

- I. Basics of Prior Art Search
- II. Search Strategy
- III. Search Tool - J-PlatPat
- IV. Search Tool - PATENTSCOPE**

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Next, let me explain PATENTSCOPE.

### A. Basics of PATENTSCOPE - 1/3

- PATENTSCOPE is run by the WIPO
  
- PATENTSCOPE gives you access to
  - weekly publication of new PCT applications
  - file inspection for international phase
  - more than 30 million documents from all over the world
  
- Four types of search are available
  - *Simple Search*
  - *Advanced Search*
  - *Field Combination*
  - *Cross Lingual Expansion*

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PATENTSCOPE, which is run by WIPO, gives you access to weekly publication of new PCT applications, file information from the international phase, and more than 30 million documents from all over the world.

Four types of searches are available: Simple Search, Advanced Search, Field Combination, and Cross Lingual Expansion.

In this lecture, I would like to explain these four functions for conducting prior art searches.

## IV. Search Tool - PATENTSCOPE



### A. Basics of PATENTSCOPE - 2/3

PATENTSCOPE <http://patentscope.wipo.int/search/en/search.jsf>



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This is the “PATENTSCOPE” top page.

## IV. Search Tool - PATENTSCOPE

### A. Basics of PATENTSCOPE - 3/3

PATENTSCOPE <http://patentscope.wipo.int/search/en/search.jsf>



Cited from <http://patentscope.wipo.int/search/en/search.jsf>

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If you click "search", a list will appear showing four different search functions. Select the search function from the list that you would like to use.

### B. Simple Search - 1/3



#### ■ You can select Search Fields in the following list

- Front page
- Any field
- Full text
- English text
- ID / Number
- IPC
- Names
- Dates

1. Select Search Field
2. Enter query in Search Box-
3. Click Search Button

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First, I will explain “simple search”.

You can do the search by selecting the search object from the search field displayed on the left side, entering a query in the search box, and clicking “search”.

Select the search field item from among the following: Front page, Any field, Full text, English text, ID/Number, IPC, Names, and Dates.

## IV. Search Tool - PATENTSCOPE



### B. Simple Search - 2/3



1. Select "Front Page"
2. Enter "Light"
3. Click "Search"

Click "Number"

Cited from <http://patentscope.wipo.int/search/en/search.jsf>

### Search Results list



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For example, select the search field "front page", and then enter the query "light" and click "search". The search results will then be displayed, and the word "light" will be highlighted.

## B. Simple Search - 3/3

### Bibliographic data

**Pub. No.:** WO/2014/080831 **International Application No.:** PCT/JP2012/084870  
**Publication Date:** 11.08.2014 **International Filing Date:** 01.12.2012  
**IPC:** G1H 27/0491 (2006.01), G1H 27/0491 (2013.01)  
**Applicant:** HITACHI LIMITED, Hitachi, Ltd., 2-1, Domachi 2-chome, Chiyoda-ku, Tokyo 1000292, Japan  
**Inventor:** HOSOKAWA, Shinya (JP)  
**Name:** HOSOKAWA, Shinya (JP)  
**Priority:**  
**Title:** (EN) OPTICAL INFORMATION REPRODUCTION DEVICE AND OPTICAL INFORMATION REPRODUCTION METHOD  
 (JP) 情報再生装置及び情報再生方法  
 (FR) Dispositif et procédé de reproduction d'informations optiques et procédé de reproduction d'informations optiques  
 (CN) 光信息再现装置及光信息再现方法  
**Abstract:** (EN) Provided is an optical information reproduction device in which components in contact with the multiplexing and demultiplexing light of the optical angle of the information light can be appropriately controlled during data reproduction. An apparatus is a method for performing control on optical information reproduction device for using multiplexing and demultiplexing information from an optical information recording medium when reproducing optical information and optical angle that multiplexing and demultiplexing light are subjected to a light modulation. The information light multiplexing and demultiplexing apparatus includes a control unit for controlling the optical angle of the information light when reproducing optical information from an optical information recording medium.

### Documents of international phase

Date	Type	View	Download
24.08.2014	International Application Status Report	HTML, PDF	PDF, HTML

Date	Type	View	Download
15.08.2014	Initial Publication with ISA (JP) (2012/4)	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML

Date	Type	View	Download
15.08.2014	Application Entry as Filed	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML
15.08.2014	(PCT) (Request form)	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML
15.08.2014	(PCT) (Notification of receipt of request entry)	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML
15.08.2014	Translation of the OR	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML
15.08.2014	International Search Report	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML
15.08.2014	(PCT) (Notification Concerning Availability of Publication of the International Application)	PDF (3 to 4)	PDF (3 to 4), PDF/XML, HTML

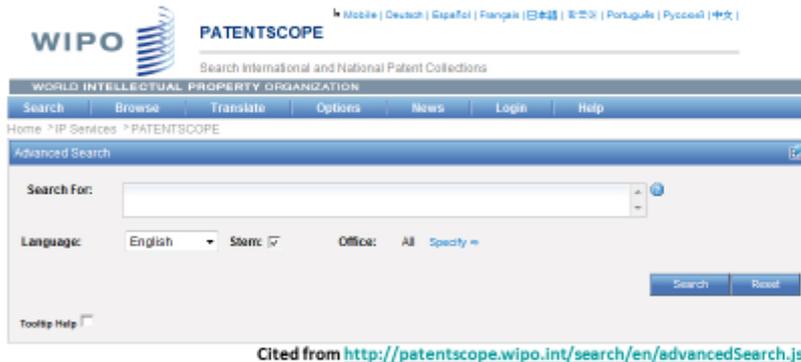
Various types of useful information are available

Cited from <http://patentscope.wipo.int/search/en/search.jsf> 71

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If you click “number” in the search result list, you can obtain information such as bibliographic data of the corresponding publication and ISR created in the international phase.

### C. Advanced Search - 1/2



WORLD INTELLECTUAL PROPERTY ORGANIZATION  
PATENTSCOPE  
Search International and National Patent Collections

Search | Browse | Translate | Options | News | Login | Help

Home \* IP Services \* PATENTSCOPE

Advanced Search

Search For:

Language: English | Store  | Office: All | Specify

Tooltip Help

Cited from <http://patentscope.wipo.int/search/en/advancedSearch.jsf>

- Advanced Search accepts complex search queries
- Field Codes and Operators are available to create the queries

**Field Code :** <http://patentscope.wipo.int/search/en/help/fieldsHelp.jsf>

**Operator :** <http://patentscope.wipo.int/search/en/help/querySyntaxHelp.jsf>

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Next, I will explain “advanced search”, which allows the use of more complex queries as compared to “simple search”. In particular, you can do searches by specifying “field code” or “operator”. For details, please refer to the links listed below.

### C. Advanced Search - 2/2

*~ Examples of search queries ~*

**Example 1 Cutting NEAR5 trunk**

“cutting” and “trunk” are located within 5 words of each other

**Example 2 IN(Jobs) AND DP:[2007 TO 2009] AND EN DE(TOUCH)**

Inventions by Steve Jobs published during the period from 2007 to 2009 containing the keyword “touch” in the description

**Field Code :** <http://patentscope.wipo.int/search/en/help/fieldsHelp.jsf>

**Operator :** <http://patentscope.wipo.int/search/en/help/querySyntaxHelp.jsf>

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I will next give some examples of “advanced search”.

“Example 1” is the example of the proximity search, whose search results will list documents where the terms “cutting” and “trunk” occur within five words from each other.

In “Example 2” three search conditions are combined.

One: the invention was made by Steve Jobs.

Two: the publication period was between 2007 and 2009.

Three: the description of the invention includes the term “touch”. The search result will list publications that satisfy these three conditions.

### D. Field Combination



**Any combinations of the preset search fields are available**

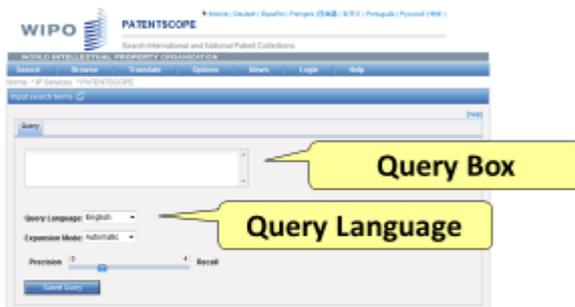
Cited from <http://patentscope.wipo.int/search/en/advancedSearch.jsf>

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Next, I will explain “field combination”, which allows searches using multiple search fields. This combines “simple search” with AND or OR, and includes more “search field” items to select from as compared to “simple search”.

### E. Cross Lingual Expansion - 1/2



1. Select Query Language \* Cited from <http://patentscope.wipo.int/search/en/clir/dir.jsf>
2. Enter terms in the selected language in the Query Box.
3. Automatically, the terms are expanded and then the expanded terms are translated into the other languages.
4. Documents in the other languages \* are searched.

\* Chinese, Dutch, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swedish

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Lastly, I will explain “cross lingual expansion”, which permits Cross Lingual/Language Information Retrieval. To perform a cross lingual query, you simply select the primary query language in the “query language” field and enter the query term in the “query box” in the language you selected. The term you entered will then be expanded and translated into other languages, and the search will be performed using the terms you entered along with the translated terms.

E. Cross Lingual Expansion - 2/2

Search result : Language is “English” and term is “Light”



Search Queries

Search Results list

Cited from <http://patentscope.wipo.int/search/en/clir/clir.jsf> 76

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I will now show you an example of “cross lingual expansion”.

Here, the screen shows the results of the search when you select “English” in the query Language and enter “light” in the query box. It will display the search queries for the term which is expanded and translated, along with the result of the search using these terms.