

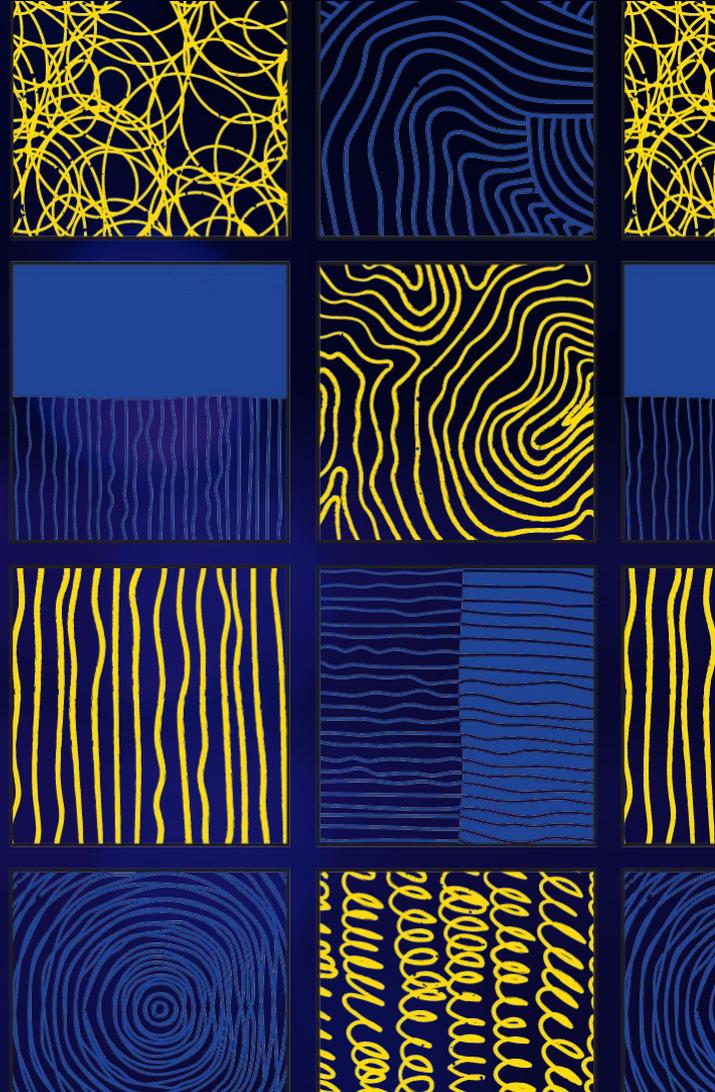


IP OFFICE

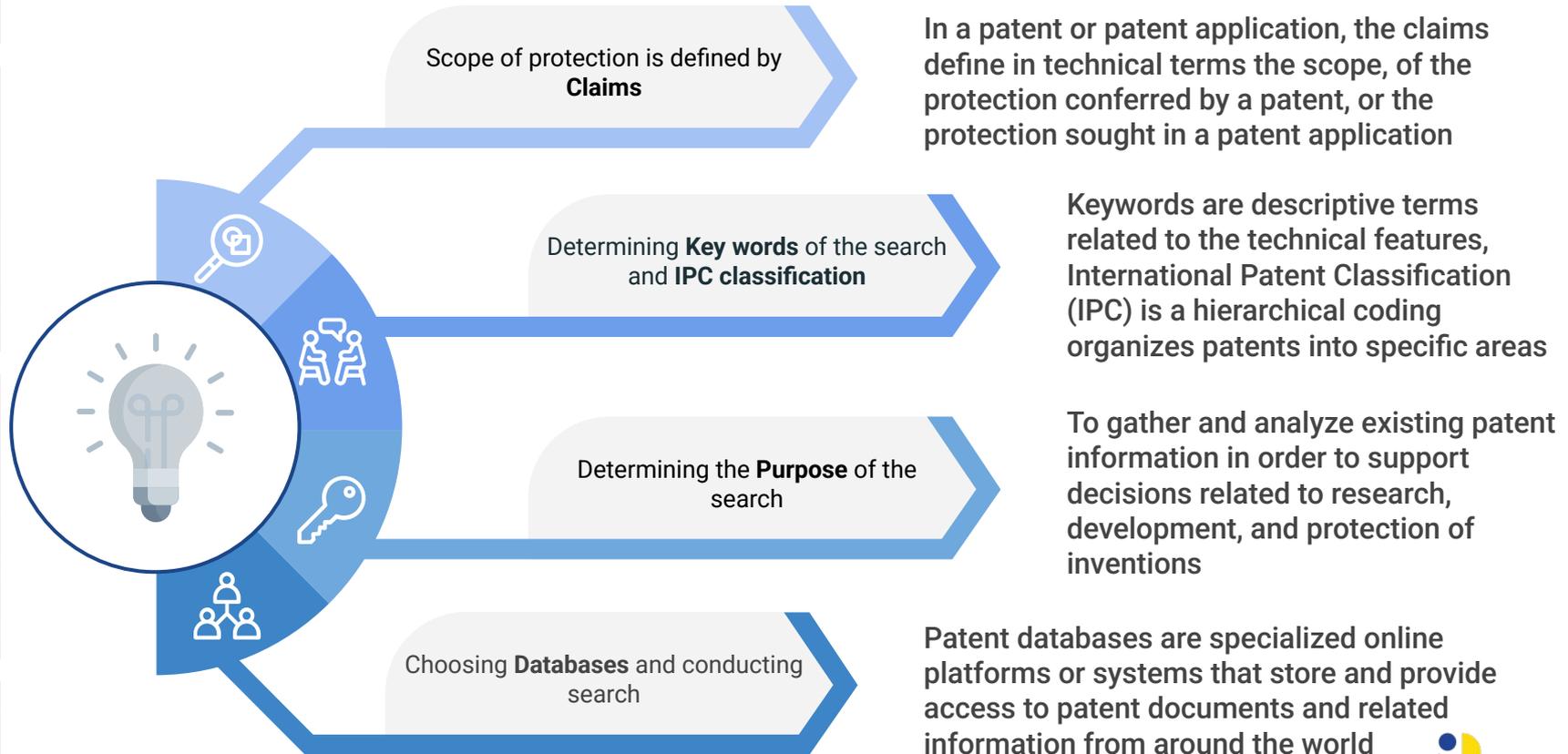
Український національний офіс
інтелектуальної власності та інновацій

Patent databases and access to patent information, specialized patent search

Ihor Shevchenko deputy head of the unit of the innovation
indicator analysis and patent information



General information about searches



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

Application

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

Registration

Registration of the application and grant process

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



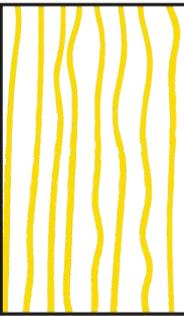
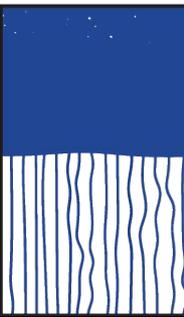
Searching for specific invention or citation in different patents

Searching in the technological field with all relevant patents



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

Searching for specific legal entity or natural person



Determining the purpose of the search

01



Novelty search and infringement

Solution to a specific problem



02

03



Keeping up to date in specific field of technology

Company/inventor search, status of the patent



04

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

Keywords



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

IPC



International patent classification

Names



Names of inventors, legal entities, applicants

Combination



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; TRANSPORTIN

B64 defines specific for aviation:

AIRCRAFT; AVIATION; COSMONAUTICS

B64U

UNMANNED AERIAL VEHICLES [UAV];

EQUIPMENT THEREFOR [2023.01]

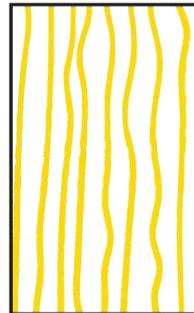
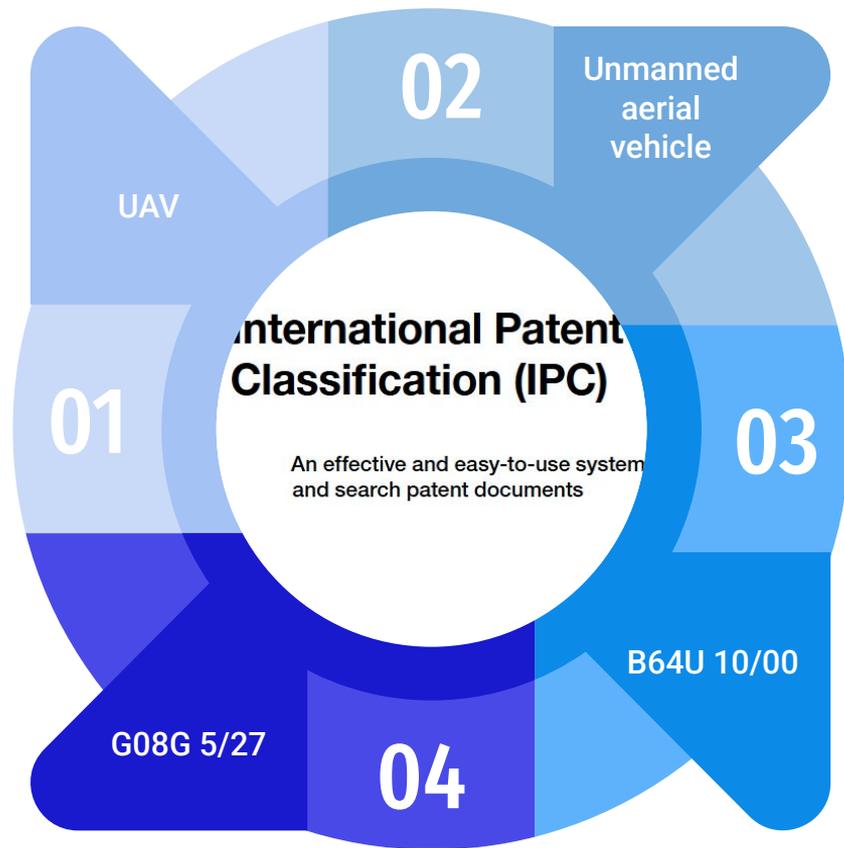
B64U 10/00

Type of UAV [2023.01]

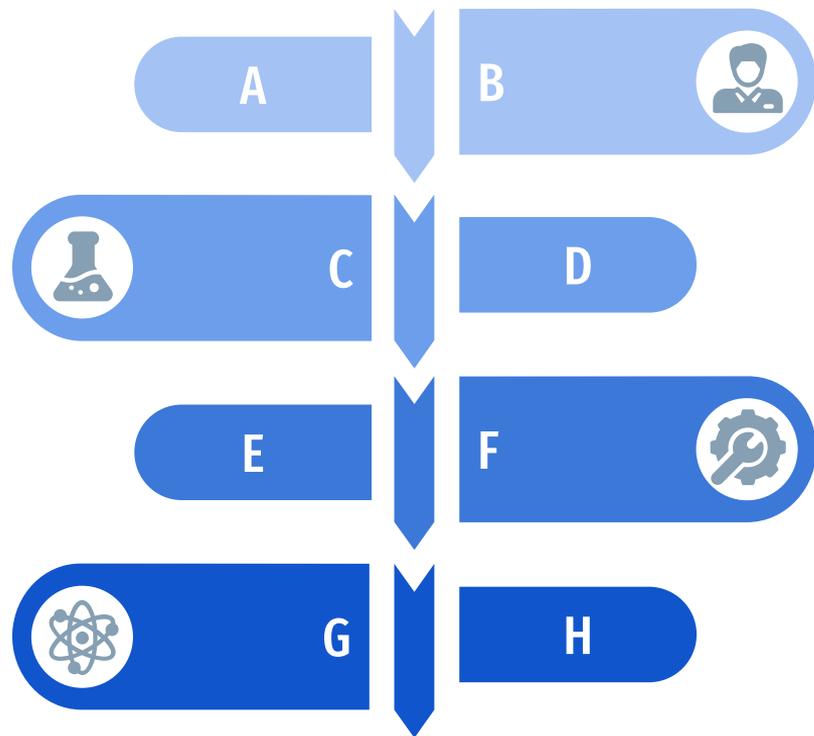
G08G 5/27

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

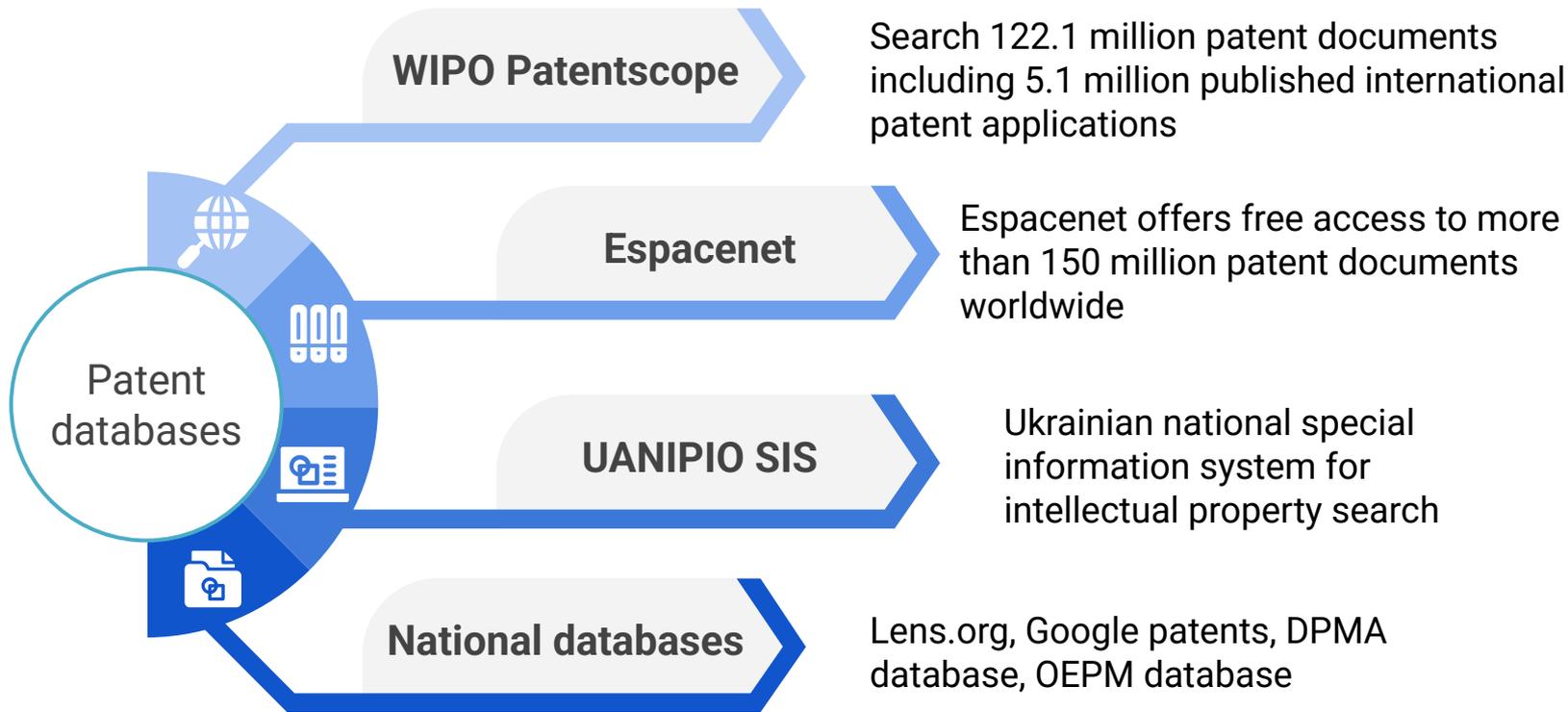
E: Fixed constructions

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

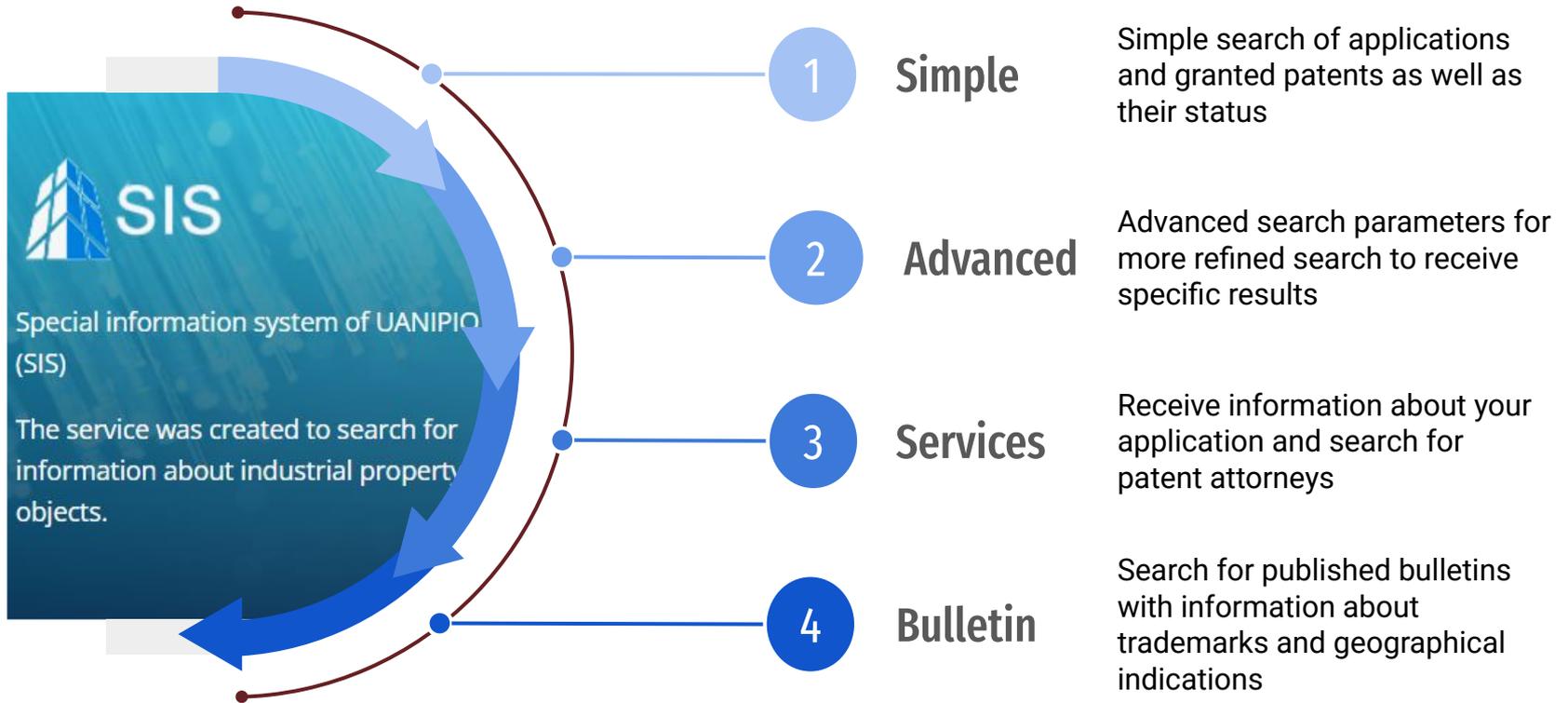
G: Physics

H: Electricity

Patent databases for search



UANIPPIO Special information system



UANIPIO Special information system



[SEARCH](#) ▾ [SERVICES](#) ▾ [BULLETIN](#) [HELP](#) [CONTACTS](#)

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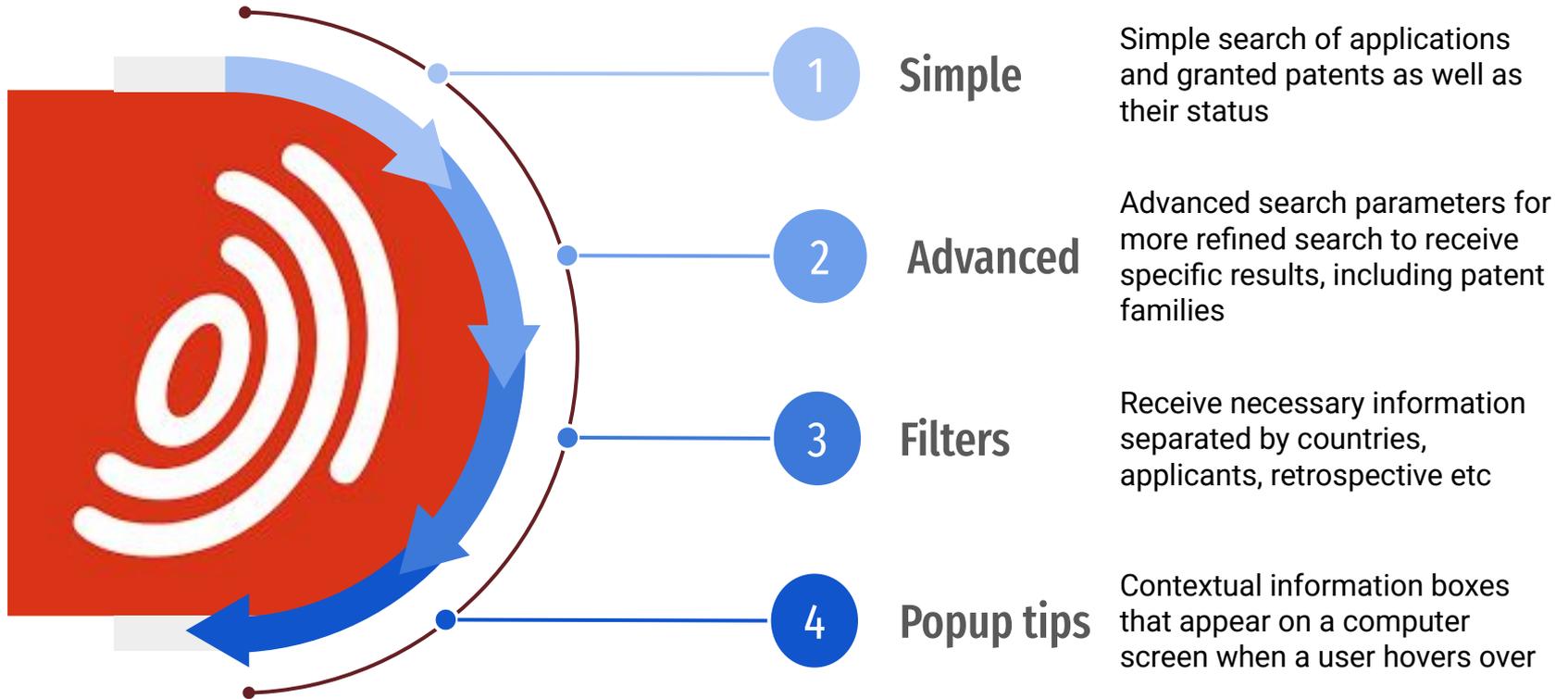
Advanced search

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Fill out the form below to search

<input type="text" value="Inventions"/>	<input type="text" value="Protective document"/>	<input type="text" value="(22) Date of filing of the a..."/>	<input type="text" value="Select date range"/>		
<input type="text" value="Utility models"/>	<input type="text" value="Protective document"/>	<input type="text" value="(54) Title of the invention"/>	<input type="text" value="UAV"/>		
<input type="text" value="Inventions"/>	<input type="text" value="Claim"/>	<input type="text" value="(51) Internmtional pate..."/>	<input type="text" value="B64U"/>		
<input type="text" value="Utility models"/>	<input type="text" value="Claim"/>	<input type="text" value="(72) Inventor's country co..."/>	<input type="text" value="UA"/>		
<input type="button" value="+ Add parameter"/>					<input type="button" value="🔍 Show results"/>

Espacenet search system



Espacenet search system



Espacenet
Patent search

UAV OR unmanned aerial vehicle



Office/Language

My Espacenet

Help

Classification search

Results

Advanced search

Filters

Pop up tips

Report data error

Feedback

Home > Results > US11492112B2

Query language: en de fr

OR + Field

All text fields or names

= Group

UAV

All text fields or names

= Group

unmanned

All text fields or names

= Group

aerial

All text fields or names

= Group

vehicle

Search

Reset

Family Publication

Countries (family)

Languages (family)

Earliest publication date (family)

Family

Earliest priority date

IPC main groups

IPC subgroups

CPC main groups

CPC subgroups

CPC assigning offices

Applicants

Inventors

Publication

Applicants - country

Inventors - country

222 534 results found

List view

List content

Sort by

Text only

All

Relevance

(0 patents selected) Select the first 20 results

1. UNMANNED AERIAL VEHICLE

US11492112B2 (A1) • 2022-11-08 • AUTEL ROBOTICS CO LTD [...]

Earliest priority: 2017-07-21 • Earliest publication: 2019-01-24

...The present invention relates to the field of air vehicle technologies and provides an unmanned aerial vehicle (UAV), including a vehicle body and arms connected to the vehicle body. The arm is hinged to the vehicle body by using a... is connected to the

2. APPARATUS AND METHOD FOR GUIDING UNMANNED AERIA...

EP3751755A1 (B1,C0) • 2020-12-16 • DIMETOR GMBH [AT]

Earliest priority: 2019-06-14 • Earliest publication: 2020-12-16

...The present disclosure provides an apparatus and a method for computing data for guiding unmanned aerial vehicles (UAVs) in a... present disclosure enable modeling and predicting a current coverage and connectivity state of 3D air space and facilitates

3. UNMANNED AERIAL VEHICLE AND METHOD FOR CONTROLL...

US11294369B2 (A1) • 2022-04-05 • SAMSUNG ELECTRONICS CO L...

Earliest priority: 2016-11-30 • Earliest publication: 2018-05-31

...An unmanned aerial vehicle (UAV) and a method for controlling the flight of the UAV are provided. The UAV provides a motion feedback corresponding to a user command received and a method for controlling the flight of the UAV. The... user and the UAV and

4. UNMANNED AERIAL VEHICLE CONTROL SYSTEM AND UNMA...

EP3575896A1 (A4,B1) • 2019-12-04 • LIAONING ZHUANGLONG UN...

Earliest priority: 2018-04-13 • Earliest publication: 2018-09-28



US11492112B2...

Available in

Bibliographic data

Global Doi

Applicants

Inventors

Classifications

IPC

CPC

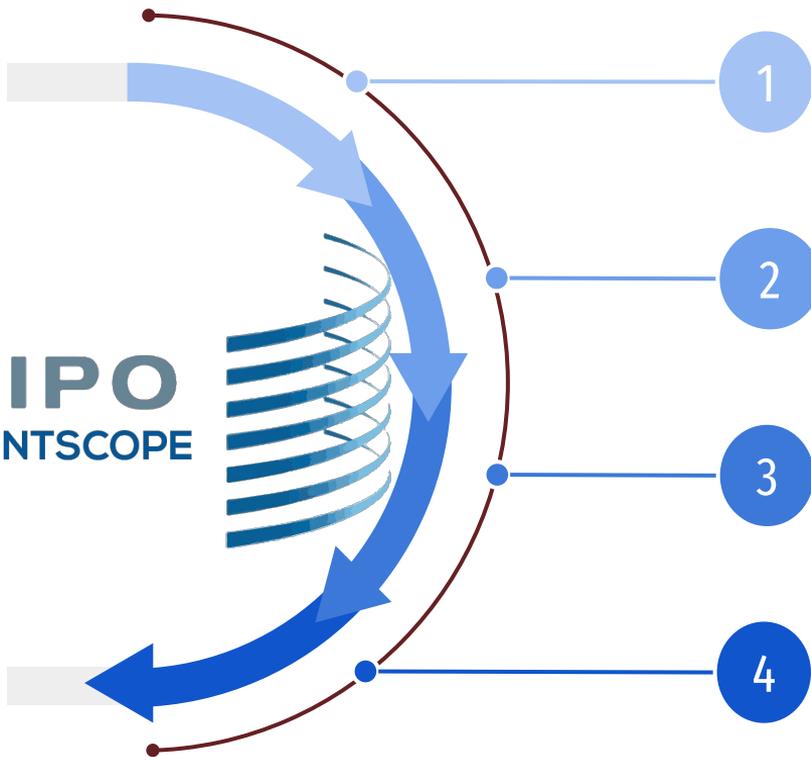
Priorities

Application

IP OFFICE
Информационно-аналитический центр

Patentscope WIPO

WIPO
PATENTSCOPE



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 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	▼	<input type="checkbox"/>	

+ Add another search field - Reset search fields

National patent databases

You are in: Search Inventions

Search Inventions

Mode: Seleccione...

Filing date from:

Publication number:

Publication date from:

Applicant/Owner:

Agent/Representative:

Number of Priority:

CIP Clasification:

Status: Seleccione...

Number of application:

Filing date to:

Key words on title:

Publication date to:

Inventor:

Agent Code:

Priority date:

Basic search

Information on the International Patent Classification (IPC) available at [IPC](#)

Enter search query

Type of IP right

File number

Title

Applicant/owner/inventor

Date of publication

IPC main class/secondary class

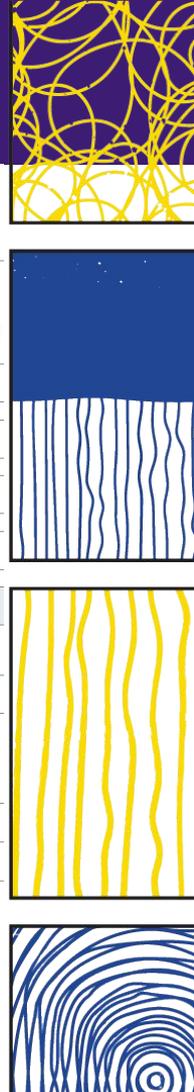
Filter

Patent Utility model Protection certificate

Date

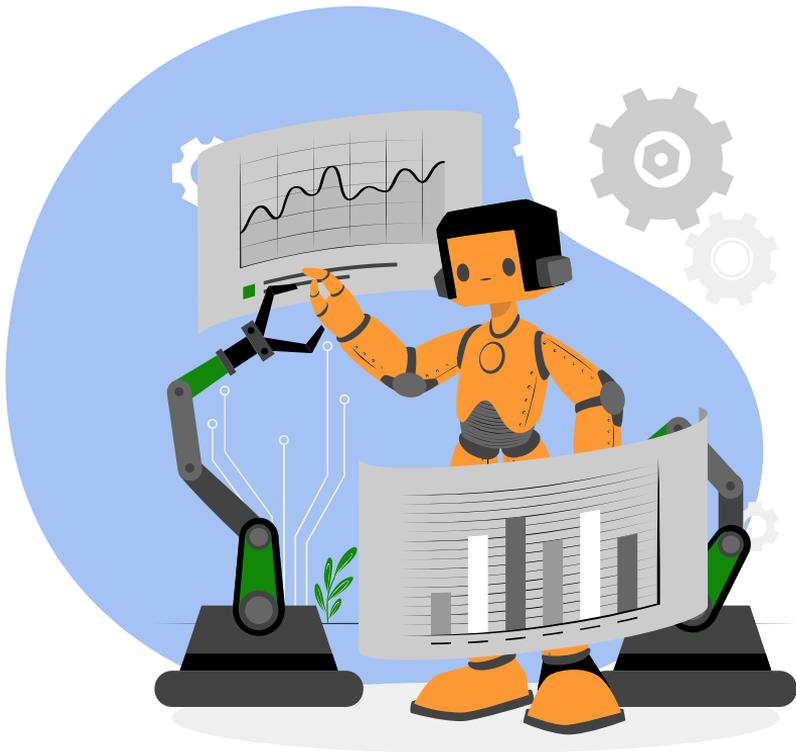
Period (from/to)

IP rights in force



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.



ASPI patent databases

LexisNexis TotalPatent One

LexisNexis TotalPatent
One



Minesoft

PatBase Chemical Explorer
PatBase Express



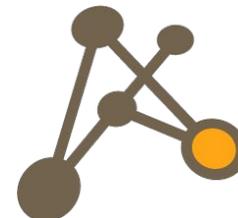
Questel

Orbit Intelligence v1.9.8



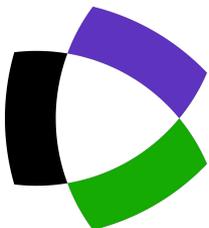
Ambercite

Ambercite AI



Clarivate analytics

Derwent Innovation



WIPS Global

WIPS Global



Gridlogics

PatSeer



PatSnap

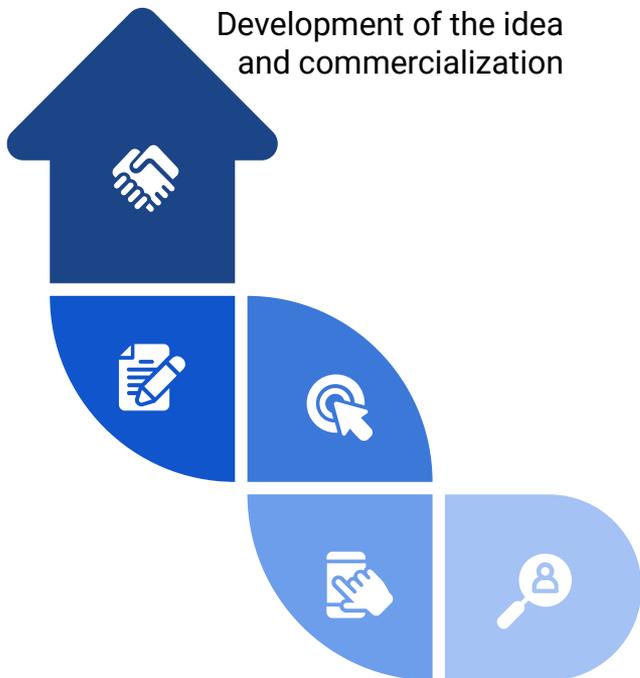
PatSnap Analytics +
Insights



Conclusion

Development

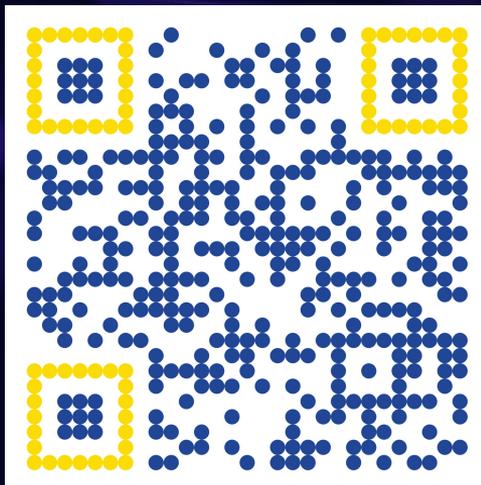
Development of the idea and commercialization



Idea

Creation of the concept

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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