

## PATENTSCOPE

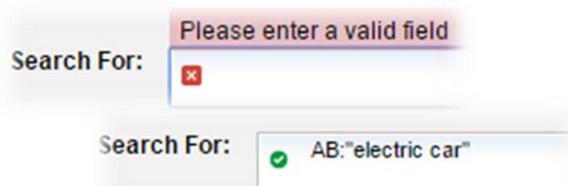
### Advanced Search Instant Help

#### Advanced Search is now Easy

We are glad to present you a new tool to ease the use of the PATENTSCOPE database.

Thanks to the new instant help assistant, you can:

- ✓ **Validate the query syntax, as you type**



- ✓ **Autocomplete search terms like:**
  - Search fields**
  - List of values**
  - Expression patterns**
  - Conjunctions**
  - E.g. Type “AB” or “Abstract”
- ✓ **Search Field translation**
  - Lookup can be done by name or by code**
  - E.g. Type “CTR” or “Country”
- ✓ **Lookup Countries by name**
  - Country code look up is done automatically**
  - Narrow the list of countries by name or code**
  - E.g. Type “CTR: ES” or “CTR: Spain”
- ✓ **Lookup IPC codes**
  - Browse the International Patent Classification suggestions**
  - E.g. Type “IC: A0”
- ✓ **Yes/No values are localized**
  - Translation to numeric codes “1” and “0” is done by the assistant**
  - E.g. Type “TPO: Yes”

#### Advanced Search Instant Help

- Validation of search query
- Suggestions of terms
- Instant help, as you type
- List of International Patent Classification codes
- Lists of Countries
- Multi-language support

## PATENTSCOPE Advanced Search Instant Help

## Translation of Search Fields

You can either type the field name or in the page language, and the Assistant converts it into the search engine field name:

For example, in English, typing “Cou” will display all fields containing the token “cou”:

The screenshot shows the 'Advanced Search' window. The search input field contains 'Cou' and a dropdown menu is open, displaying the following suggestions: 'Applicant Address Country', 'Country', 'Legal Representative Country', and 'Priority Country'. The 'Language' is set to 'English'. There are 'Search' and 'Reset' buttons at the bottom right. At the bottom left, there are checkboxes for 'Instant Help' (checked) and 'Tooltip Help' (unchecked).

For Japanese, typing “国名” works similarly:

The screenshot shows the '詳細検索' (Advanced Search) window in Japanese. The search input field contains '国名' and a dropdown menu is open, displaying the suggestion '国名 (国コード)'. The '言語' (Language) is set to '日本語'. There are '検索' (Search) and 'リセット' (Reset) buttons at the bottom right. At the bottom left, there are checkboxes for 'Instant Help' (checked) and 'ツールチップ ヘルプ 有効化' (Tooltip Help Enabled) (unchecked).

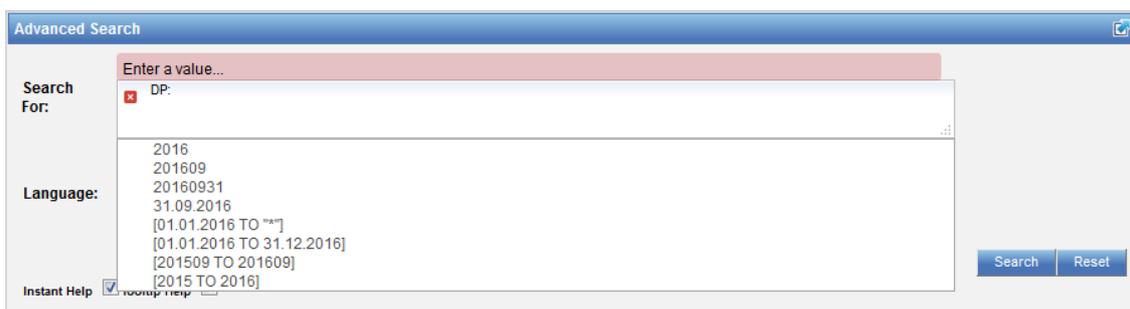
After the selection, the translation occurs, **CTR:** is displayed, and value suggestions are presented, in the user language:

The screenshot shows the '詳細検索' (Advanced Search) window in Japanese. The search input field contains 'CTR:' and a dropdown menu is open, displaying the following suggestions: 'ARIPO', 'キューバ', 'アルゼンチン', '韓国', 'メキシコ', 'シンガポール', and 'ベトナム'. The '言語' (Language) is set to '日本語'. There are '検索' (Search) and 'リセット' (Reset) buttons at the bottom right. At the bottom left, there is a checkbox for 'Instant H' (checked).

(For advanced users, typing “CT” will also suggest Country, as its symbol is “CTR”)

## Date Formats

The assistant recognizes the different date formats supported, as the image shows:



The screenshot shows the 'Advanced Search' window. The 'Search For:' field contains 'DP:'. A dropdown menu is open, listing the following date formats: 2016, 201609, 20160931, 31.09.2016, [01.01.2016 TO \*\*], [01.01.2016 TO 31.12.2016], [201509 TO 201609], and [2015 TO 2016]. The 'Language:' field is set to 'English'. There are 'Search' and 'Reset' buttons on the right.

Specific dates ( in the format DD.MM.YYYY or DD/MM/YYYY )

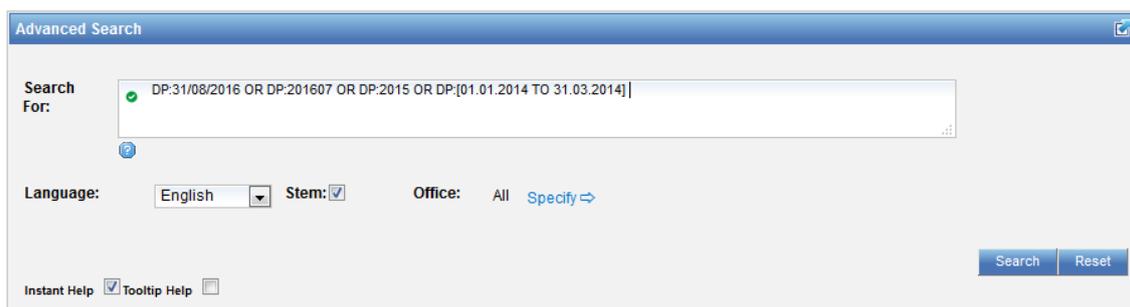
Specific month ( YYYYMM )

Specific year ( YYYY )

Date ranges:

- [ YYYY TO YYYY ]
- [ YYYYMM TO YYYYMM ]
- [ DD.MM.YYYY TO DD.MM.YYYY ]
- ... and mixed combinations

For example, the following expression is valid and searches documents published on a specific date (31.08.2016), or month (201607), within year 2015, or between Jan 1<sup>st</sup> and March 31<sup>st</sup> of 2014.



The screenshot shows the 'Advanced Search' window with the search expression 'DP:31/08/2016 OR DP:201607 OR DP:2015 OR DP:[01.01.2014 TO 31.03.2014]' entered in the 'Search For:' field. The 'Language:' is set to 'English', 'Stem:' is checked, and 'Office:' is set to 'All'. There are 'Search' and 'Reset' buttons on the right.

## International Patent Classification

The IPC codes are used to classify the patents based on its technology sector.

As there is a large number of codes, suggestions for IPC codes are provided as the user goes into deeper levels. Valid options include both categories and subcategories.

Both code and text matches can be used to determine the suggestions listed.

For example, as the user enters “IC:” (or selects *International Class*) the initial suggestions show only the top categories, which are assigned the letters A to H:

The screenshot shows the 'Advanced Search' window. The search input field contains 'IC:'. Below the input field, a list of suggestions is displayed, corresponding to the top categories of the International Patent Classification (IPC):

- A: SECTION A - HUMAN NECESSITIES
- B: SECTION B - PERFORMING OPERATIONS; TRANSPORTING
- C: SECTION C - CHEMISTRY; METALLURGY
- D: SECTION D - TEXTILES; PAPER
- E: SECTION E - FIXED CONSTRUCTIONS
- F: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
- G: SECTION G - PHYSICS
- H: SECTION H - ELECTRICITY

The interface also includes a 'Search' button, a 'Reset' button, and an 'Instant Help' checkbox.

After one category is selected, its subcategories are shown. For example, after selecting “SECTION F”, the suggestions for F subcategories are loaded:

The screenshot shows the 'Advanced Search' window. The search input field contains 'IC:F'. Below the input field, a list of suggestions is displayed, corresponding to the subcategories of SECTION F:

- B: SECTION B - PERFORMING OPERATIONS; TRANSPORTING
- E: SECTION E - FIXED CONSTRUCTIONS
- F: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
- F01: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[01] MACHINES OR ENGINES IN GENERAL; ENGINE PLANTS IN GENERAL; STEAM ENGINES
- F02: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[02] COMBUSTION ENGINES; HOT-GAS OR COMBUSTION-PRODUCT ENGINE PLANTS
- F03: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[03] MACHINES OR ENGINES FOR LIQUIDS; WIND, SPRING, OR WEIGHT MOTORS; PRODUCING MECHANICAL POWER OR A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR
- F04: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[04] POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS; PUMPS FOR LIQUIDS OR ELASTIC FLUIDS
- F15: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[15] FLUID-PRESSURE ACTUATORS; HYDRAULICS OR PNEUMATICS IN GENERAL
- F16: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[16] ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS; THERMAL INSULATION IN GENERAL
- F17: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[17] STORING OR DISTRIBUTING GASES OR LIQUIDS
- F21: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[21] LIGHTING
- F22: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[22] STEAM GENERATION
- F23: SECTION F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING[23] COMBUSTION APPARATUS; COMBUSTION PROCESSES

The interface also includes a 'Search' button, a 'Reset' button, and an 'Instant Help' checkbox.

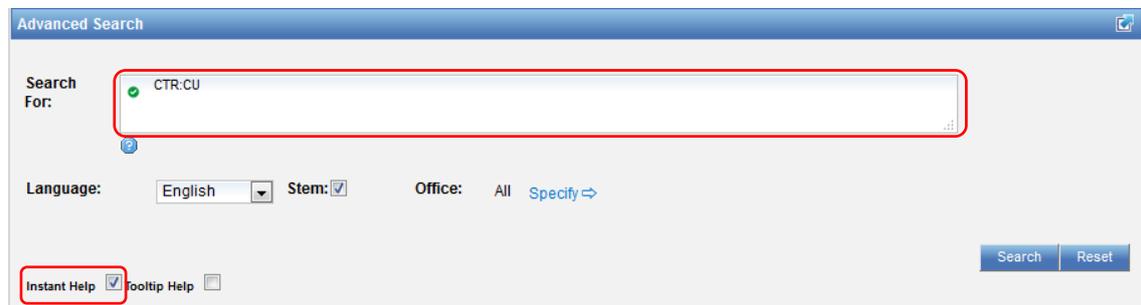
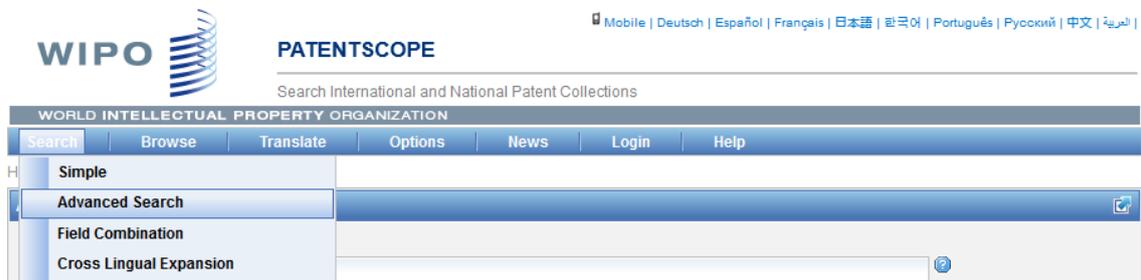
At this point, the user may input the subcategory code or a matching word. E.g. COMBUSTION, will narrow the list of suggestions to F02 and F23.

After selecting F02, the assistant will suggest its subcategories, and so on.

### Advanced Search Instant Help Assistance

The *Advanced Search Instant Help* feature is enabled in the following pages:

- Search | Advanced Search



- Results Page

