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Український національний офіс інтелектуальної власності та інновацій

Patent databases and access to patent information, specialized patent search

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Prerequisites for acquiring strong patent

Patent application

Search

Conduct thorough search for novelty to define patentability

Documents

Prepare all the required documents for application and pay standard fees

Registration

Registration of the application and grant process

Application

Send all application documents in paper form or using systems for electronic application

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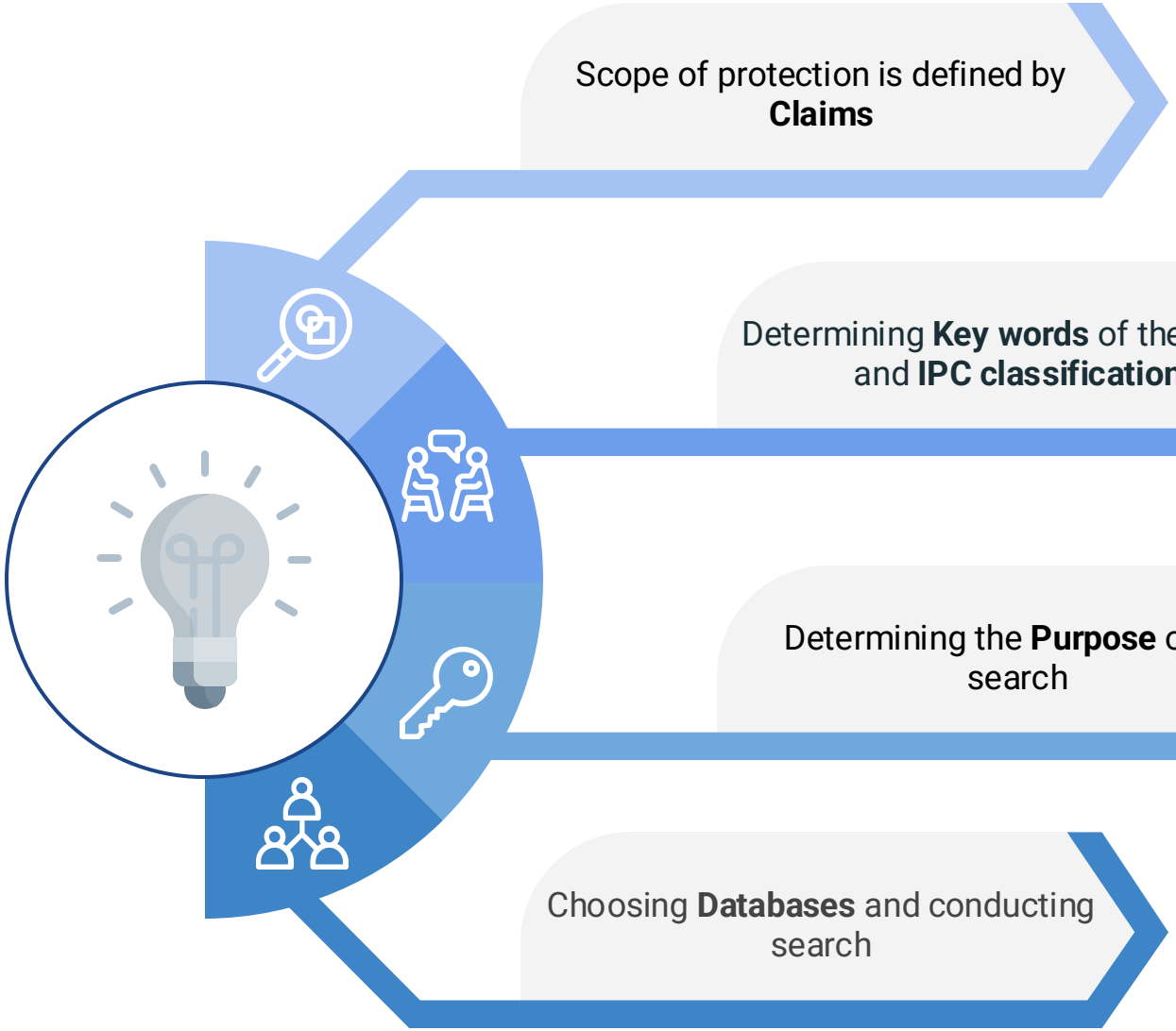
General information about searches



In a patent or patent application, the claims define in technical terms the scope, of the protection conferred by a patent, or the protection sought in a patent application

Keywords are descriptive terms related to the technical features, International Patent Classification (IPC) is a hierarchical coding organizes patents into specific areas

To gather and analyze existing patent information in order to support decisions related to research, development, and protection of inventions

Patent databases are specialized online platforms or systems that store and provide access to patent documents and related information from around the world

General information about purpose of the search

Patent landscape

Provide patent situation of a specific technology

Freedom to operate

The ability to legally commercialize that invention

State of the art search

(Prior art search)
Everything disclosed to the public, including non-patent literature

Novelty search

Conducted regarding whether your innovation is new, unique, and can be patented

Patent information search

Find existing patents, published patent applications

Patent market analysis

Systematic scientific analysis of the properties of an economic activity object throughout its life cycle

Determining the subject of the search

Searching for a particular patent or application, full text or claims

Patent

Invention

Searching for specific invention or citation in different patents

Searching in the technological field with all relevant patents

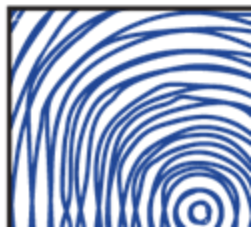
Field

Retrospective

Determining the scope of time search whether 20 years or limitless time period

Searching for specific legal entity or natural person

Entities



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Determining the purpose of the search

01 Novelty search and infringement

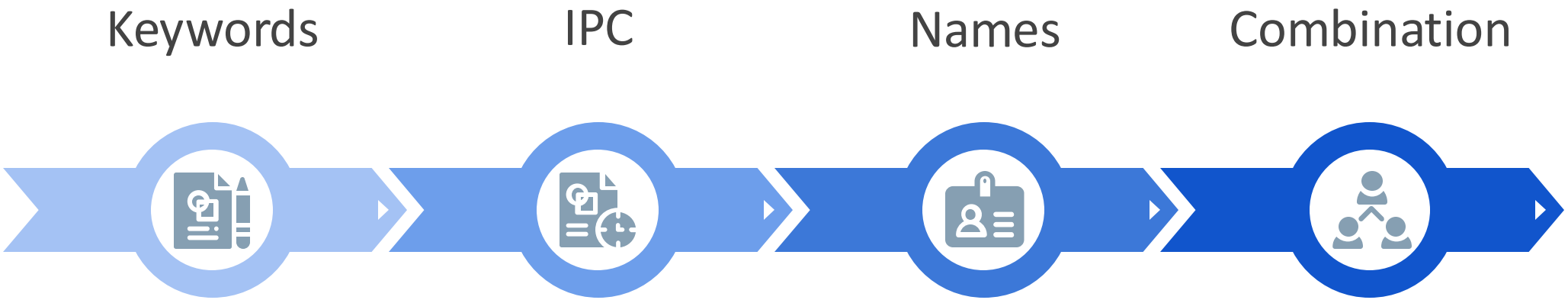
02 Solution to a specific problem

03 Keeping up to date in specific field of technology

04 Company/inventor search, status of the patent

Novelty — Is this idea already protected by an existing patent?
Infringement — Is someone attempting to use or patent an idea that's already protected?
Solution to a Technical Problem — Has someone already addressed the problem you're trying to solve?
Free Technology — Are there expired patents you could legally use?
Keeping Up to Date — Stay informed by browsing valuable technical knowledge within your field.
Company/Inventor Searches — What are your competitors and peers working on?
(A widely used tool for monitoring competition and identifying potential infringement risks.)
Status — What is the legal status of the patent you're interested in — pending, granted, or expired?

How are you searching



Specific words or phrases that describe the technical features of an invention

International patent classification

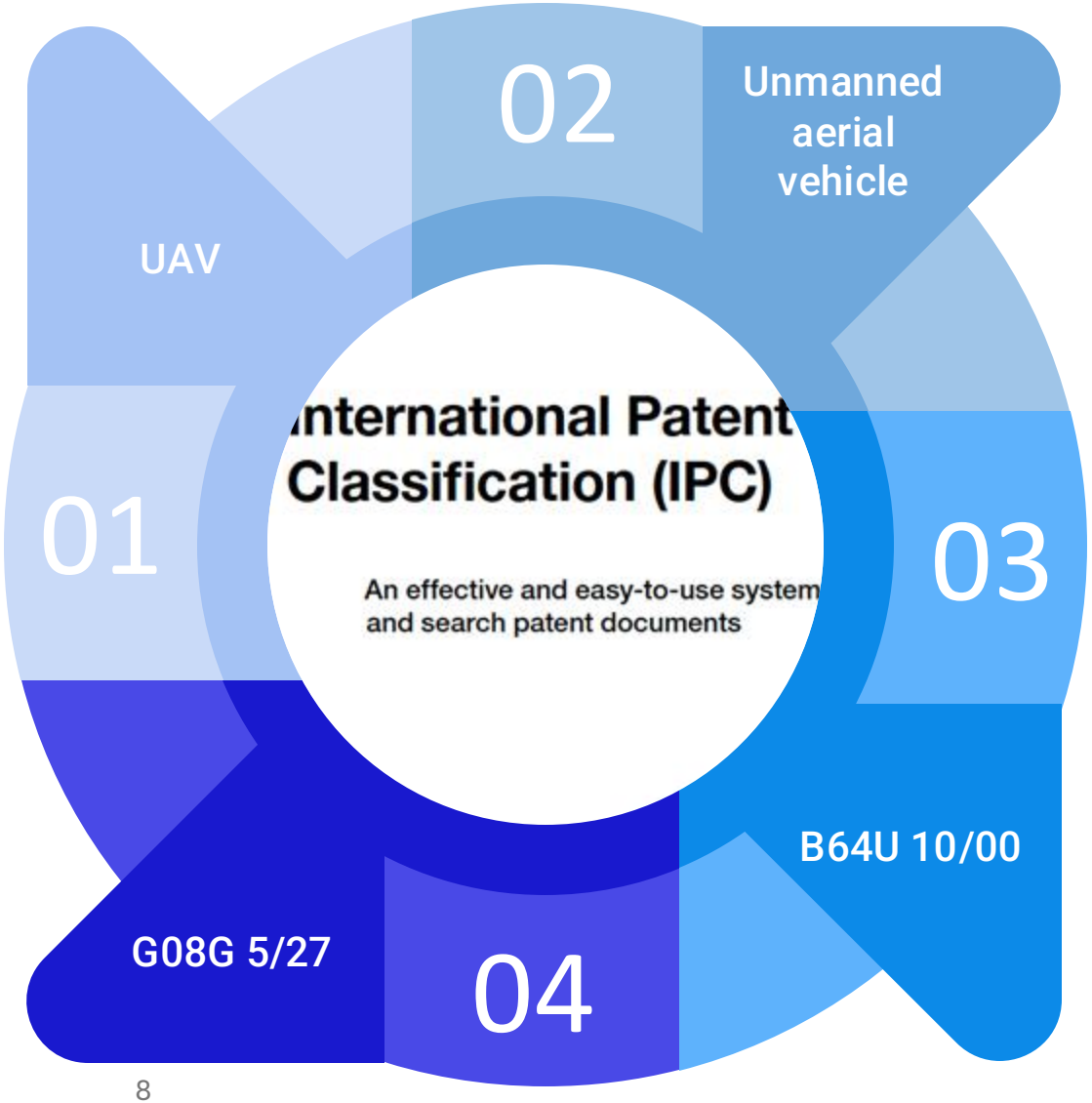
Names of inventors, legal entities, applicants

Combination of search parameters in the query search

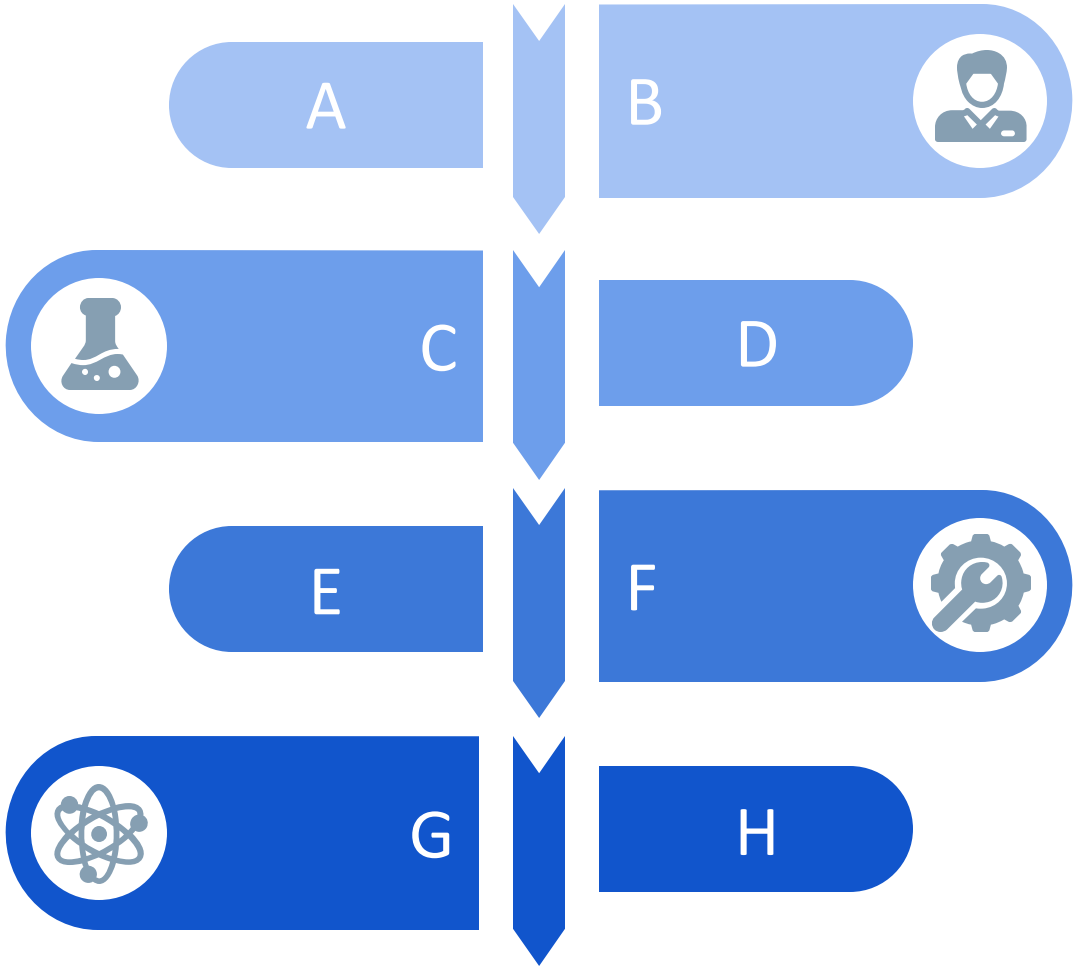
Key words and IPC classification

UAV
Unmanned aerial vehicle
Drone
Vertical take-off and landing
Fixed-wing aircraft
Flying platforms

B defines the general class such as:
PERFORMING OPERATIONS; TRANSPORTING
B64 defines specific for aviation:
AIRCRAFT; AVIATION; COSMONAUTICS
B64U
UNMANNED AERIAL VEHICLES [UAV];
EQUIPMENT THEREFOR [2023.01]
B64U 10/00
Type of UAV [2023.01]
G08G 5/27
for managing network coverage, e.g. ensuring transmission connections for UAVs [2025.01]



IPC classification



A: Human necessities

B: Performing operations; transporting

C: Chemistry; metallurgy

D: Textiles; paper

E: Fixed constructions

F: Mechanical engineering; lighting; heating; weapons; blasting

G: Physics

H: Electricity

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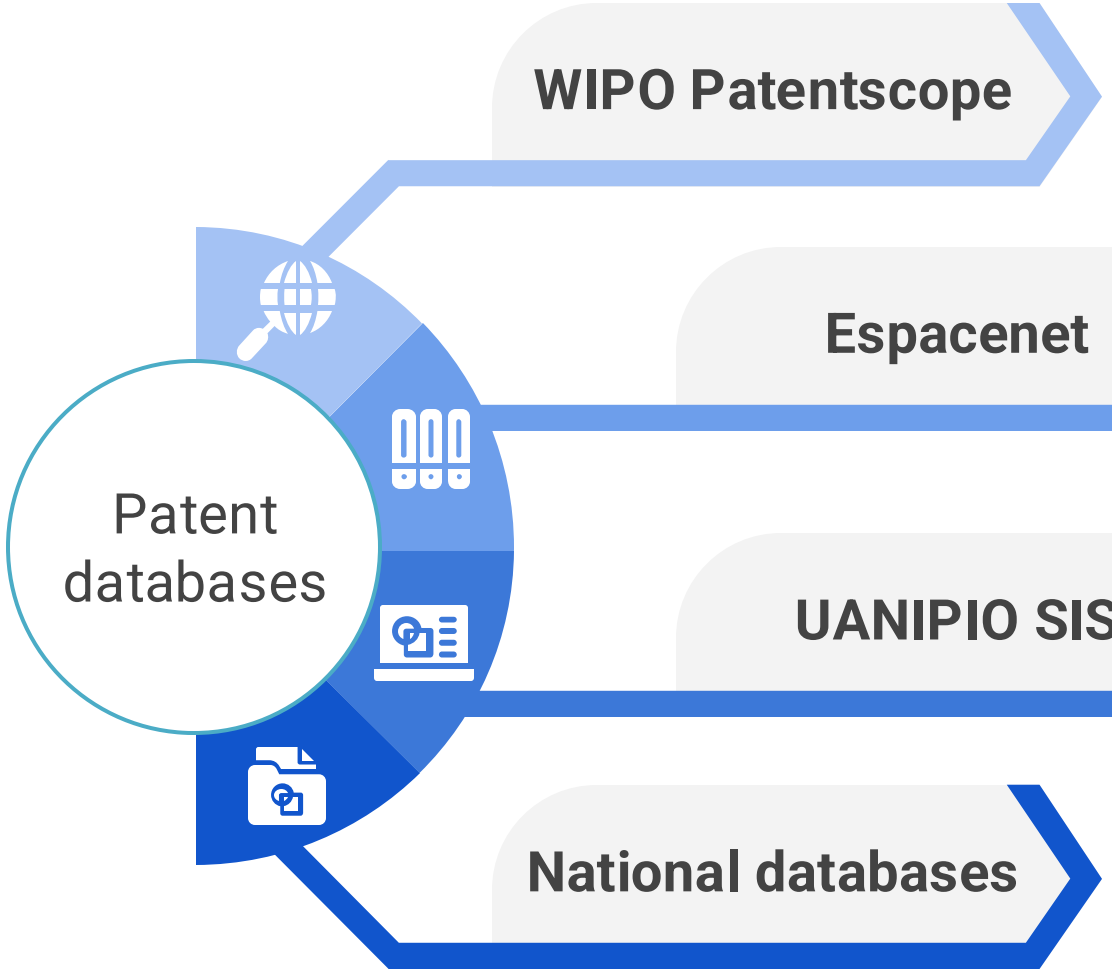
Patent databases for search



Search 122.1 million patent documents including 5.1 million published international patent applications

Espacenet offers free access to more than 150 million patent documents worldwide

Ukrainian national special information system for intellectual property search

Lens.org, Google patents, DPMA database, OEPM database

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UANIPIO Special information system

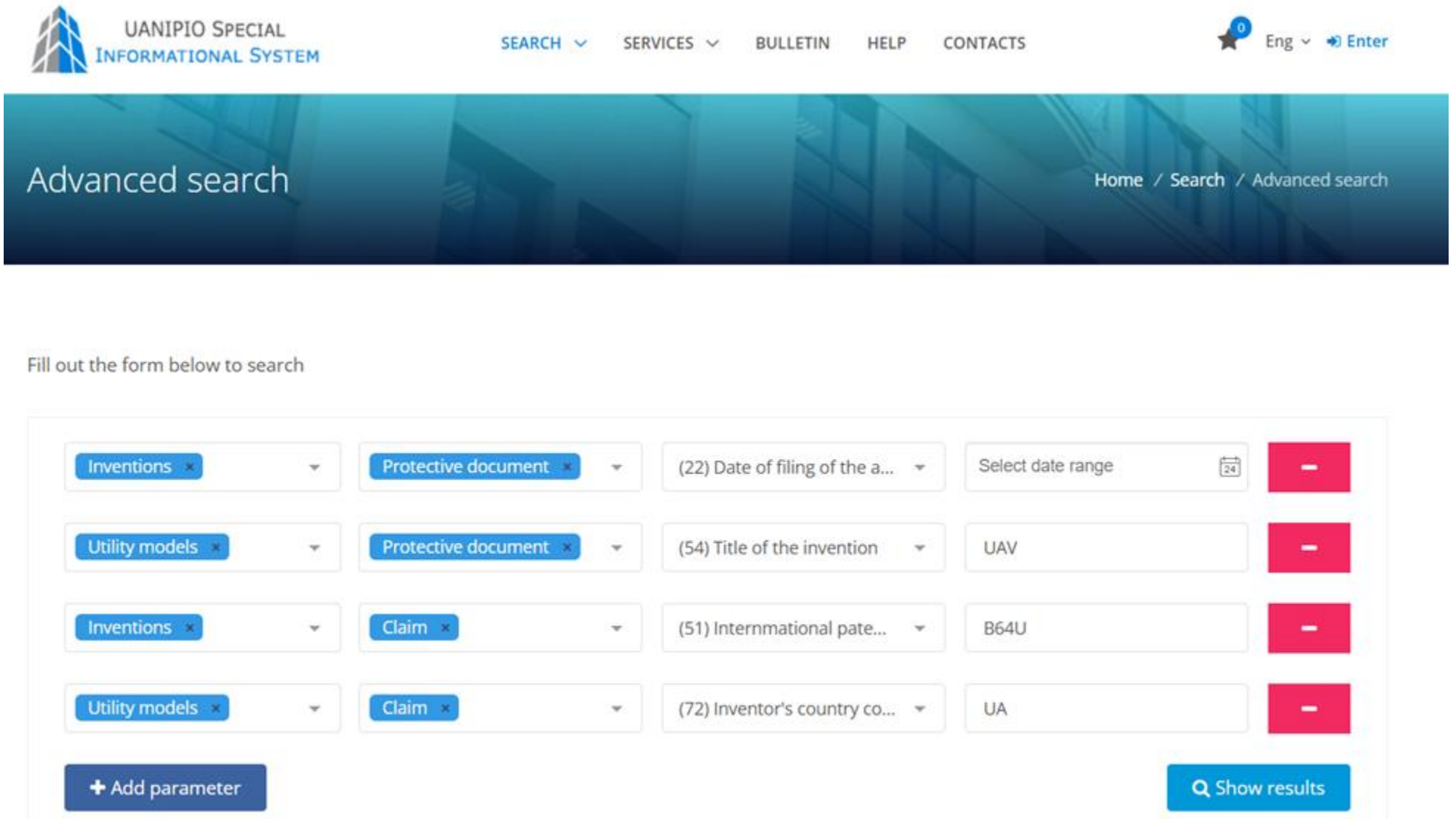
1 **Simple** — Simple search of applications and granted patents as well as their status

2 **Advanced** — Advanced search parameters for more refined search to receive specific results

3 **Services** — Receive information about your application and search for patent attorneys

4 **Bulletin** — Search for published bulletins with information about trademarks and geographical indications

UANIPIO Special information system



Espacenet search system

1. **Simple** — Simple search of applications and granted patents as well as their status
2. **Advanced** — Advanced search parameters for more refined search to receive specific results, including patent families
3. **Filters** — Receive necessary information separated by countries, applicants, retrospective etc
4. **Popup tips** — Contextual information boxes that appear on a computer screen when a user hovers over

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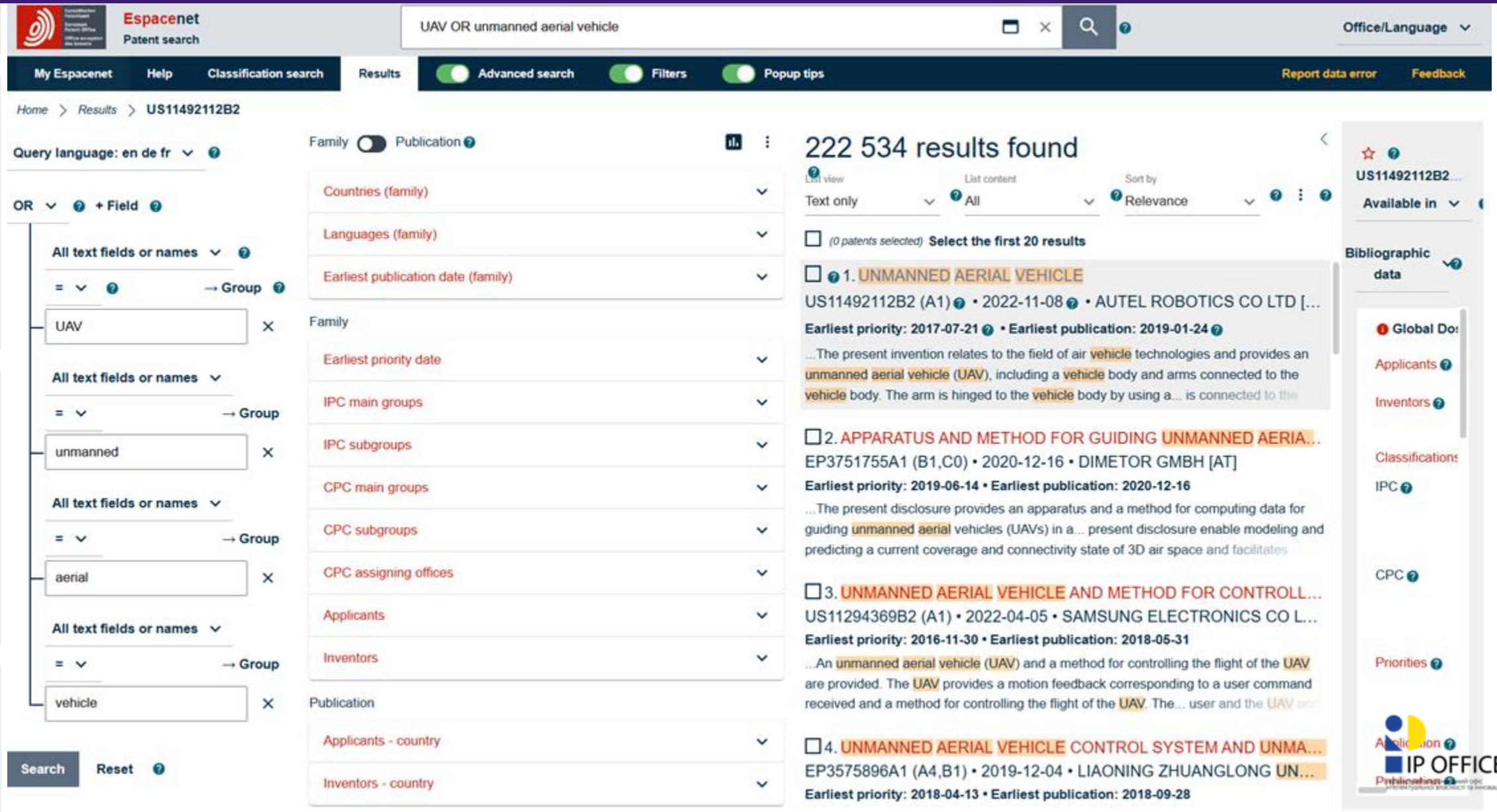
Espacenet search system



Patentscope WIPO

1 **Simple**

Simple search of applications and granted patents as well as their status

2 **Advanced**

Use of search fields, operators and criteria to build advanced queries from scratch

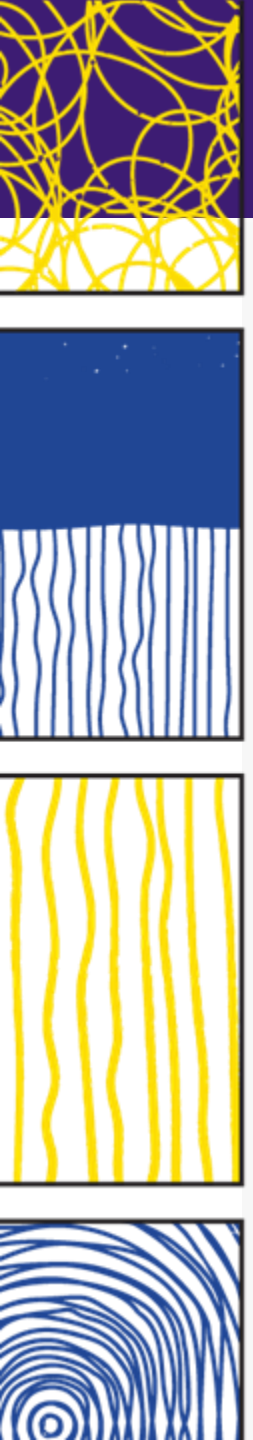
3 **Field**

Use and combine many predefined fields to build more complex queries

4 **Cross lingual**

Use CLIR to add synonyms and their translations to your query in order to search in collections disclosed in a foreign language

Patentscope WIPO



Feedback Search Browse Tools Settings

PATENTSCOPE 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: English Title		Value
Operator: AND		Field: All Classifications		Is Empty: N/A
Operator: AND		Field: Licensing availability		☐

Add another search field Reset search fields

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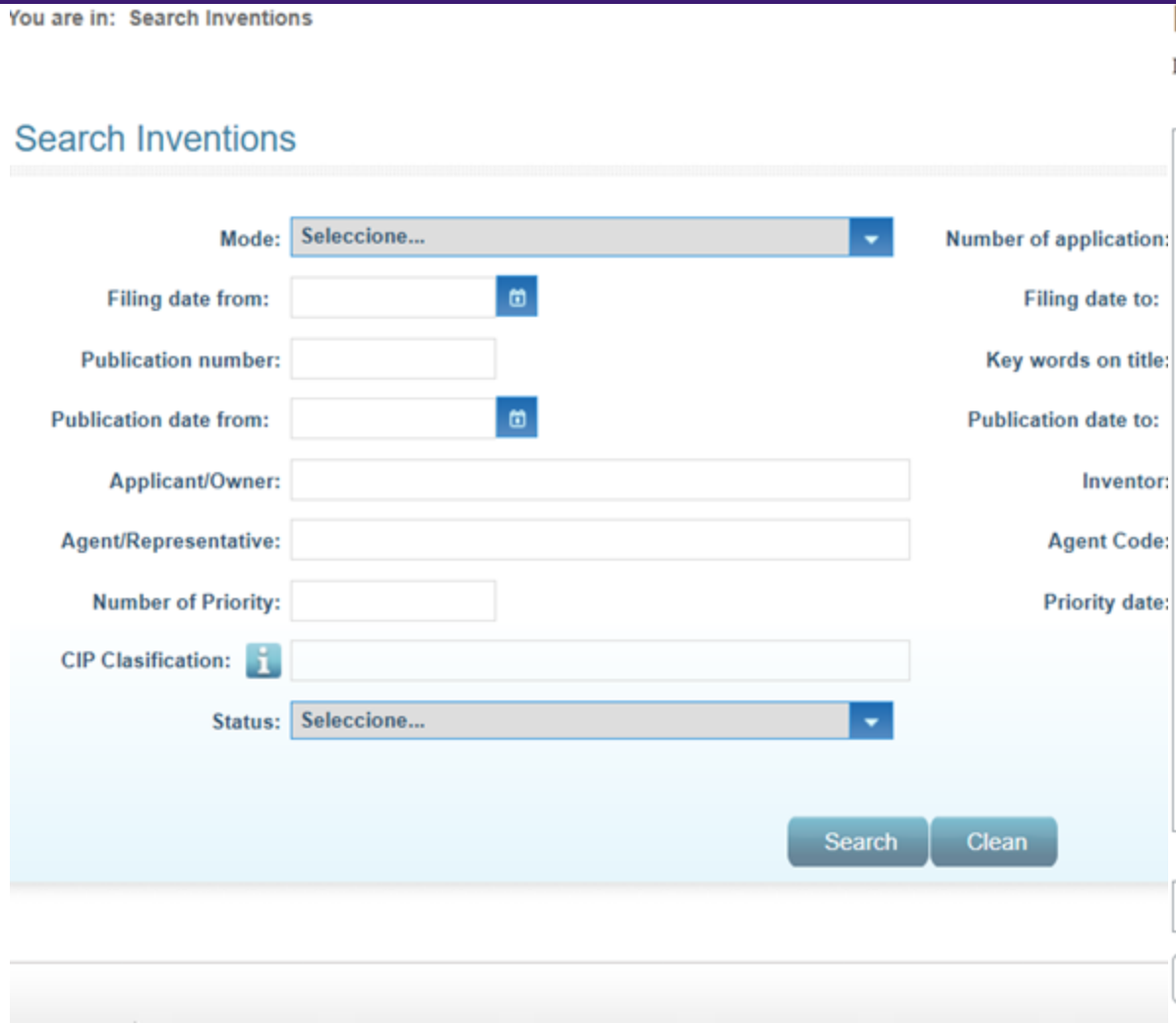
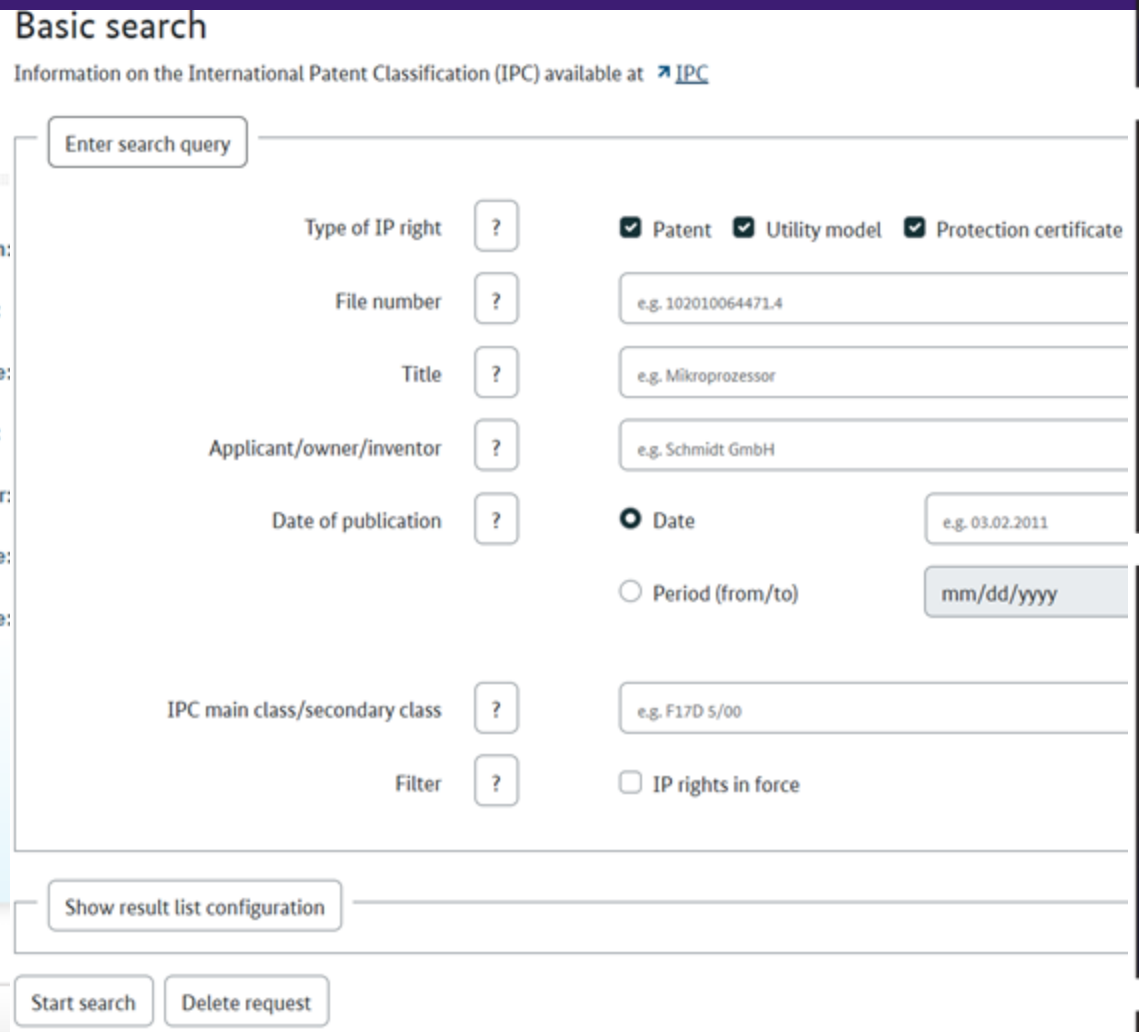
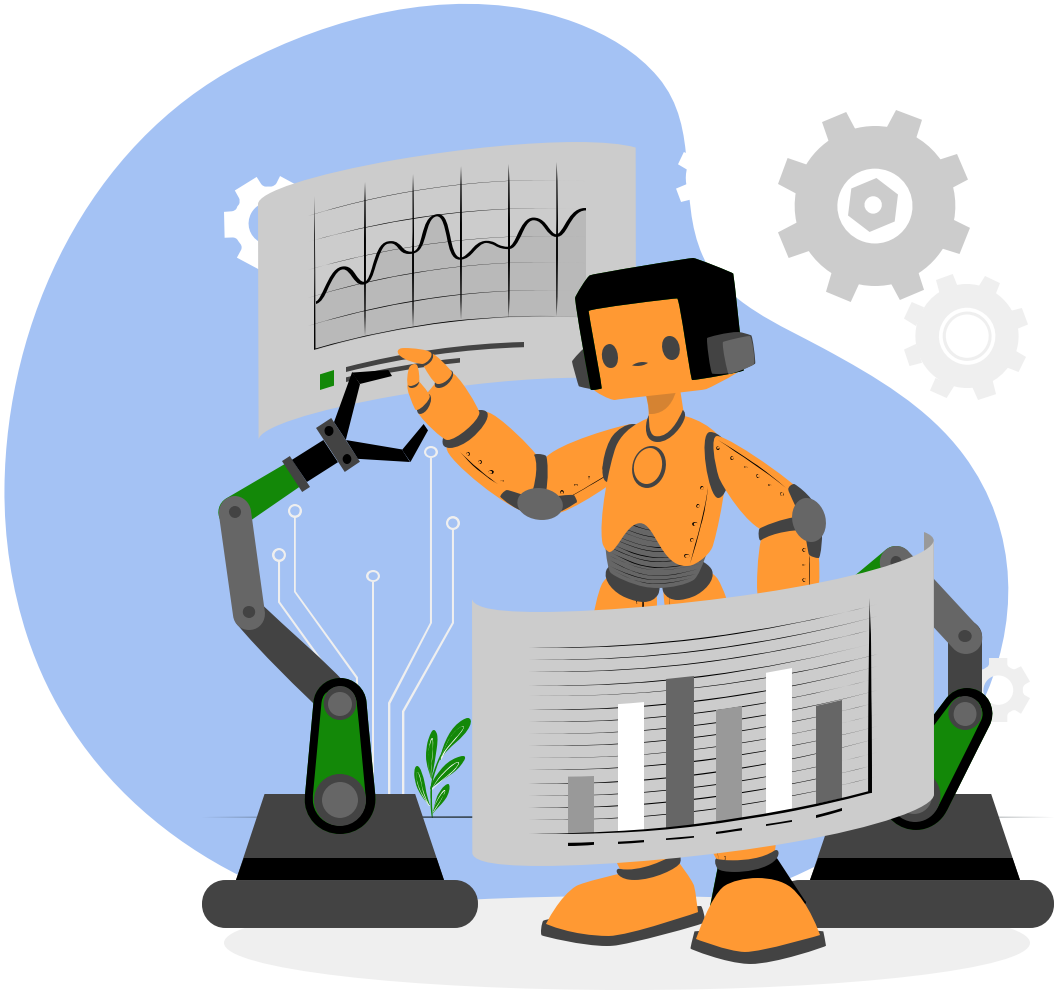
National patent databases





ASPI patent databases



ASPI WIPO

The Access to Specialized Patent Information (ASPI) Program was developed as a public-private partnership by the World Intellectual Property Organization in collaboration with its partners LexisNexis, Minesoft, Questel, and WIPS Global, among others. The goal of this partnership is to support developing countries in better exploiting their innovation potential by using the valuable information contained in patent documents to develop new solutions to technical problems that arise at the local and international levels.

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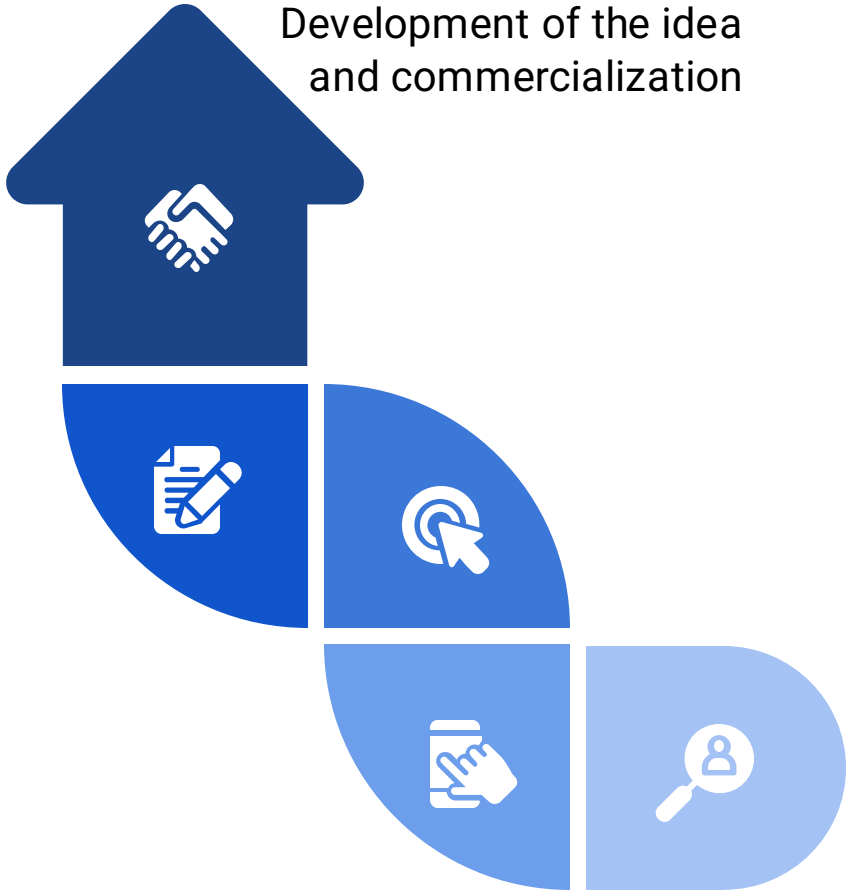
ASPI patent databases

LexisNexis TotalPatent One	***Minesoft***	***Questel***	***Ambercite***
LexisNexis TotalPatent One	PatBase Chemical Explorer PatBase Express	Orbit Intelligence v1.9.8	Ambercite AI
Clarivate analytics	***WIPS Global***	***Gridlogics***	***PatSnap***
Derwent Innovation	WIPS Global	PatSeer	PatSnap Analytics + Insights

Conclusion



In today's fast-paced and competitive innovation landscape, conducting thorough patent searches is not just a formality — it's a strategic necessity. Patent searches help ensure the novelty of new ideas, avoid potential infringement risks, and uncover valuable insights into technological trends, market opportunities, and competitor activity.

By effectively combining keywords and IPC classifications, inventors can navigate vast patent databases with precision, fostering smarter, more informed innovation decisions.

Ultimately, integrating patent search into the R&D and product development process strengthens intellectual property strategies, reduces legal risks, and supports the long-term success of any technology-driven venture.

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