumerated structures)
- Richness of what to search: Markush structures can not only be searched for exact compounds but also for compounds with specified variable groups
- Richness of how to search: three levels of matching algorithms are provided with increasing recall and decreasing precision: exact, substructure, fuzzy substructure which automatically introduces the variable groups as above in the query atom tab

And the following disadvantages:

- Very long response times
- Repeating groups not supported
- Complexity: chemical knowledge required to select the found Markush structures of interest

To conclude, when viewing the search result record details of a patent document, a new tab has been defined to display the associated Markush structures and enumerations:

1. EP0423748 - STABILIZED PHARMACEUTICAL COMPOSITION AND ITS PRODUCTION.



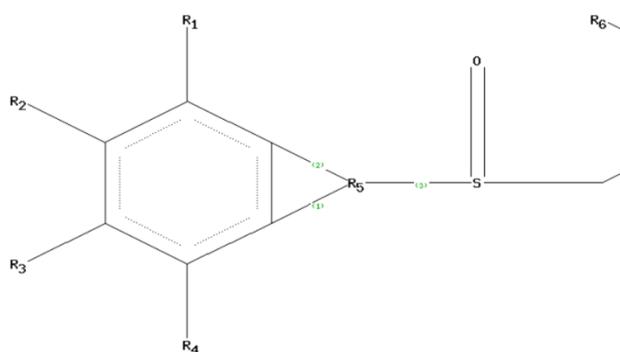
National Biblio. Data Description Claims Patent Family Compounds **Markush** Documents

PermaLink

Markush Nr.

Markush formula

9117-08201



1. EP0423748 - STABILIZED PHARMACEUTICAL COMPOSITION AND ITS PRODUCTION.



National Biblio. Data Description Claims Patent Family Compounds **Markush** Documents

PermaLink

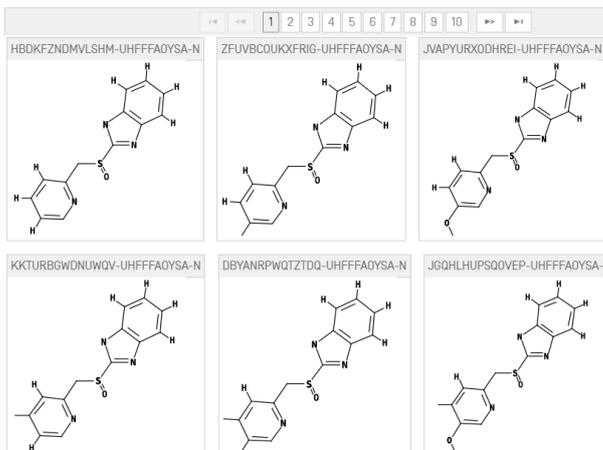
Markush Nr.

Markush formula

9117-08201

Enumerated compounds

Note: These structures have been created automatically. Please use the original Markush definition in the PDF version for legal matters



FAMILIES IN PATENTSCOPE

DEFINITION

PATENTSCOPE Patent Families denominate the grouping of different publications of the same invention by different authorities.

The PATENTSCOPE Patent Families include patent documents via the PCT route and the Paris route.

The PCT families are a subset of the PATENTSCOPE Patent Families. They include:

1. A PCT patent application (IC1);
2. Its national entries either
 - a. reported as national entries by the participating offices prior to their publication (IC2 or IC3) or
 - b. after publication as part of the of the bibliographic data, International Convention data other than Paris Convention (IC2); and
3. Its priority application if first and only priority (IC5);

The PCT families can further be enriched by adding:

4. US related documents of US patents already part of the PCT family such as the divisionals, continuations, reissues and republications of those publications. Continuations in part are not included; and finally
5. Any applications that have not followed the PCT route but share the same priorities as the members of the PCT family.

Further to this, the Paris route subset of the PATENTSCOPE Patent Families include:

1. All applications that share the same priorities and where there is no PCT application sharing those priorities (IC4); and
2. US related documents of the US patents already part of the PCT family such as the divisionals, continuations, reissues and republications of those publications. Continuations in part are not included (IC6);
3. The priority application if first and only priority;
4. National application related to another application of the same office already included in the family, such as divisionals, continuations, republications etc.

The IC (Inclusion Criteria) codes indicate which of the criteria listed above was first met and used to include the invention in the family. This does not mean that the criteria listed next to the invention it is the only criteria met. A national entry for example that is denoted as IC2 meets also IC4 because it shares the priorities with the PCT application and the other IC2 applications. This information can be found below the application date in the family tab of the patent document:

1. US20190007199 - METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS

National Biblio. Data Description Claims Drawings **Patent Family** Documents

PermaLink

US20180019867, EP0485602, CN109417483, WO/2018/012259, IN201817006258, US20190007199, SG11201900122W, US20200076577

Y Jun Jul Aug Sep Oct Nov Dec 2018 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2019

US20180019867 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 15211111 Applicant MasterCard International Incorporated Pub.Date 18.01.2018 Pub.Kind A1,B2 Pub.Lang

CN109417483 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 201780043007.3 Applicant MASTERCARD INTERNATIONAL INC Pub.Date 01.03.2019 Pub.Kind A Pub.Lang

EP3485602 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 17721381 Applicant MASTERCARD INTERNATIONAL INC Pub.Date 22.05.2019 Pub.Kind A1 Pub.Lang en

WO/2018/012259 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No PCT/US2017/038239 Applicant MASTERCARD INTERNATIONAL INCORPORATED Pub.Date 18.01.2018 Pub.Kind A Pub.Lang en

IN201817006258 METHOD AND SYSTEM FOR PARTIMETHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 201817006258 Applicant MASTERCARD INTERNATIONAL INCORPORATED Pub.Date 22.08.2018 Pub.Kind A Pub.Lang en

US20190007199 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 18123985 Applicant MASTERCARD INTERNATIONAL INCORPORATED Pub.Date 03.01.2019 Pub.Kind A1,B2 Pub.Lang

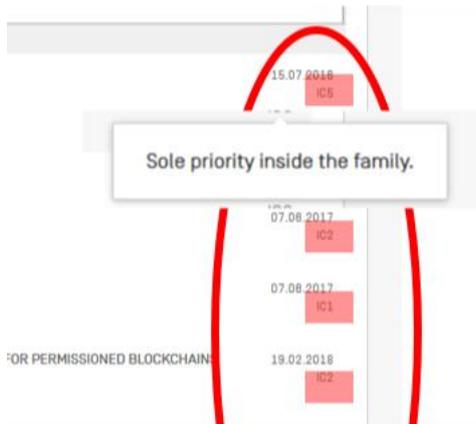
SG11201900122W
 Appl.No 11201900122W

US20200076577 METHOD AND SYSTEM FOR PARTITIONED BLOCKCHAINS AND ENHANCED PRIVACY FOR PERMITTED BLOCKCHAINS
 Appl.No 18874518 Applicant MASTERCARD INTERNATIONAL INCORPORATED Pub.Date 05.03.2020 Pub.Kind A1 Pub.Lang

IC CODES

Codes	Definition
IC1	A published PCT application from which family originated
IC2	A national entry of the published PCT application in PATENTSCOPE. If not visible in National Phase tab, taken from bibliographic data of national document
IC3	A national entry of the published PCT application not available in PATENTSCOPE
IC4	US application related to one of the other US application/s
IC5	Application is the only priority of the applications of this family
IC6	Connected by priority field
IC7	National application related to another application of the same national office already included in the family

When hovering the cursor over the code, a window will pop up with the definition of the code in question:



IC1: Published PCT application = origin of the family + information in the National Phase tab

PCT Biblio. Data	Description	Claims	Drawings	ISR/WOSA/A17(2)(a)	National Phase	Patent Family	Notices	Documents
Submit observation PermaLink								
US10618735	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							11.03.2019 IC5
KR1020200108752	국립 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법							17.05.2019 IC6
CN110826959	COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS							10.10.2019 IC1
US20200290808	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							03.03.2020
WO/2020/183372	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							10.03.2020 IC1
AU2020237658	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							10.03.2020 IC2
SG11202011425U	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							10.03.2020 IC2
MYPI 2020006242	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							10.03.2020 IC2
JP2020537697								03.07.2020 IC3
US20210039885	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES							28.10.2020 IC4

1. WO2020183372 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

PCT Biblio. Data Description Claims Drawings ISR/WOSA/A17(2)(a) **National Phase** Patent Family Notices Documents

Submit observation PermaLink

Available information on National Phase entries ([more information](#))

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

IC

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 16299403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang	11.03.2019 IC5
KR1020200108752 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang	17.05.2019 IC6
CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS Appl.No 201910980059.3 Applicant COUPANG CORP. Pub.Date 21.02.2020 Pub.Kind A Pub.Lang	10.10.2018 IC2
US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 16808060 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang	03.03.2020 IC2
WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en	10.03.2020 IC1
AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang	10.03.2020 IC2
SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang	10.03.2020 IC2
MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang	10.03.2020 IC2
JP2020537697 Appl.No 2020537697	03.07.2020 IC3
US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang	28.10.2020 IC4
EP2020769069 Appl.No 2020769069	21.12.2020 IC3

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769069	Published: 31.03.2021

Example of information available in the National Phase tab of PATENTSCOPE

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 16299403 Applicant COUPANG CORP. Pub.Date 14.04.2020 Pub.Kind B1 Pub.Lang	11.03.2019 IC5
KR1020200108752 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 Appl.No 1020190057672 Applicant 쿠팡 주식회사 Pub.Date 21.09.2020 Pub.Kind A Pub.Lang	17.05.2019 IC6
CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS Appl.No 201910980059.3 Applicant COUPANG CORP. Pub.Date 21.02.2020 Pub.Kind A Pub.Lang	10.10.2018 IC2
US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 16808060 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A1,B2 Pub.Lang	03.03.2020 IC2
WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No PCT/IB2020/052071 Applicant COUPANG CORP. Pub.Date 17.09.2020 Pub.Kind A Pub.Lang en	10.03.2020 IC1
AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 2020237658 Applicant Coupang Corp. Pub.Date 17.09.2020 Pub.Kind A,A1 Pub.Lang	10.03.2020 IC2
SG11202011425U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 11202011425U Applicant COUPANG CORP. Pub.Date 30.12.2020 Pub.Kind A1 Pub.Lang	10.03.2020 IC2
MYPI 2020006242 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No PI 2020006242 Applicant COUPANG CORP. Pub.Date 11.09.2020 Pub.Kind A Pub.Lang	10.03.2020 IC2
JP2020537697 Appl.No 2020537697	03.07.2020 IC3
US20210039885 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES Appl.No 17082214 Applicant Coupoang, Corp. Pub.Date 11.02.2021 Pub.Kind A1 Pub.Lang	28.10.2020 IC4
EP2020769069 Appl.No 2020769069	21.12.2020 IC3

1. CN110826959 - COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS

National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine tras

Offi: Chir 1. US20200290808 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

App 2018 National Biblio. Data Description Claims Drawings Patent Family Documents

App 10.10

PermaLink Machine translation ▼

Example of information taken from the bibliographic data.

For the Chinese, US and Malaysian documents, the “prior PCT field” in the bibliographic data was used. This “Prior PCT field” is a field not shown in the PATENTSCOPE interface. This information is available in the database provided by the offices and which complements the national phase information.

IC3: National entry of a published PCT application not found in PATENTSCOPE

1. W02020183372 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES

PCT Biblio. Data Description Claims Drawings ISR/WOSA/A17(2)[a] National Phase Patent Family Notices Documents

[Submit observation](#) [PermaLink](#)

Available information on National Phase entries [\[more information\]](#)

Office	Entry Date	National Number	National Status
Japan	03.07.2020	2020537697	
Australia	23.10.2020	2020237658	
Singapore	17.11.2020	11202011425U	
European Patent Office	21.12.2020	2020769068	Published: 31.03.2021

The patent documents in question are not available in PATENTSCOPE because these applications entered the national phase in the relevant offices but were not published yet at the time of the creation of the document.

IC4: US application related to one of the US applications already included in the family as either a divisional, continuation, reissue or republication. Continuations-in-part are not included

CN107368259 METHOD AND DEVICE FOR WRITING BUSINESS DATA IN BLOCK CHAIN SYSTEM	25.05.2017
Appl.No 201710379983.8 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 21.11.2017 Pub.Kind A,B Pub.Lang	IC5
SG11201909249D METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	23.05.2018
Appl.No 11201909249Q Applicant Alibaba Group Holding Limited Pub.Date 28.11.2019 Pub.Kind A1 Pub.Lang	IC2
KR102019013605S 서비스 데이터를 블록체인 시스템에 기입하기 위한 방법 및 디바이스	23.05.2018
Appl.No 10201907032391 Applicant 알리바바 그룹 홀딩 리미티드 Pub.Date 09.12.2019 Pub.Kind A Pub.Lang	IC2
EP3591510 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	23.05.2018
Appl.No 18805039 Applicant ADVANCED NEW TECHNOLOGIES CO LTD Pub.Date 08.01.2020 Pub.Kind A1,A4,B1,B8 Pub.Lang en	IC2
VN1201905514 PHƯƠNG PHÁP VÀ THIẾT BỊ ĐỂ GHI DỮ LIỆU DỊCH VỤ TRONG HỆ THỐNG CHUỖI KHỎI	23.05.2018
Appl.No 1201905514 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 30.01.2020 Pub.Kind A Pub.Lang	IC2
JP2020521254 サービス・データをブロックチェーン・システムに書き込むための方法およびデバイス	23.05.2018
Appl.No 2019565191 Applicant アリババ・グループ・ホールディング・リミテッド Pub.Date 16.07.2020 Pub.Kind A Pub.Lang ja	IC2
WO/2018/214898 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	23.05.2018
Appl.No PCT/CN2018/087968 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2018 Pub.Kind A Pub.Lang zh	IC1
MYPI 2019005762 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	23.05.2018
Appl.No PI 2019005762 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 25.11.2018 Pub.Kind A Pub.Lang	IC6
US20200019545 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	26.09.2019
Appl.No 18584579 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 16.01.2020 Pub.Kind A1 Pub.Lang	IC4
IN201947040213 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	04.10.2019
Appl.No 201947040213 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 29.11.2019 Pub.Kind A Pub.Lang en	IC2
US20200167344 METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM	28.01.2020
Appl.No 16775116 Applicant ALIBABA GROUP HOLDING LIMITED Pub.Date 28.05.2020 Pub.Kind A1,B2 Pub.Lang	IC4

The relationship between the members of the family can be viewed in the *Description* tab or in the XML available in the *Documents* tab:

1. US20200167344 - METHOD AND DEVICE FOR WRITING SERVICE DATA IN BLOCK CHAIN SYSTEM

National Biblio. Data **Description** Claims Drawings Patent Family Documents

PermaLink Machine translation ▼

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

[EN]

CROSS REFERENCE TO RELATED APPLICATIONS

____ The present application is a continuation application of U.S. patent application Ser. No. 16/594,579, filed on Sep. 26, 2019, and titled "Method and Device for Writing Service Data in Block Chain System," which is a continuation application of the International Patent Application No. PCT/CN2018/087968, filed on May 23, 2018, and titled "Method and Device for Writing Service Data in Block Chain System," which claims priority to Chinese Patent Application No. 201710379983.8 filed on May 25, 2017. The entire contents of all of the above applications are incorporated herein by reference in their entirety.

TECHNICAL FIELD

____ The present application relates to the field of computer technologies, and in particular, to a method and device for writing transaction data in a blockchain system.

BACKGROUND

____ With the development of computer technologies, blockchain technologies [also referred to as distributed ledger network] have been extensively used, due to advantages such as decentralization, openness and transparency, immutability, and trustworthiness, in various fields, such as smart contracts, securities transactions, e-commerce, Internet of Things, social communications, document storage, existence proof, identity verification, and equity crowd-funding.

____ When a transaction system is implemented based on blockchain technologies, the transaction system (which may also be referred to as a blockchain system as the system is implemented using blockchain technology) needs to write transaction data in a blockchain. When the blockchain system receives transaction data to be added to a blockchain (which may also be referred to as a transaction in blockchain technologies), the blockchain system chronologically executes these transactions using a first-in first-out sequence, thereby completing operations such as transaction verification, implementation, writing data into blockchain, etc.

____ In current technologies, to fully and reasonably use computation resources of a blockchain system, the blockchain system may comprise many different types of transactions and equally treat these different types of transaction data chronologically. In some cases, however, the manner in which transactions are executed chronologically is unable to meet application demand. For example, when various types of information having different confidentiality levels are processed, the blockchain system may receive transactions for processing information of different confidentiality levels. At this point, the information of different confidentiality levels may need to be isolated to prevent leaking information of a higher confidentiality level from and to ensure the information security. Therefore, when a special control needs to be performed on a transaction, the manner of writing blockchain transaction data in current technologies is unable to meet the application demand.

____ Therefore, there is an urgent need for a method for writing transaction data that can meet transaction processing needs for different types of transaction data in a blockchain system having various types of transaction data.

FAMILY INFORMATION ACCESS

Example of the XML available in the *Documents* tab in PATENTSCOPE:

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  </continuation>
</us-related-documents>
  
```

IC5: the app

ie family

The screenshot displays the PatentSCOPE interface for a patent family. At the top, there are tabs for PCT Biblio. Data, Description, Claims, Drawings, ISR/WOSA/A17(2)(a), National Phase, Patent Family, Notices, and Documents. The 'Patent Family' tab is active, showing a timeline from 2018 to 2021 with various patent entries. A yellow box highlights the entry for US10618735. Below the timeline, a table lists the documents in the family, including their application numbers, descriptions, and publication dates.

Doc No.	Description	Pub. Date	Pub. Kind	Pub. Lang	IC#
US10618735	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	14.04.2020	B1	Lang	IC5
KR1020200108752	곡업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법	21.09.2020	A	Lang	IC8
CN110826958	COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS	21.02.2020	A	Lang	IC2
US20200290808	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	17.09.2020	A1,B2	Lang	IC2
WO/2020/183372	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	17.09.2020	A	en	IC1
AU2020027858	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	17.09.2020	A,1	Lang	IC2
SG11202011425U	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	30.12.2020	A1	Lang	IC2
MYPI 2020006242	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	11.09.2020	A	Lang	IC2
JP2020537897		09.07.2020			IC3
US20210039885	COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES	11.02.2021	A1	Lang	IC4
EP2020769069		21.12.2020			IC3

IC6: applications included in the family based on matching priorities

PCT Biblio. Data Description Claims Drawings ISR/WOSA/A(T)(Z)(a) National Phase Patent Family Notices Documents

Submit observation PermaLink

US10618735 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES 11.03.2019

KR10200108752 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법 17.05.2019 IC3

CN110826959 COMPUTERIZED SYSTEM AND METHOD FOR ASSISTED SORTING PROCESS 10.10.2019 IC2

US20200290808 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES 09.03.2020 IC2

WO/2020/183372 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES 10.03.2020 IC1

AU2020237658 COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES 10.03.2020 IC2

S611202011426U COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING PROCESSES 10.03.2020 IC2

MYPI 2020008242 10.03.2020 IC2

JP2020537697 09.07.2020 IC3

US2020038885 28.10.2020 IC4

EP2020789069 21.12.2020 IC3

1. KR10200108752 - 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법

National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation

Office
Republic of Korea

Title
[KO] 픽업 프로세스를 보조하기 위한 컴퓨터화된 시스템 및 방법

Application Number
1020190057672

Application Date
17.05.2019

Publication Number
1020200108752

Publication Date
21.09.2020

Publication Kind
A

IPC
G06Q 10/08 G06Q 10/10

CPC
G06Q 10/087 G06Q 10/083 G06Q 10/103

Applicants
쿠링 주식회사

Inventors
오정석
김지은
전진근
임상준
김중

Abstract
[KO] 본 개시물의 실시예들은 적어도 하나의 프로세서와 명령어들을 저장하는 메모리를 포함하는 컴퓨터 구현 시스템을 포함한다. 한 실시예에서는, 시스템이 배치 식별자를 수신하고, 컨테이너의 개수를 결정하고, 컨테이너의 개수를 사용자 디바이스로 전송하고, 그리고 사용자 디바이스로부터 제1 컨테이너 식별자를 수신한다. 시스템은 제1 아이템의 위치 식별자를 검색하고, 위치 식별자를 사용자 디바이스로 전송하고, 그리고 사용자 디바이스로부터 물리적 위치 식별자를 수신한다. 시스템은 물리적 위치 식별자가 위치 식별자와 매칭될 때 제1 아이템을 사용자 디바이스로 전송한다. 시스템은 제1 아이템의 물리적 위치 식별자를 수신하고 컨테이너를 가져갈 목적지를 사용자 디바이스로 전송한다.

Also published as
US10618735 CN110826959 US20200280808 WO/2020/183372 AU2020237658 S611202011426U MYPI 2020008242 JP2020537697 US2020038885 EP2020789069

Priority Data
18238403 11.03.2019 US

1. CN110826959 - COMPUTERIZED SYSTEM AND METHOD FOR AS

National Biblio. Data Description Claims Drawings Patent Family Documents

Office
China

Application Number
201910380058.3

Application Date
10.10.2019

1. AU2020237658 - COMPUTERIZED SYSTEMS AND METHODS FOR ASSISTED PICKING

National Biblio. Data Description Claims Drawings Patent Family Documents

Office
Australia

Title
[EN] Computerized systems and methods for assisted picking processes



IC7: a national application related to another application of the same national office already included in the family. It indicates the relationships such as divisionals, republications, reissues etc. It can be considered as the equivalent of IC4 for other national offices than the USPTO.

1. NZ598255 - PASTURE DRAIN FORMING APPARATUS

National Biblio. Data Patent Family Documents

PermaLink

NZ594073							NZ598255
il	Aug	Sep	Oct	Nov	Dec	Jan 2012	Feb
2011							

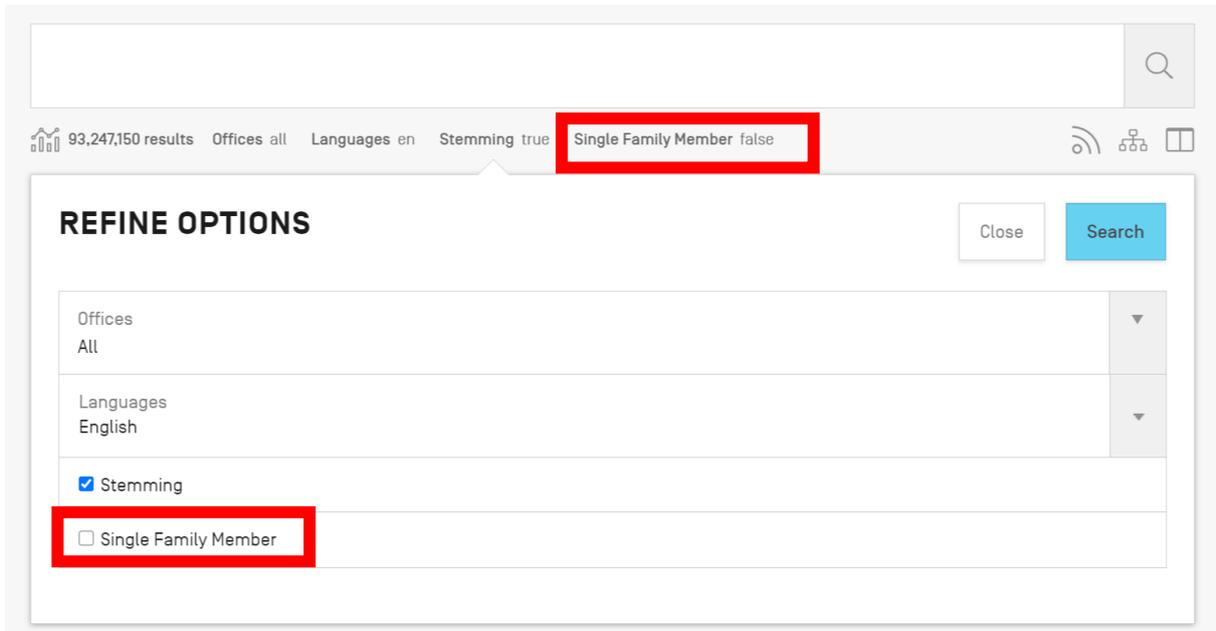
NZ594073 PASTURE DRAIN FORMING APPARATUS
App.No 594073 Applicant Peter Sutherland Pub.Date 27.04.2012 Pub.Kind B Pub.Lang en 14.07.2011 IC7

NZ598255 PASTURE DRAIN FORMING APPARATUS
App.No 598255 Applicant PETER SUTHERLAND Pub.Date 17.05.2013 Pub.Kind A Pub.Lang en 18.02.2012 IC7

GROUP RESULTS BY FAMILIES

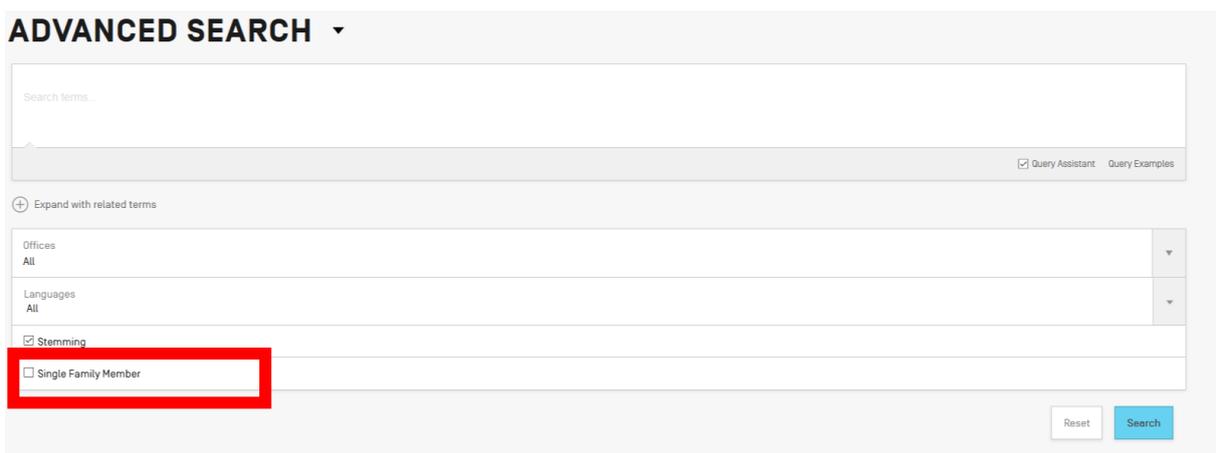
To use the “Single Family Member” option, go to:

- 1) The result list (also when using the Simple search interface) to select the option *Single Family Member* to open the *Refine Options*:



The screenshot shows a search interface with a search bar at the top. Below the search bar, there is a navigation bar with the following text: "93,247,150 results", "Offices all", "Languages en", "Stemming true", and "Single Family Member false". The "Single Family Member false" text is highlighted with a red box. Below the navigation bar, there is a "REFINE OPTIONS" dialog box. The dialog box has a "Close" button and a "Search" button. It contains three sections: "Offices" with a dropdown menu set to "All", "Languages" with a dropdown menu set to "English", and "Stemming" with a checked checkbox. Below the "Stemming" section, there is a checkbox for "Single Family Member" which is highlighted with a red box.

- 2) The Advanced Search offers the option to select the *Single Family Member* option before the search:



The screenshot shows the "ADVANCED SEARCH" interface. It has a search bar with the placeholder text "Search terms...". Below the search bar, there is a "Query Assistant" and "Query Examples" link. Below the search bar, there is a "Expand with related terms" link. Below the "Expand with related terms" link, there are three sections: "Offices" with a dropdown menu set to "All", "Languages" with a dropdown menu set to "All", and "Stemming" with a checked checkbox. Below the "Stemming" section, there is a checkbox for "Single Family Member" which is highlighted with a red box. At the bottom right of the interface, there are "Reset" and "Search" buttons.

- 3) The Field Combination offers the option to select families before the search:

FIELD COMBINATION ▾

	Field Front Page	▼	Value	?
Operator AND	Field WIPO Publication Number	▼	Value	?
Operator AND	Field Application Number	▼	Value	?
Operator AND	Field Publication Date	▼	Value	?
Operator AND	Field Abstract	▼	Value	?
Operator AND	Field Abstract	▼	Is Empty: N/A	▼
Operator AND	Field Licensing availability	▼	<input type="checkbox"/>	

+ Add another search field - Reset search fields

Offices All	▼
Languages All	▼
<input type="checkbox"/> Single Family Member	

Reset Search

THE COOPERATIVE PATENT CLASSIFICATION

The Cooperative Patent Classification (CPC) system, in force as of 1 January 2013, is a bilateral system that jointly developed by the EPO and the USPTO. It combines the best classification practices of the two offices.

In PATENTSCOPE, the CPC values are imported from DocDB and national offices as follows:

- 59 National offices+PCT: gathered regularly from DocDb and the national offices. PATENTSCPE contains, at the time of writing this Guide, more than 290 million of CPC entries, which correspond to more than 51 million of distinct filings.
- Daily updates

IP5 N. of distinct filings classified under CPC classification	
US	11,538,100
CN	8,875,231
JP	5,337,705
EP	3,777,520
KR	2,058,568

CPC statistics as of February 2020

SEARCH FIELDS

2 search fields are available: CPC, Classif. Classif. is the combination of CPC and IPC.

In the example below, the query: CPC:(Y02A*) returns almost 550,000 results, which are grouped by family.

CPC:(Y02A*)

549,698 results Offices all Languages all Stemming true Single Family Member false Include NPL false

ANALYSIS Close

Filters Charts Timeseries

Countries	Offices	Applicants	Inventors	IPC code	Publication Dates	Kind code
China 208,018	China 217,075	DOW AGROSCIENCES LLC 1,288	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED 1,295	A61K 95,890	2012 21,828	A 215,829
Japan 95,319	Japan 87,447	PIONEER HI-BRED INTERNATIONAL INC 1,208	WANG WEI 477	A01G 90,307	2013 22,642	U 90,097
United States of America 41,872	United States of America 54,889	MONSANTO TECH LLC 1,170	LI WEI 489	B01D 53,928	2014 25,285	A1 50,918
PCT 40,754	PCT 40,754	GLAXOSMITHKLINE BIOLOGICALS SA 1,098	BEVEC, DORIAN 422	A61P 49,241	2015 27,300	B2 49,473
European Patent Office 32,183	European Patent Office 35,525	NOVARTIS AG 1,029	BACHER, GERALD 420	A01K 47,857	2016 34,312	B 43,099
Germany 21,250	Canada 24,170	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 973	CAVALLI, FABIO 418	C12N 44,807	2017 42,280	B1 32,828
Australia 18,584	Germany 23,878	HITACHI LTD 951	CAVALLI, VERA 418	C02F 97,974	2018 48,189	C 11,022
Canada 18,007	Australia 18,739	MITSUBISHI HEAVY IND LTD 889	LIU WEI 408	C07K 38,347	2019 40,817	T3 9,388
France 9,949	France 9,949	TOYOTA MOTOR CO 841	ZHANG WEI 405	C05F 25,455	2020 21,642	Y 8,009
Spain 9,150	Spain 9,190	GENENTECH INC 751	WANG LEI 402	F01N 24,478	2021 1,079	A2 8,802

Sort: Relevance Per page: 100 View: All-Image < 1 / 5,497 > Download Machine translation

1. **142569** MAIZE KIN17 ORTHOLOGUES AND USES THEREOF
 Int.Class Appl.No 142569 Applicant PIONEER HI-BRED INTERNATIONAL, INC. Inventor

IL - 10.03.2002

NO IMAGE AVAILABLE

To search for CPC information, go to the Field Combination and select *All Classifications* (combination of IPC and CPC) from the drop-down menus

FIELD COMBINATION ▾

		Field Front Page	▼	Value	?
Operator AND	▼	Field All Classifications	▼	Value	?
Operator AND	▼	Field Cooperative Patent Class	▼	Value	?
Operator AND	▼	Field Publication Date	▼	Value	?

Those fields can also be found in the Advanced Search: just start typing *class* and the matching fields will appear below:

ADVANCED SEARCH ▾

Please enter a valid field... [or use UP/DOWN keys, and TAB or ENTER to select]

clas

- All Classifications
- Cooperative Patent Classification
- International Class
- International Class Inventive
- International Class N-Inventive
- Main International Class

THE BROWSE MENU



Feedback Search Browse Tools Settings

SIMPLE SEARCH

Using PATENTSCOPE you can search 95 million patent documents including 4.0 million published international patent applications [PCT].
 PCT publication 12/2021 [25.03.2021] is now available [here](#). The next PCT publication 13/2021 is scheduled for 01.04.2021. [More](#)
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[New Search Facility to Support COVID-19 Innovation Efforts](#)

Field Front Page Search terms...

Query Examples

- Browse by Week (PCT)
- Gazette Archive
- Sequence listing
- National Phase Entries**
 - National Phase Entries Full download
 - National Phase Entries Incremental download (last 7 days)
- Authority File**
 - Authority File Download Standard ST37
 - Authority File Download current year
 - Authority File Download All

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.

BROWSE BY WEEK [PCT]

Gazette
37/2019 [12.09.2019]

Excel Download | IPC Statistics

Results 1 - 200 of 4584

Title	Kind	Appl.No	IPC	Applicant
1. WO/2019/173151 SMART BLADE TECHNOLOGY TO CONTROL BLADE INSTABILITY	Initial Publication with ISR[A1]	US2019...	A61B 17/32	ETHICON LLC
2. WO/2019/173154 (METH)ACRYLATE COPOLYMER COMPOSITIONS AND USE THEREOF AS POUR POINT DEPRESSANTS FOR CRUDE OIL	Initial Publication with ISR[A1]	US2019...	C10M 145/14	ROHM AND HAAS COMPANY
3. WO/2019/173157 CONDUCTIVELY-COOLED SLAB	Initial Publication	US2019...	H01S	COHERENT, INC.

Use the arrow of the drop-down menu to select a PCT publication week.

Gazette
37/2019 [12.09.2019]

The result list can be downloaded using the Excel download button and IPC statistics can be accessed:

Gazette
37/2019 (12.09.2019)

Excel Download | IPC Statistics

IPC statistics available in PATENTSOCPPE provide a picture of the global trends in PCT applications. For example, it can show who the main and/or new main actors are etc. It takes into account applications that have IPC codes. Out of 3000 published applications, about 100 do not have any IPC code.

IPC STATISTICS

Columns

Chart	IPC Code \downarrow	26.12.2019 \downarrow	02.01.2020 \downarrow	09.01.2020 \downarrow	16.01.2020 \downarrow	23.01.2020 \downarrow	Σ Last 5 gazettes \downarrow	Δ Last gazette \downarrow	Breakout \downarrow
<input type="checkbox"/>	A61P 35/00 ?	78	63	44	58	50	293	-8	-10.75
<input type="checkbox"/>	A61B 5/00 ?	42	53	28	35	43	201	+8	+3.50
<input type="checkbox"/>	G06K 9/00 ?	32	42	37	25	40	176	+15	+6.00
<input type="checkbox"/>	H04W 72/04 ?	50	50	35	35	39	209	+4	-3.50
<input type="checkbox"/>	H04L 29/06 ?	49	101	33	45	36	264	-9	-21.00
<input type="checkbox"/>	H04N 5/232 ?	18	20	11	18	25	111	+17	+16.00

The column Σ last 5 gazettes shows the number of occurrences of a code in the last 5 gazettes.
 The column Δ shows the increase/decrease in the last gazette.
 Breakout a major difference in the use of a code in the last 5 gazettes.

Each column is sortable. A tooltip pops up on the individual gazette columns to indicate the delta with the previous week.

You can select more than one code to be display in the graphic at the bottom of the page that displays the values for the last 13 weeks (3 month).
 There is the *chart* option to have the information in a graph format.

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Year
2019

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Download	Publication Date	Count	
01/2019	03.01.2019	6,730	View
02/2019	10.01.2019	4,191	View
03/2019	17.01.2019	4,385	View

PCT PUBLICATIONS - GAZETTES ARCHIVE - 2020

Gazette
01/2020

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Filter all columns:

Results 1 - 200 of 6758

1 2 3 4 5 6 7 8 9 10

WO Number	Title	Kind	Appl....	IPC	Applicant	
1. WO/2020/001477	DUAL-PROTOCOL FOR MOBILITY ENHANCEMENT	Initial Publi... with ISR [A1]	CN20...	H04...	MEDIATEK SINGAPORE PTE. LTD.	Vi...
2. WO/2020/001480	METHOD AND SYSTEM FOR PACKAGING TILES BY GRADE	Initial Publi... with ISR [A1]	CN20...	G06...	KEDA CLEAN ENERGY CO., LTD	Vi...

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Sequence Listing gives access to the lists of nucleotide and or amino acid sequence listings contained in published PCT applications. Use the 2 drop-down menus shown below to select the year and publication week.

SEARCH SEQUENCE LISTINGS

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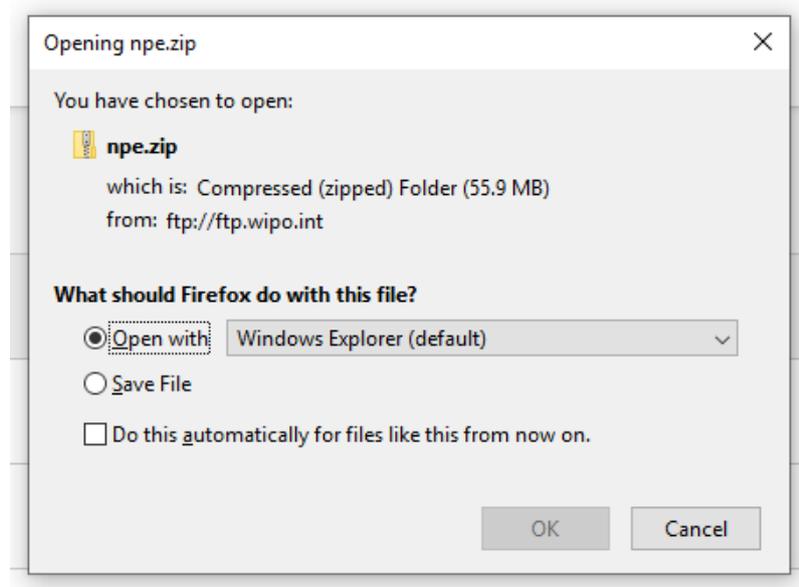
Published Nucleotide and/or Amino Acid Sequence Listings Contained in Published PCT Applications [WinZIP 8.0]

Year: 2019 ▼ Publication Week: September 12, 2019 ▼ Publication Date:

WoNumber	Size	Download	Applicant
W019/169448	5 KBs	SL1.zip	ST VINCENT'S INSTITUTE OF MEDICAL RESEARCH
W019/169504	0 KBs	SL1.zip	POLYAMYNA NANOTECH INC.
W019/169625	2 KBs	SL1.zip	BIOCENTURY TRANSGENE (CHINA) CO., LTD
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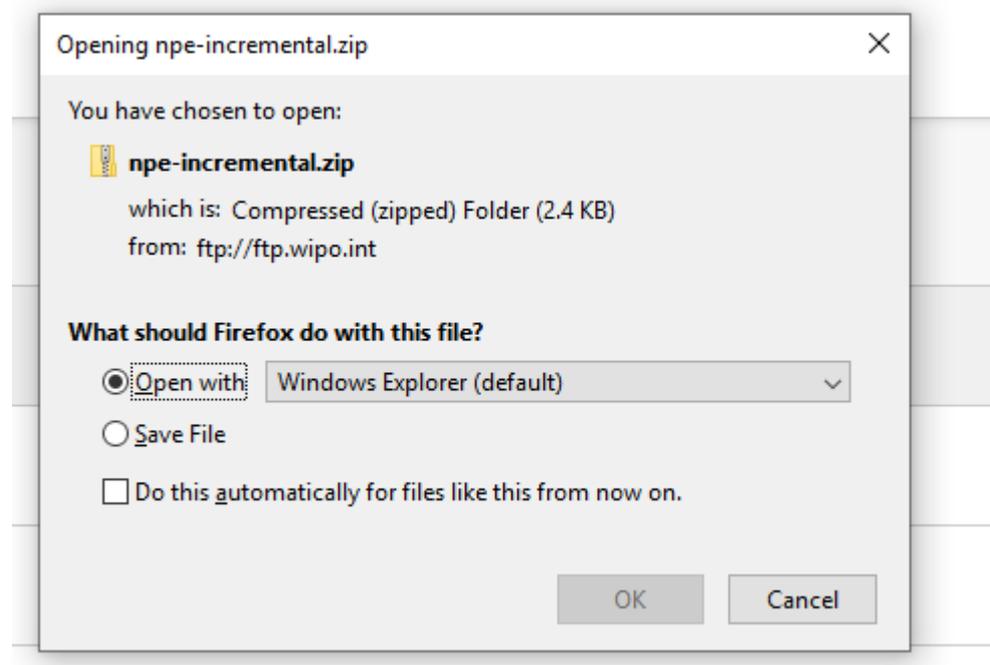
NATIONAL PHASE ENTRIES FULL DOWNLOAD

Here you can download all the national phase entries available at the time of the download.



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AUTHORITY FILE DOWNLOAD STANDARD ST37

Download the official PCT applications of the current year.

AUTHORITY FILE DOWNLOAD CURRENT YEAR

Download option of the official PCT publications of the current year.

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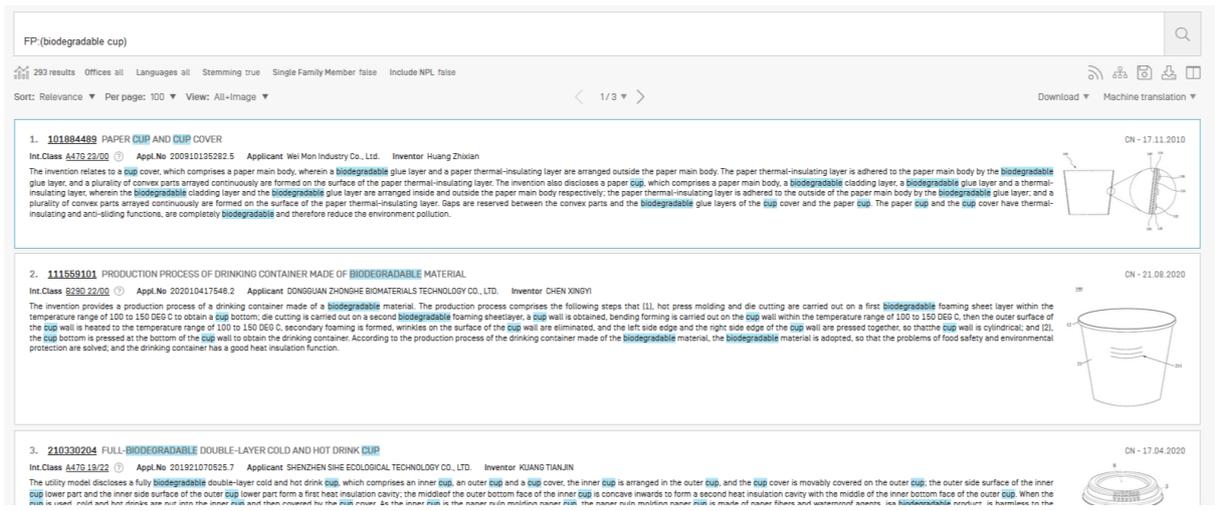
Download option of all the official PCT publications since 1978.

SEARCH RESULTS

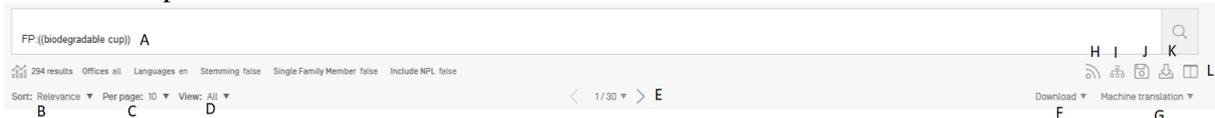
DISPLAY OF THE SEARCH RESULTS

The search query, whether you performed a SIMPLE; ADVANCED; FIELD COMBINATION, CLIR or CHEMICAL COMPOUNDS search, will return a list of results in a window as shown below.

It provides bibliographic data with search terms highlighted and allows accessing of detailed records by clicking on publication number and title.

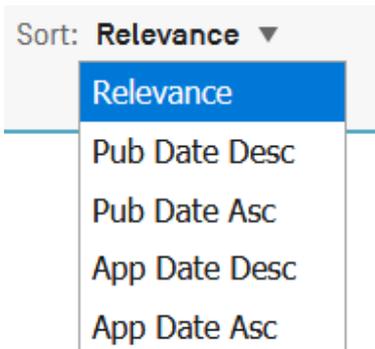


The first component of this window:



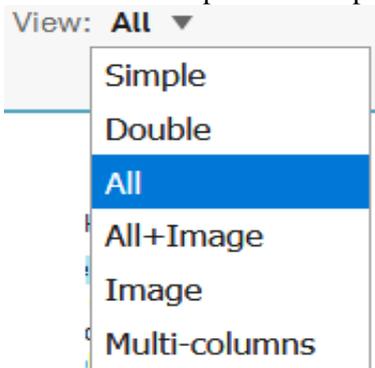
A Refine Search button allows you to refine your search

B Sort result button: by relevance or other criterias



C Define the number of results per page: The list length option allows you to increase the number of displayed results per page (10 by default) to up to 200.

D Select the preferred display of the results



The view option allows you to select the components displayed in the result list: *simple*, *double*, *all*, *all+image*, *image* and *multi-columns*. *Simple* displays only the number, the title, the collection and the

publication date; *Double* the simple display and the applicant and inventor names, the IPC code; *Image* will display only images, *Multi-columns* will display the different language version of the abstract available, Images can be also made visible for example

E Buttons to move through the result list

F Download button to download the result list (for logged-in users)



G Machine translation button to translate the result page in different languages



H RSS notifications for the search query to monitor patenting activity and updates in area of interest

I Query tree shows the breakdown of the results

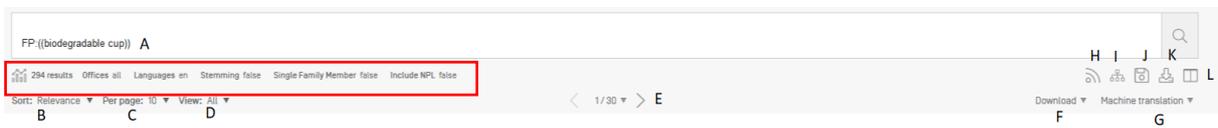
QUERY TREE

```
+(+FP:biodegradable +FP:cup) +(GN:paper PAA:paper INA:paper RPA:paper ICS:paper AN:paper WO:paper PN:paper EN_TI:paper EN_AB:paper EN_CL:paper EN_DE:paper) --> 151
+FP:biodegradable +FP:cup --> 294
FP:biodegradable --> 59033
FP:cup --> 317970
GN:paper PAA:paper INA:paper RPA:paper ICS:paper AN:paper WO:paper PN:paper EN_TI:paper EN_AB:paper EN_CL:paper EN_DE:paper --> 2750262
GN:paper --> 0
PAA:paper --> 96716
INA:paper --> 562
RPA:paper --> 1751
ICS:paper --> 0
AN:paper --> 0
WO:paper --> 0
PN:paper --> 0
```

J Save query button for logged-in users

K Summary of the documents selected for download

L Side-by-side view: displays the result list next to one document opened



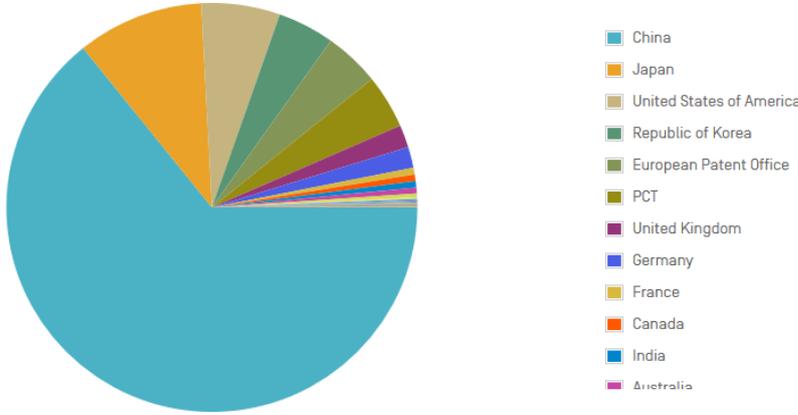
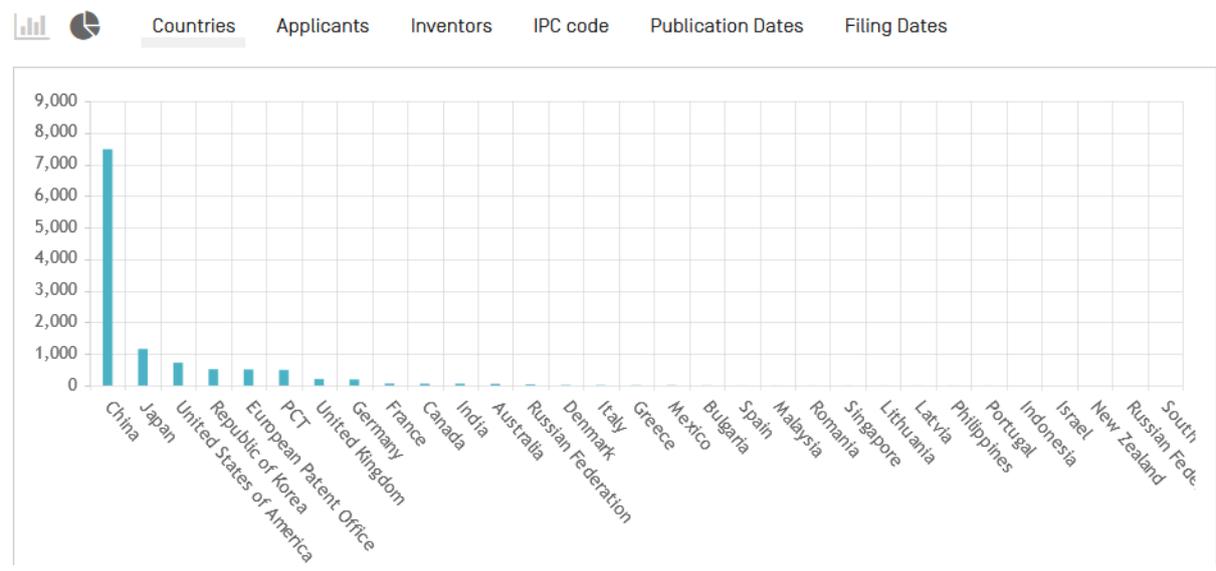
- The graph button gives access to statistics

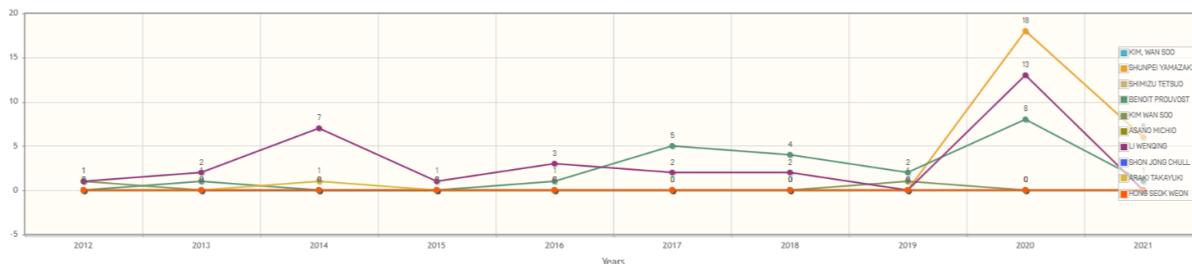
ANALYSIS Close

Filters Charts Timeseries

Offices	Applicants	Inventors	IPC code	CPC code	Publication Dates	Kind code							
China	25,585,818	SAMSUNG ELECTRONICS CO LTD	451,248	THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED	117,281	G06F	4,135,393	a61p 43/00	527,118	2012	2,676,509	A	38,051,743
Japan	18,897,175	SIEMENS AG	329,890	WANG WEI	55,476	A61K	3,742,588	a61p 35/00	487,805	2013	2,983,285	U	18,030,488
United States of America	14,543,440	SONY CO	298,943	ZHANG WEI	48,858	H01L	3,091,084	y02e 60/00	458,479	2014	3,138,298	B2	8,848,180
Germany	6,210,304	HITACHI LTD	238,254	LI WEI	40,700	G03N	2,282,238	a61p 29/00	211,121	2015	3,240,774	A1	8,843,292
Republic of Korea	5,013,877	LG ELECTRONICS INC	230,338	WANG LEI	37,428	H04N	2,093,803	a61k	299,283	2016	3,704,438	B1	7,218,876
European Patent Office	4,180,143	CANON INC	222,398	LIU WEI	28,289	H04L	1,954,305	a61p 25/00	288,872	2017	4,081,054	B	5,419,431
PCT	4,010,841	MATSUSHITA ELECTRIC IND CO LTD	211,855	ZHANG LEI	25,873	A61P	1,781,707	g09f	251,847	2018	4,823,812	Y	1,445,558
Canada	2,741,211	INTERNATIONAL BUSINESS MACHINES CO	207,141	LI JUN	20,482	C07D	1,711,818	h04i	227,738	2019	4,898,522	C	1,285,823
France	2,472,924	MITSUBISHI ELECTRIC CO	205,998	LIU YANG	23,422	A61B	1,579,559	a61p	227,499	2020	5,596,881	U1	970,485
United Kingdom	2,482,715	TOSHIBA CO	184,955			B65D	1,552,482	a61p 9/00	217,313	2021	1,078,888	C2	712,588

Filters show the statistics in a table format; Charts show the same information in a graph format, either bar or pie and Timeseries show the statistics over time.





The charts can be saved in GIF format for inclusion in documents or reports by right clicking in a corner of the image and selecting “Copy image” or “Save image”.



The filters and number of items can be customized in the *Settings* menu, in the *Result* tab

SETTINGS [Reset] [Close] [Save]

Query [Office] **Result** [Download] [Interface] [Others]

Result List Language
Query Language

Analysis tab open

Analysis type: **Table**

Analysis graph: **Pie**

No of Items/Group: **10**

Group by *

- Countries
- Offices
- Applicants
- Inventors
- IPC code
- CPC code
- Publication Dates
- Filing Dates
- Kind code

Click on Offices or Languages or Stemming or Single Family Member or Include NPL to open Refine Options to define the collections (Offices); Language (of search); Stemming active or inactive, the grouping of the results by family and the inclusion of non-patent literature in the result list:

REFINE OPTIONS [Close] [Search]

Offices: **All**

Languages: **All**

Stemming

Single Family Member

Include NPL

READING THE RESULT PAGE

PCT Biblio. Data Description Claims Drawings ISR/WOSA/A17[2][a] National Phase Notices Documents

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Publication Number
WO/2018/130999

Publication Date
19.07.2018

International Application No.
PCT/IB2018/050237

International Filing Date
15.01.2018

IPC ⓘ

B82M 6/55 [2010.01]	B82M 6/90 [2010.01]
B82J 6/00 [2006.01]	B82J 8/02 [2006.01]
B82J 6/04 [2006.01]	B82J 15/02 [2006.01]

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CPC

B82J 11/00	B82J 15/02	B82J 45/00
B82J 6/015	B82J 8/02	B82J 8/04

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Applicants
EURORAD DEUTSCHLAND GMBH [DE/DE];
Longericher Str. 2 50739 Köln, DE

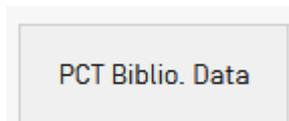
Inventors
MÜHLE, Sören; DE
DE PONTE, Alexander; DE

Agents
ALTHAUS, Arndt; DE

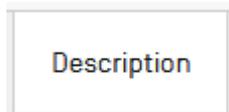
Title
[EN] BICYCLE FRAME, IN PARTICULAR FOR [ELECTRIC BICYCLES](#), [ELECTRIC BICYCLE](#) AND MOBILE LIGHTING DEVICE AND ADAPTER PARTS FOR BICYCLE ACCESSORIES
[FR] CADRE DE BICYCLETTE, EN PARTICULIER POUR BICYCLETTES ÉLECTRIQUES, BICYCLETTE ÉLECTRIQUE, DISPOSITIF D'ÉCLAIRAGE MOBILE ET PARTIES D'ADAPTEUR POUR ACCESSOIRES DE BICYCLETTE

Abstract
[EN]
The invention relates a.o. to a bicycle frame 1 comprising frame struts 2, 3, 4, 5, an electric motor 11, one compartment for a power supply unit 9 and multiple supply cables for a front light 70 and a rear light 80 which are fastened by a multiple-part adapter arrangement with a bicycle-side adapter part and a lighting device-side adapter part. The invention offers a new lighting concept for all kind of bikes with detachable front and rear lights by use of two adapter parts being each provided with one closure part of a multiple-part closure device, which closure parts are attachable and mechanically latchable together by means of a closing motion, wherein the closure parts each comprise at least one magnet element or magnet counter-element

The tabs



- **PCT Biblio. Data**: Refers generally to the various data appearing on the front page of a patent document or the corresponding applications and may comprise document identification data, domestic filing data, priority data, publication data, classification data, and other concise data relating to the technical content of the document;



- **Description**: Clear and concise explanation of known existing technologies related to the new invention and explanation of how this invention could be applied to solve problems not addressed by the existing technologies; specific embodiments of the new technology are also usually given. Integrated machine translation tools allow translation of the document.



- **Claims**: Legal definition of the subject matter which the applicant regards as his invention and for which protection is sought or granted; each claim is a single sentence in a

legalistic form that defines an invention and its unique technical features; claims must be clear and concise and fully supported by the description. Integrated machine translation tools allow translation of the document.

Drawings

- : gives direct access to the drawings of a patent document

ISR/WOSA/A17[2][a]

- : gives access to the ISR/WOSA/Article 17(2)

National Phase

- : Where information is displayed for an office, this indicates that the applicant has requested national phase processing for the application concerned in that office. The national entry date and national reference number are supplied by the national office concerned and can be used to retrieve further details from that office, if desired. A list of national patent offices supplying national phase information can be found here: <http://www.wipo.int/pctdb/en/nationalphase.jsp>.

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- : notifications of changes after publication

Documents

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In the *Settings* menu, in the *Result* tab, the *enable multi document download* can be activated for logged-in users in order to download one or more documents.

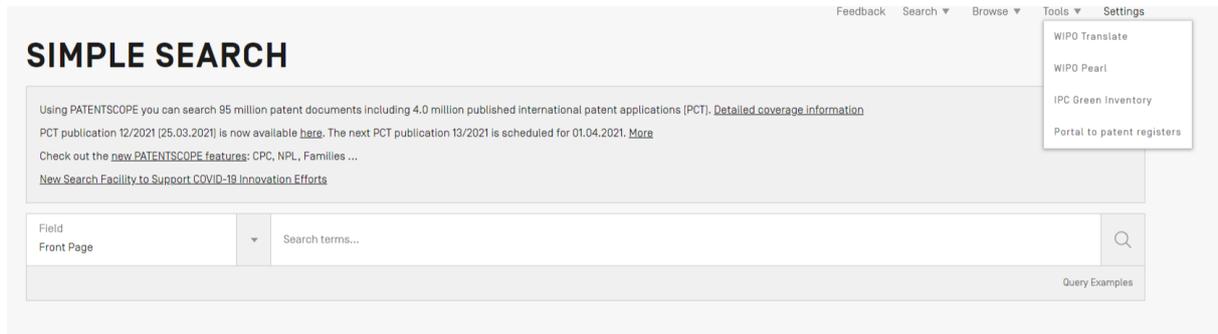
Patent Family

- : family member information and timeline

Compounds

- : will show the compounds and their location within the patent document

TOOLS



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 derived from the IPC:

[ADMN] Admin, Business, Management & Soc Sci	[MARI] Marine Engineering
[AERO] Aeronautics & Aerospace Engineering	[MEAS] Standards, Units, Metrology & Testing
[AGRI] Agriculture, Fisheries & Forestry	[MECH] Mechanical Engineering
[AUDV] Audio, Audiovisual, Image & Video Tech	[MEDI] Medical Technology
[AUTO] Automotive & Road Vehicle Engineering	[METL] Metallurgy
[BLDG] Civil Engineering & Building Construction	[MILI] Military Technology
[CHEM] Chemical & Materials Technology	[MINE] Mining, Oil & Gas Extraction & Minerals
[DATA] Computer Sci, Telecom & Broadcasting	[NANO] Nano Technology
[ELEC] Electrical Engineering & Electronics	[PACK] Packaging & Distribution of Goods
[ENGY] Energy, Fuels & Heat Transfer Eng	[PRNT] Printing & Paper
[ENVR] Environmental & Safety Engineering	[RAIL] Railway Engineering
[FOOD] Foods & Food Technology	[SCIE] Optical Engineering
[GENR] Generalities, Language, Media & Info Sci	[SPRT] Sports, Leisure, Tourism & Hospitality
[HOME] Home Contents & Household Maintenance	[TEXT] Textile & Clothing Industries
[HORO] Precision Mechanics, Jewelry & Horology	[TRAN] Transportation
[MANU] Manufacturing & Materials Handling Tech	

18 language combinations are available:

English-Chinese
English-French
English-German
English-Italian
English-Japanese
English-Korean
English-Russian
English-Spanish

Chinese-English
French-English
German-English
Italian - English
Japanese-English
Korean-English
Russian-English
Spanish-English

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NOTE: WIPO Translate not be used for translating undisclosed patent information or other sensitive data as data transmitted via the translation tool is not encrypted)

Text to be translated:

Language pair: B

Domain: C

D Translate

To use this tool:

- A: Enter your text in the *Text to be translated* box;
- B: Select the *Language pair*. The system will automatically detect the language pair to be used if you do not select an option;
- C: Select the *Domain*. The system will automatically detect the domain if you do not select an option;
- D: Click the *Translate* button.

The result will appear as shown below:

Text to be translated:

polymers which can be used in p-type materials for organic devices and photovoltaic cells, compounds, monomers, dimers, trimers and polymers comprising formula (I) and/or formula (VIII) are prepared

Language pair: English->Chinese (Neural MT)

Domain: CHEM-Chemical & Materials Technology

Translate

This automatic translation is provided for information only, it may contain discrepancies or mistakes and does not have any juridical value.

- Please hover your mouse over parallel segments of text
- Click to view other proposals
- Select words or phrases on the left to access other translation proposals

polymers which can be used in p-type materials for organic devices and photovoltaic cells, compounds, monomers, dimers, trimers and polymers comprising formula (I) and/or formula (VIII) are prepared

制备可用于有机器件和光伏电池的p型材料,化合物,单体,二聚体,三聚体和包含式(i)和或式(viii)的聚合物的聚合物

Choose among proposals, or edit the text

制备可用于有机器件和光伏电池的p型材料,化合物,单体,二聚体,三聚体和包含式(i)和或式(viii)的聚合物的聚合物

制备可用于有机装置和光伏电池的p型材料,化合物,单体,二聚体,三聚体和包含式(i)和或式(viii)的聚合物的聚合物

制备可用于有机器件和光伏电池的p型材料,化合物,单体,二聚体,三聚体和包含式(i)和或式(viii)的聚合物的聚合物

制备可用于有机装置和光伏电池的p型材料,化合物,单体,二聚体,三聚体和包含式(i)和或式(viii)的聚合物的聚合物

制备可用于有机器件和光伏电池的p型材料中的聚合物,包括式(i)和或式(viii)的化合物,单体,二聚体,三聚体和聚合物

制备可用于有机器件和光伏电池的p型材料,化合物,单体,二聚体,三聚体以及包含式(i)和或式(viii)的聚合物的聚合物

制备可用于有机器件和光伏电池的p型材料的聚合物,包括式(i)和或式(viii)的化合物,单体,二聚体,三聚体和聚合物

制备可用于有机装置和光伏电池的p型材料,化合物,单体,二聚体,三聚体以及包含式(i)和或式(viii)的聚合物的聚合物

Related links

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The tool splits the text into different segments, highlighted in red. For each segment, it suggests alternative translations. The user can also edit the proposed translations.

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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.

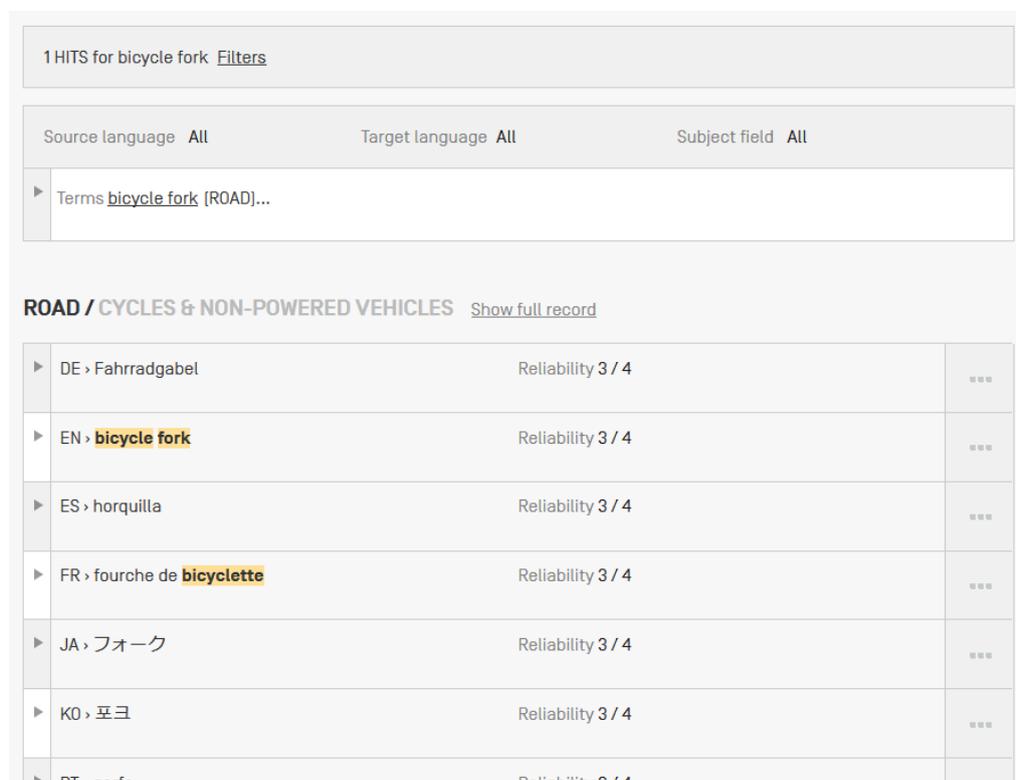
- Integrated with PATENTSCOPE so you can search the entire PATENTSCOPE corpus for terms and their equivalents in other languages.

Linguistic search

Search by term, with optional parameters. Select a Source Language for best results, and disable ad-blocking plug-ins.

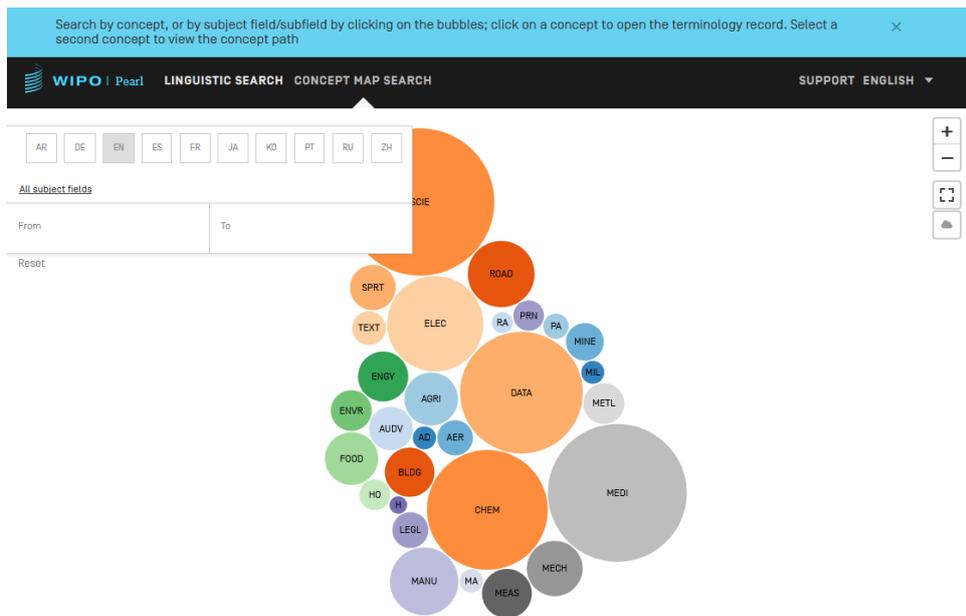
More information on how to use it available here:

<https://www.wipo.int/reference/en/wipopearl/guide.html>



Concept map search

Search by concept, or by subject field/subfield by clicking on the bubbles; click on a concept to open the terminology record. Select a second concept to view the concept path, and click on the "Export concept path" button to perform a combined keyword search in.



IPC GREEN INVENTORY

The IPC Green Inventory attempts to collect Environmentally Sound Technologies (ESTs as listed by the United Nations Framework Convention on Climate Change (UNFCCC)) in one place as they are currently scattered widely across the IPC in numerous technical fields.

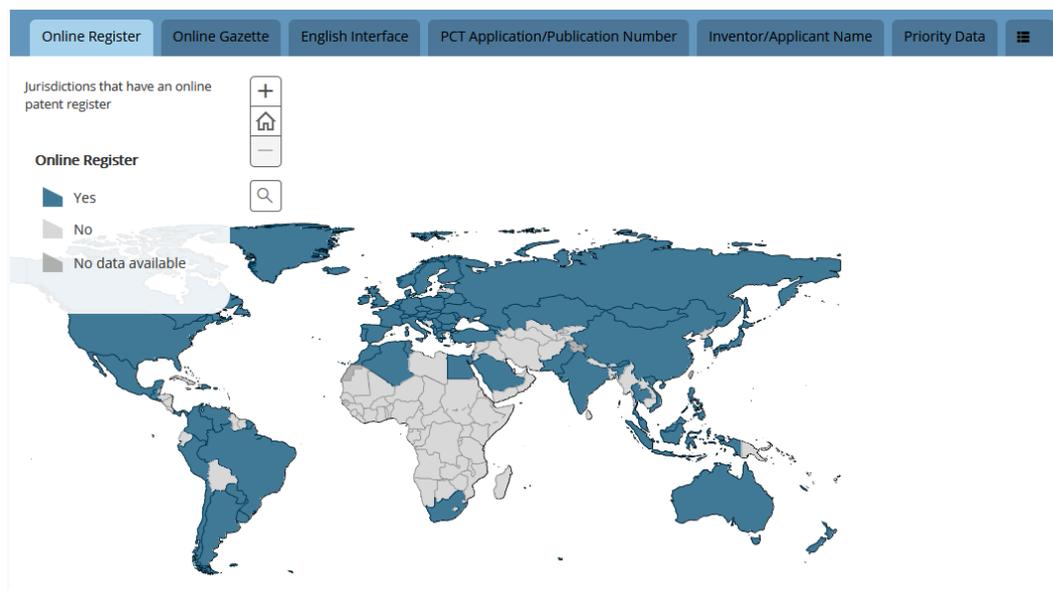
ESTs are presented in a hierarchical structure (A). For each technology, the links in the IPC column direct the user to the corresponding place in the scheme. The links in the PATENTSCOPE column (B) allow the user to automatically search and display all international patent applications available through PATENTSCOPE that are classified in the relevant IPC place.

TOPIC	IPC	PATENTSCOPE
▶ ALTERNATIVE ENERGY PRODUCTION		
▶ TRANSPORTATION		
▶ ENERGY CONSERVATION		
▶ WASTE MANAGEMENT		
▶ AGRICULTURE / FORESTRY		
▶ ADMINISTRATIVE, REGULATORY OR DESIGN ASPECTS		
▶ NUCLEAR POWER GENERATION		

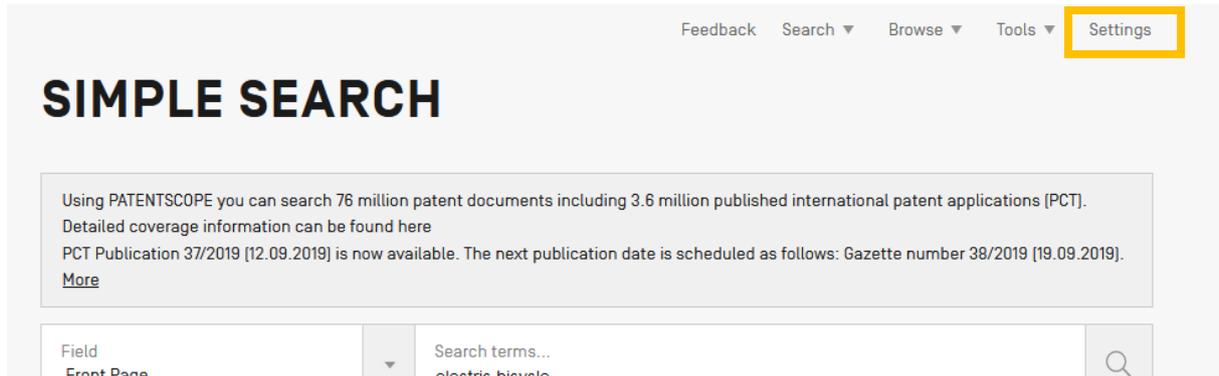
TOPIC	IPC	PATENTSCOPE
▼ ALTERNATIVE ENERGY PRODUCTION		
▶ BIO-FUELS		
INTEGRATED GASIFICATION COMBINED CYCLE (IGCC)	C10L 3/00 F02C 3/28	C10L 3/00 F02C 3/28
▶ FUEL CELLS		
	H01M 4/08-4/98, 8/00-8/24, 12/00-12/08	H01M 4/08-4/98, 8/00-8/24, 12/00-12/08
▶ PYROLYSIS OR GASIFICATION OF BIOMASS		
	C10B 53/00 C10J	C10B 53/00 C10J
▶ HARNESSING ENERGY FROM MANMADE WASTE		
▶ HYDRO ENERGY		
OCEAN THERMAL ENERGY CONVERSION (OTEC)	F03G 7/05	F03G 7/05
▶ WIND ENERGY		
	F03D	F03D

PORTAL TO PATENT REGISTERS

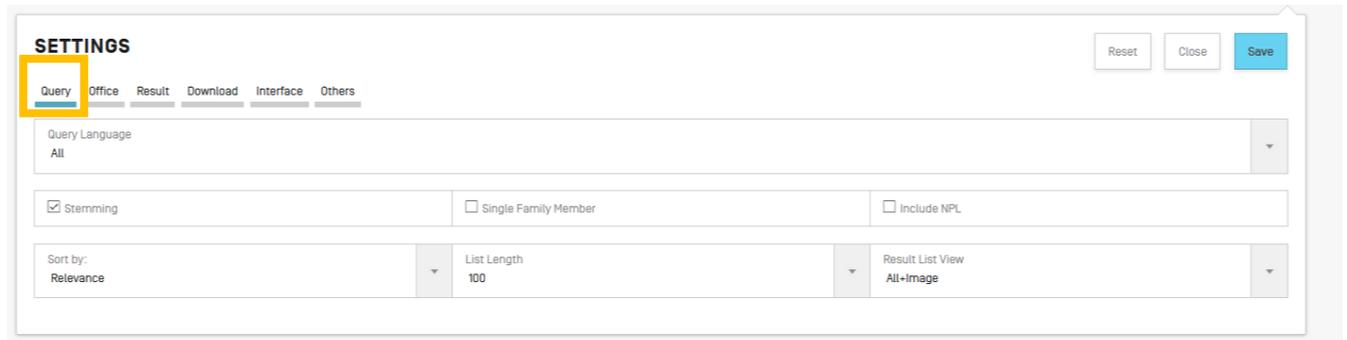
The portal aims to facilitate the verification of legal status of patents and related SPCs by compiling relevant information of national registers of various jurisdictions, e.g. availability of online access to a national or regional register.



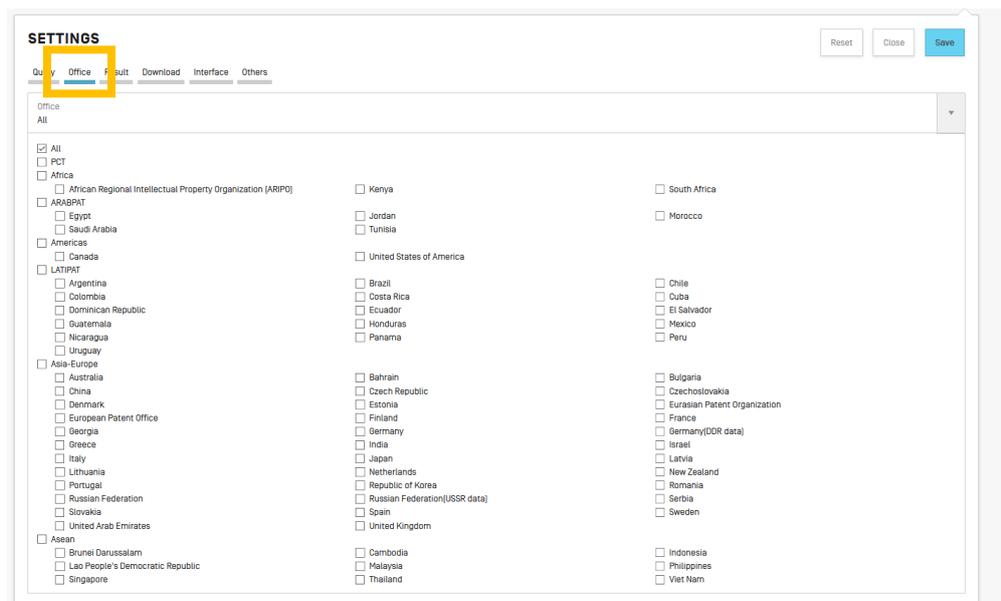
SETTINGS



Query tab: Define the defaults for query language, the stemming option, the sorting of the results and the number of results to be included in the list.



The Office tab: Select the patent collection/s for your patent searches.



The Result tab: Define the defaults for the language of the result list, the fields that will be displayed, the presentation of the results analysis, the groups to be included in the results analysis and the number of items in those groups. It also gives access to the document downloading option:

SETTINGS [Reset] [Close] [Save]

Query Office **Result** Download Interface Others

Result List Language
Query Language

Analysis tab open

Analysis type: **Table**

Analysis graph: **pie**

No of Items/Group: **10**

Group by *

- Countries
- Offices
- Applicants
- Inventors
- IPC code
- CPC code
- Publication Dates
- Filing Dates
- Kind code

The Download tab: to enable the downloading of multiple documents, as well as to select the downloaded fields for the report

SETTINGS [Reset] [Close] [Save]

Query Office **Result** **Download** Interface Others

Enable multi documents download

Download Fields

- Application Number
- Application Date
- Publication Number
- Publication Date
- Country Code
- Title
- Abstract
- IPC
- Applicants
- Inventors
- Priority Data
- National Phase Entries
- Image

The Interface tab: Select the default search interface and enable Google Translate. You can also select whether to activate Tooltip Help, Advanced Search Instant Help and IPC Help through this tab.

SETTINGS [Reset] [Close] [Save]

Query Office **Result** **Download** **Interface** Others

Tooltip Help

IPC Tooltip Help

Advanced Search Instant Help

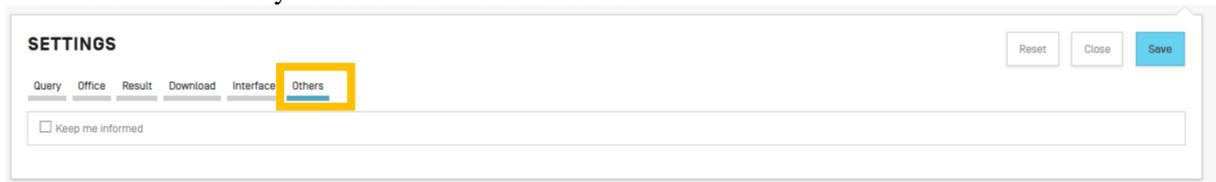
Show Google Translate

Result and detail side by side

Multiple Windows Interface

Default Search Form: **Field Combination**

The *Others* tab allows you to subscribe to notifications



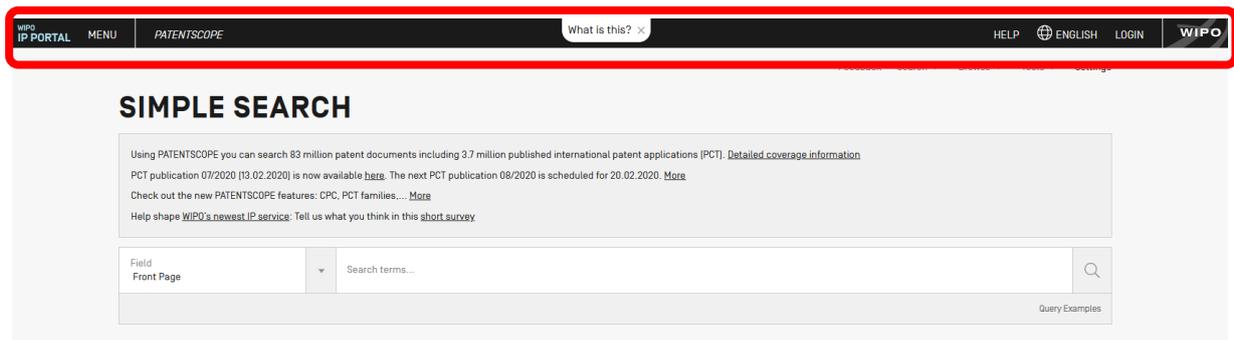
SETTINGS

Query Office Result Download Interface **Others**

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NAVIGATION BAR



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Field Front Page Search terms... Query Examples

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- The Help menu
- The language of your interface
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In the Help menu, are available:

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- guides on how to search, query syntax , field definition and country codes
- the data coverage
- the terms and conditions as well as the disclaimer

HELP

HOW TO SEARCH

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PATENTSCOPE NEWS

- [National Collections of Finland and New Zealand now Available in Patentscope](#) (Mar 16, 2021)
- [Extended Patent Family Information Now Available in PATENTSCOPE](#) (Mar 10, 2021)
- [Non-Patent Literature Now Available in PATENTSCOPE](#) (Mar 2, 2021)
- [New National Collections and Global Dossier Information Now Available in Patentscope](#) (Dec 15, 2020)
- [WIPO IP Portal: New MENU Features for PATENTSCOPE Users](#) (Dec 7, 2020)

LATEST NEWSLETTER

- ▶ [09.03.2021 - \[WIPO webinar\] 2 upcoming PATENTSCOPE webinars](#)

DATA COVERAGE

- [PCT applications](#)
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CODES

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ABOUT

Version 1.4.5

LANGUAGES

The language of the interface can be selected from the drop-down menu English:

Or from your account once logged-in

The image displays two screenshots of the PATENTSCOPE website interface. The top screenshot shows the language selection menu open, with the 'LOGIN' button highlighted in red. The bottom screenshot shows the 'MY ACCOUNT' menu open, with the language selection dropdown menu expanded to show various language options.

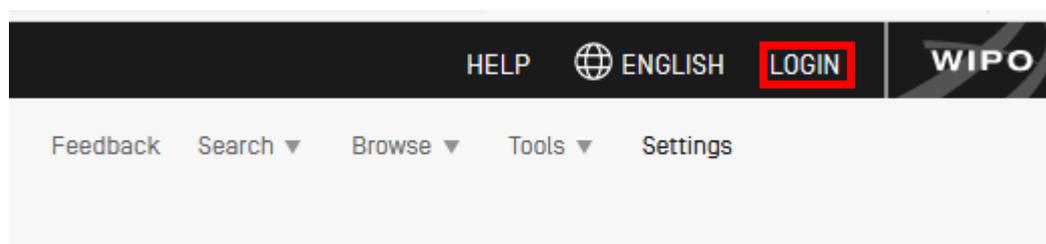
Top Screenshot: Language Selection Menu

- Navigation: PATENTSCOPE, What is this? x, HELP, ENGLISH, LOGIN (highlighted), WIPO
- Language Selection Menu (Open):
 - ENGLISH
 - FRANÇAIS
 - DEUTSCH
 - ESPAÑOL
 - PORTUGUÊS
 - РУССКИЙ
 - 日本語
 - 中文
 - 한국어
 - عربي

Bottom Screenshot: My Account Menu

- Navigation: PATENTSCOPE, What is this? x, HELP, [Notification Icon], [Home Icon]
- My Account Menu (Open):
 - MY ACCOUNT
 - ENGLISH (selected)
 - ENGLISH
 - FRANÇAIS
 - DEUTSCH
 - ESPAÑOL
 - PORTUGUÊS
 - РУССКИЙ
 - 日本語
 - 中文
 - 한국어
 - عربي
 - SESSION QUERIES
 - SAVED QUERIES
 - LOGOUT

LOGIN



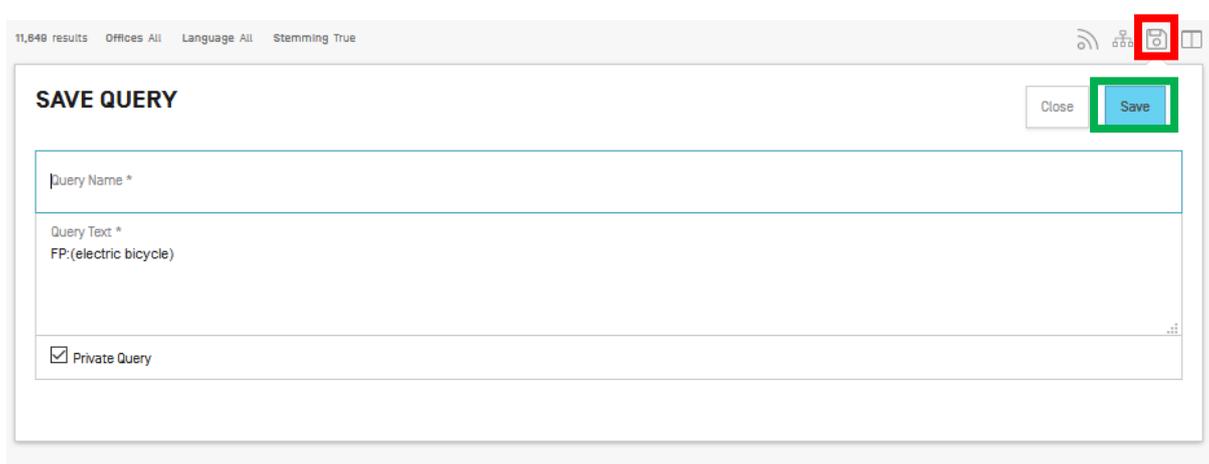
Account Sign up

Provide the mandatory information (*) in order to create your free-of-charge PATENTSCOPE account.

Login

Once logged into the WIPO account, new icons will be available in the refine search box that will allow users to

1. Save their queries :



After clicking this icon (in the red rectangle above), users will be asked to give a name to their query in this dialog box

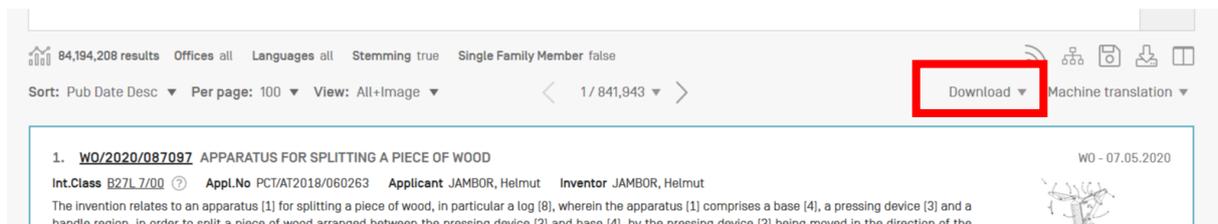
By default, your saved queries are *Private* that means that only you, when logged-in, can see them. You cannot share them or subscribe to the RSS feed.

If you would like to share your queries and use RSS feed you need to untick the *private Query* box and you will be able to share them and subscribe to RSS feed.



1	EN_ALL:"human space flight" OR "manned space flight" OR "crewed space flight" OR "human spaceflight" OR "manned spaceflight" OR "crewed spaceflight"	All	Relevance	<input checked="" type="checkbox"/>	1	10	<input checked="" type="checkbox"/>			
chem search	CHEM:(BNRN XUZR GQAQC-UHFFFAOYSA-N)	WO	Relevance	<input checked="" type="checkbox"/>	1	10	<input type="checkbox"/>			
bicycle	en_ab:bicycle	All	Pub Date Desc	<input type="checkbox"/>	1	10	<input type="checkbox"/>			
cat	ALLTXT:(cat) AND IC: ("A23K 50/40" OR "B62B 9/14" OR "A63H 13/02" OR "B32B" OR "B65D")	All	Relevance	<input checked="" type="checkbox"/>	2	10	<input type="checkbox"/>			

2. Download the result lists up to 10,000 records using the *Download* button above the result list. After clicking the icon, the downloading will automatically start and open an Excel sheet with either 1000 (simple icon) result or 10,000 (icon 10k).



84,194,208 results Offices all Languages all Stemming true Single Family Member false

Sort: Pub Date Desc Per page: 100 View: All+Image < 1 / 841,943 >

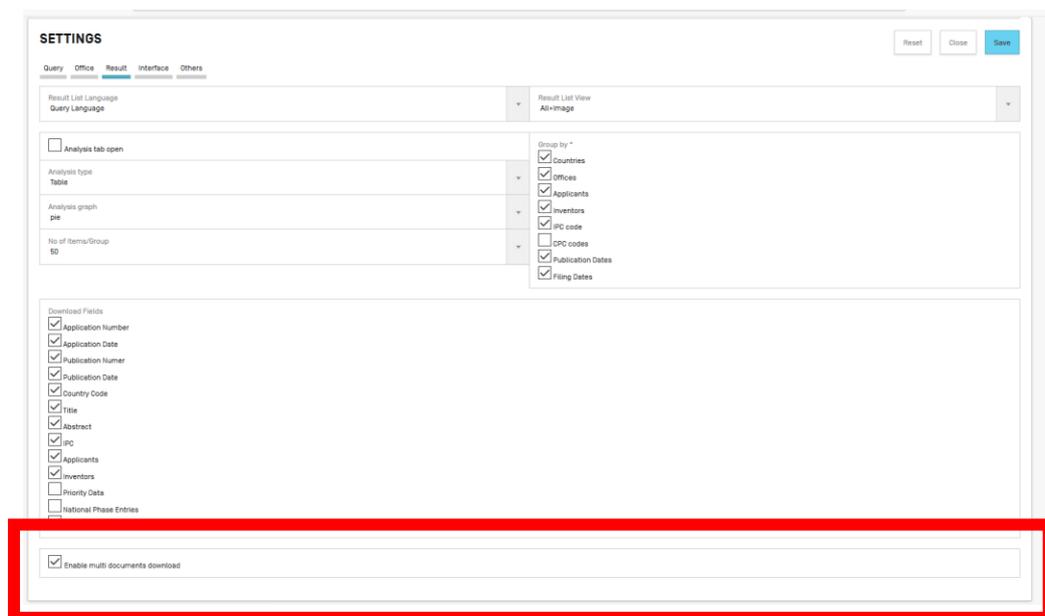
Download Machine translation

1. [WO/2020/087097](#) APPARATUS FOR SPLITTING A PIECE OF WOOD WO - 07.05.2020

Int.Class B27L 7/00 Appl.No PCT/AT2018/060263 Applicant JAMBOR, Helmut Inventor JAMBOR, Helmut

The invention relates to an apparatus (1) for splitting a piece of wood, in particular a log (8), wherein the apparatus (1) comprises a base (4), a pressing device (3) and a handle (9). In order to split a piece of wood arranged between the pressing device (3) and base (4) by the pressing device (3) being moved in the direction of the

3. Download one or more documents by selecting in the *Settings* menu, in the *Result* tab, the *enable multi document download* can be activated for logged-in users in order to download one or more documents.



4. Once logged-in, users will also have access to the chemical structure search in the *Search* menu, as well as Save their preferred settings, such as the search interface by default, the length of the search result list, etc.in the *Options* menu.

ANNEX

SEARCH SYNTAX

The search syntax allows you to search for specific information in the advanced search. A query is a logical sentence that consists of elements joined by special symbols called operators used to define the relationship between words or groups of words.

An “element” can be:

- a single term (“engine”);
- a phrase (a group of words surrounded by quotes to search for multiple words in exact order: “magnetic cup”); or
- several of these grouped together with parentheses.

List of operators supported in the PATENTSCOPE search service:

Operators	Example	Explanation
BOOLEAN		always use in capital
AND	train AND plane	Returns all documents that contain both the first term and the second term.
OR	train OR plane	Returns all documents that contain either the first term or the second term or both.
NOT	NOT plane	Returns all documents that do not contain the term following NOT .
ANDNOT	train ANDNOT plane	Returns all documents that contain the first term and not the term following NOT .
WILDCARD		
?	te?t	Returns all documents that contain test or text . <u>Wildcard search</u> uses ? to search terms with one single character replaced. It is possible to use for example 2 ? to replace 2 characters
*	electr* elec*try	Returns all documents that contain electric , electrics , electrical , electricity . Returns all documents that contain electricity . <u>Wildcard search</u> uses * to search terms with 0 or more characters replaced either in the middle of the term or at the end of the term (* as the 1 st character of the term is not supported).
OTHERS		
^	power^10 nuclear	Returns all documents in which “power” is considered to be more relevant (10 times in the example) than “nuclear”. The caret assigns importance values to individual query terms.
+/-	+electric-power	Returns all documents that contain electric and that do not contain power <u>Filtered searching</u> allows to require (+) a query term and to prohibit (-) one.
~	roo~	<u>Fuzzy search</u> returns all documents that contain room, roof, root, etc.
()	(spaghetti OR plate) AND fork	Returns all documents that contain spaghetti or plate and fork. <u>Grouping</u> is used to group clauses to form sub-queries.
~/NEAR	“heart monitoring”~10	<u>Proximity search</u> allows specifying a distance between words. In the example with tilde “heart” and

	Heart NEAR monitoring	“monitoring” are separated by 10 other words; NEAR separates words by 5 words by default
[]	[01.01.2000 TO 01.01.2001]	Returns all documents that contain dates between 01.01.2000 and 01.01.2001. Range search uses [] to include the bounds.
{ }	{Smith TO Townsend}	Returns all documents that contain names between Smith and Townsend, but not including Smith and Townsend. Range search uses { } to exclude the bounds.

FIELD CODES

Field codes are used in the Advanced Search interface to limit your search to specific fields. For example:

To search for documents that contain the terms “precipitated calcium carbonate”, “carbon dioxide”, and variants of the word inject (using a wildcard operator) in any English text and belong to the fields of technology of papermaking or cellulose production, as represented by the IPC subclass D21, you can use the query:

```
EN_ALLTXT:(“precipitated calcium carbonate” AND “carbon dioxide” AND inject*) AND IC:D21
```

The EN_ALLTXT field code represents a combination of the English title, abstract, description, and claims fields, while the IC field code represents the International Patent Classification field. You should use parentheses (brackets) to enclose all search terms for a given field; and make sure not to put any spaces between the field code and the brackets!

The list of supported field codes in the PATENTSCOPE search service is available here: <https://patentscope.wipo.int/search/en/help/fieldsHelp.jsf>