Questel

ORBIT
Intelligence

- Unparalleled Patent coverage
- Rich fields for exhaustive search
- Leverage trustworthy GenAI
- Fast results under control
- Unique data sets: SEP, IDS, BIOSEQUENCES, NPL, etc.
- Unmatched accuracy and precision

Sophia
Your AI Agent

Questel serves 20k clients Worldwide

Join our community of satisfied clients

Intelligence

#1 IP Data Quality

Up-to-date and normalized IP & NPL data

- 165M+ Patents, 110 patent-issuing authorities, single invention grouping

- Litigation, opposition, data licenses, standard essential patents, grant statistics

- AI enhanced and AI based searches, AI classifier

- ISO 27001 compliant

- 100,000 users – 5,000 clients

Content as a service API

A data-driven patent world

Every day, 8,000 patents are filed, and 1,000 scientific articles are published. You can't read everything, **but you can't miss anything!**

Our mission

Provide you with the best-in-class patent, design and NPL data, exploited by functions boosted by AI to be able to carry out all your patent searches, landscapes, benchmarks, patent watches and valuations
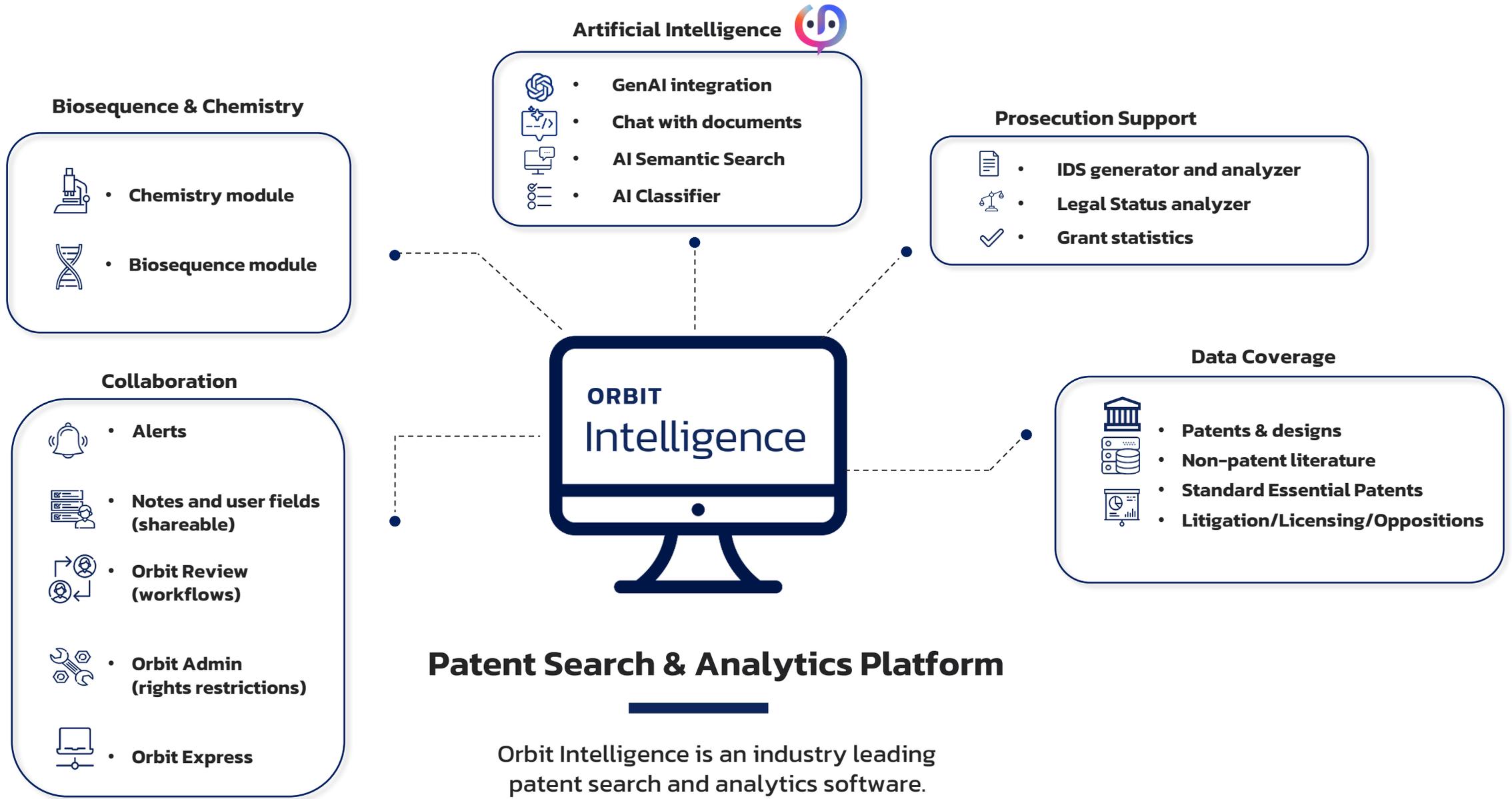
Next steps

- Schedule an expert demo based
- Get your hands on the tool with a 2 weeks trial including kick-off training
- Receive a commercial offer
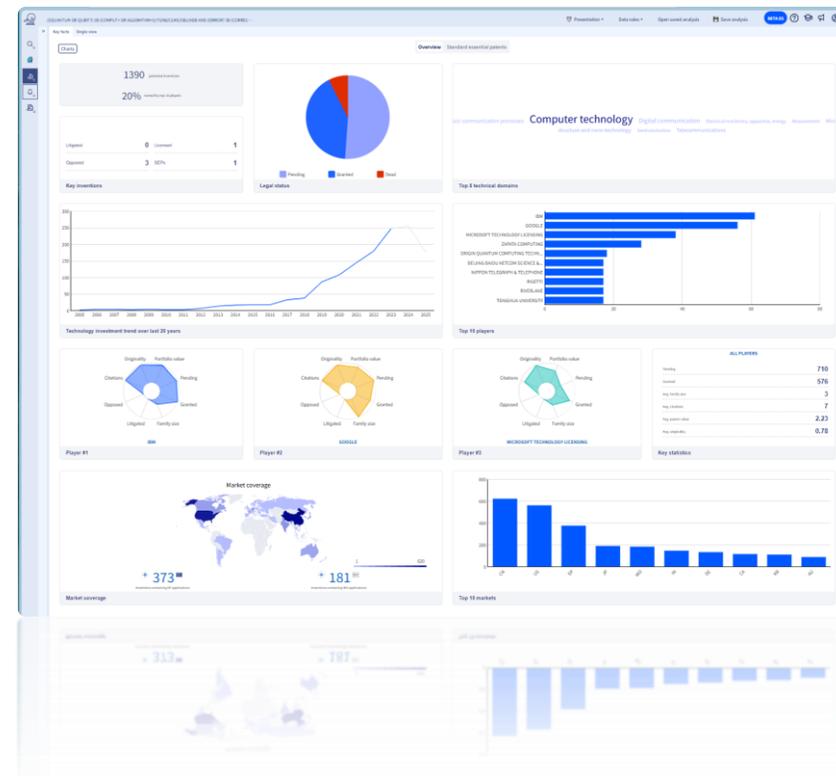
Data in Glance

72 full text
100+ biblio
77 industrial designs
60+ legal status

100k+ NPL
480M+ bio sequences
36M+ chemicals
155k+ Standards

Questel

Artificial Intelligence
- GenAI integration
- Chat with documents
- AI Semantic Search
- AI Classifier

Biosequence & Chemistry
- Chemistry module
- Biosequence module

Prosecution Support
- IDS generator and analyzer
- Legal Status analyzer
- Grant statistics

Collaboration
- Alerts
- Notes and user fields (shareable)
- Orbit Review (workflows)
- Orbit Admin (rights restrictions)
- Orbit Express

Data Coverage
- Patents & designs
- Non-patent literature
- Standard Essential Patents
- Litigation/Licensing/Oppositions

ORBIT Intelligence

Patent Search & Analytics Platform

Orbit Intelligence is an industry leading patent search and analytics software.

Through one platform you can search, analyze, and collaborate on relevant data to drive actionable IP decisions.

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Data

DATA COVERAGE

- **110 patent authorities**
  73 in full text
  60+ with legal status
  45 with citations
- **Citations (X, Y, 102, 103...)**
- **Licensing data (SEC)**
- **Standard Essential Patents**
- **Designs (77 jurisdictions)**
- **Business information**
- **Non-patent Literature**
  Scientific publications
  Clinical trials
  Government projects & grants
  Defensive publications

ENHANCED CONTENT

- **AI Assistants:** Powered by GenAI to get summaries, comparisons, claim graphs and classifications
- **AI Search & Review:** Powerful semantic searches with feature-by-feature review capabilities
- **Key content:** Semantically summarizes the full-text of the invention
- **Technical concepts:** Extract the main ideas of the patent using AI
- **Prosecution Analysis:** Unique module dedicated to understanding and supporting patent cases
- **Machine translation** of FULLTEXT records
- **Chemical structures**
- **Sequences**
- **Value Metrics:** Patent Value & Patent Strength; Technical Impact; Market Strategy; Patent Originality & Generality Indices...

LEGAL STATUS DATA

- **Sources**
  INPADOC
  USPTO official gazette
  US Patent Center
  CNIPA (Chinese Patent Office)
- **Alive/dead status**
- **Expected expiration date**
- **Term right extensions**
- **Oppositions**
- **Litigations**
- **FDA Orange book**
- **IDS generator & analyzer**
- **Grant statistics**

ASSIGNMENT DATA

- **Corporate tree**
- **Normalized names**
- **Reassignments**
- **Security interests**
- **Government interests**
- **Small companies**

ISO - 27001   ISO - 17100   ISO - 9001

All fields are searchable | More details on the data coverage page

Questel

Powerful searches

Sophia Query and Sophia Search

- **Easy Search**: Google-like search with automatic creation of the search query. Quick search for technologies, assignees or numbers.

- **Sophia Query**: Describe your search topic and intent in natural language. The AI will convert this in a comprehensive Boolean search query. Remove the heavy lifting in keyword-based searches by conversing with Sophia Query.

- Ideal for swift searching and analytics

- Enabling both novice and power users

Advanced search

Powerful search capabilities

Keywords & Synonyms

Assignee & Inventor

Corporate tree

Classifications

Legal status

Countries

Numbers

Cited documents

Standard Essential Patents

Measurements

UPC opt-outs

and more

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End-to-end novelty searches with Sophia Search 🤖

1. Sophia Search 🤖

State of the art AI models extract true key meanings and retrieve most relevant documents – without limitations to keywords.

2. Feature selection

Features are extracted from the text and can be validated as relevant to your search.

3. Instant novelty assessment

Immediate understanding which features are disclosed, partially disclosed or not disclosed. Automated novelty searches from start to finish!

Sophia search

Sophia Search 🤖
New **AI-based** search by Questel - developed by our team of AI experts - please note that for Features extraction, input

This invention pertains to an adaptive haptic feedback system designed to enhance user
virtual reality (VR), augmented reality (AR), and general human-computer interaction (HC
feedback patterns, lacking the nuanced and context-aware responses crucial for truly rea
ability to dynamically generate and modulate haptic feedback based on real-time enviro
sensor input array that captures information such as: Object Properties: Material compos
through visual analysis, depth sensing, and potentially pre-defined object libraries. User
pressure, and velocity of interaction, measured via integrated force sensors, accelerome
Environmental Context: Ambient conditions like air resistance (simulated), surface frictio
environment's physics engine and AI.

Invention disclosure
or technical text of interest

Features ⓘ

7 features selected for improved search and feature-to-text matching **Clear**

☑ **Dynamic Haptic Feedback Generation**
The system dynamically generates and modulates haptic feedback

☑ **Multi-Sensor Input Array**
A multi-sensor array captures diverse data streams including objec

☑ **Object Property Detection**
Object material, shape, weight, and temperature are inferred usin

☑ **User Interaction Sensing**

Feature extraction
and feature based search

The invention relates to the field of mechanical feedback, and discloses a virtual reality-based mechanical feedback method, which comprises five steps of
mechanical feedback simulation and user feeling. According to the method provided by the invention, the user can personally feel the touch feeling and the
immersion feeling is enhanced. A user can deeply participate in and experience a virtual reality scene through tactile feedback, and the degree of participation and
tactile feelings such as force, pressure and vibration and mechanical feedback, the user can more accurately perceive the characteristics of the virtual object, such a
enhances the fidelity and reality sense of virtual reality. In addition, mechanical feedback enables the user to interact with the virtual environment more directly an
perceive the position, shape, and motion of a virtual object through tactile feedback to more accurately operate and control elements in a virtual environment.

2 ☐ Virtual reality input and haptic feedback system

A virtual reality input and haptic feedback system for sensing hand movements of a user, the system comprises a processing device, a wearable object to be worn
electronic control device, and a feedback system. The feedback system comprises at least one fluidic actuation device, at least one expandable member, at least
haptic feedback device has a variable surface configured to simulate the softness or texture of a virtual surface. The processing device calculates the strength and am
hand from the input data, and controls the fluid actuation device and the movable valve, such that the expandable member expands under increased pressure to
pressure, and causes a change in the surface of the haptic feedback device, thereby providing the simulated pressure and the haptic senses of surface texture for the

Novelty assessment
with disclosed, partially disclosed or not disclosed feature indications

...object, which is perceived within an environment, suc
...e user interface device comprises a transceiver configur
...ce and outputs sensor data based on the measured spa
...ether audio and/or haptic feedback needs to be provid
...d information.

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Results review

- **Preview** the family structure & legal status
- **Concept** extraction using AI
- **Sophia Lab** to get summaries of patent, enhanced abstracts and claim graphs
- **Chat** with documents
- **Compare** patents / applications from same or different families
- Backward and forward **citations** including examiner rejections
- Identify the current **assignee** and access information on the company
- 12 **highlighting** colors supporting truncators and proximity operators
- **ImageLink** allows quick retrieval of reference numbers in claims and description
- Key words in context (**KWIC**) to better understand the results
- **Customize** the preview tab and add more tabs to view **legal status**, timeline and more
- Download **PDFs** and customize exports in several formats
- **Similarity** and citation searching
- **Save** the results in lists or workfiles

Patent watches

Keep patent information in check!

Avoid surprises by leveraging Questel's leading patent database.

1. Streamlined setup of alerts

For technologies, competitors, citations or legal status.

2. Flexible delivery

Continue in Orbit Intelligence or outside with delivery in XLS, CSV, PDF or XML to your inbox.

My alerts

General

Name: Quantum error correction

Title: Quantum computing surveillance

Subaccount: (Optional; alphanumeric characters only)

Update

Collections:
- ● world patents (full text & biblio) grouped by invention-based families (FamPat)
- ○ world patents (full text & biblio) grouped by applications (FullPat)
- ○ 71 authorities (full text only) displayed by individual country (Full Text)

Frequency: ● Weekly ○ Monthly

Update code:

RECOMMENDED	OTHERS
☑ UMTA - New invention with English content	☐ QW - Questel week
☑ UE - Adding new publication into an existing patent family	☐ UAB - New invention once receiving an original English conten
☐ UCT - Addition of cited documents - search report	☐ UABA - New invention with any original language content
☐ LGUP - Addition of any legal status information	☐ UEC - Adding CPC, IPC or USPCL codes for 1st time
	☐ UP - New invention with or without content at this time

Strategy

Edit strategy:

	Step #	Query	
Delete	1	(ERROR? 3D CORRECTI+)/TI/AB/CLMS/DESC/ODES/OBJ/ADB	Insert step
Delete	2	(US OR EP OR DE OR JP)/PN	Insert step
Delete	3	((QUANTUM OR QUBIT?) 3D (COMPUT+ OR ALGOR?THM+))/TI/···	Insert step
Delete	4	3 AND 1 AND 2	Insert step

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Interface adapted to purpose

Collaborating stakeholders

Easy user and data management using Orbit Admin
Data storage & categorization in workfiles
Stars, notes, attachments and user fields can be used to evaluate the records
Share data in workfiles with users of different levels
All changes to workfile data can be viewed instantaneously by all users

1. Orbit Intelligence
Powerful searching and analytics for patent searchers, specialists and analysts

2. Orbit Express
Easy patent searching and collaboration for R&D and management

3. Orbit Reader
Participation in patent review workflows

Manage Workflows

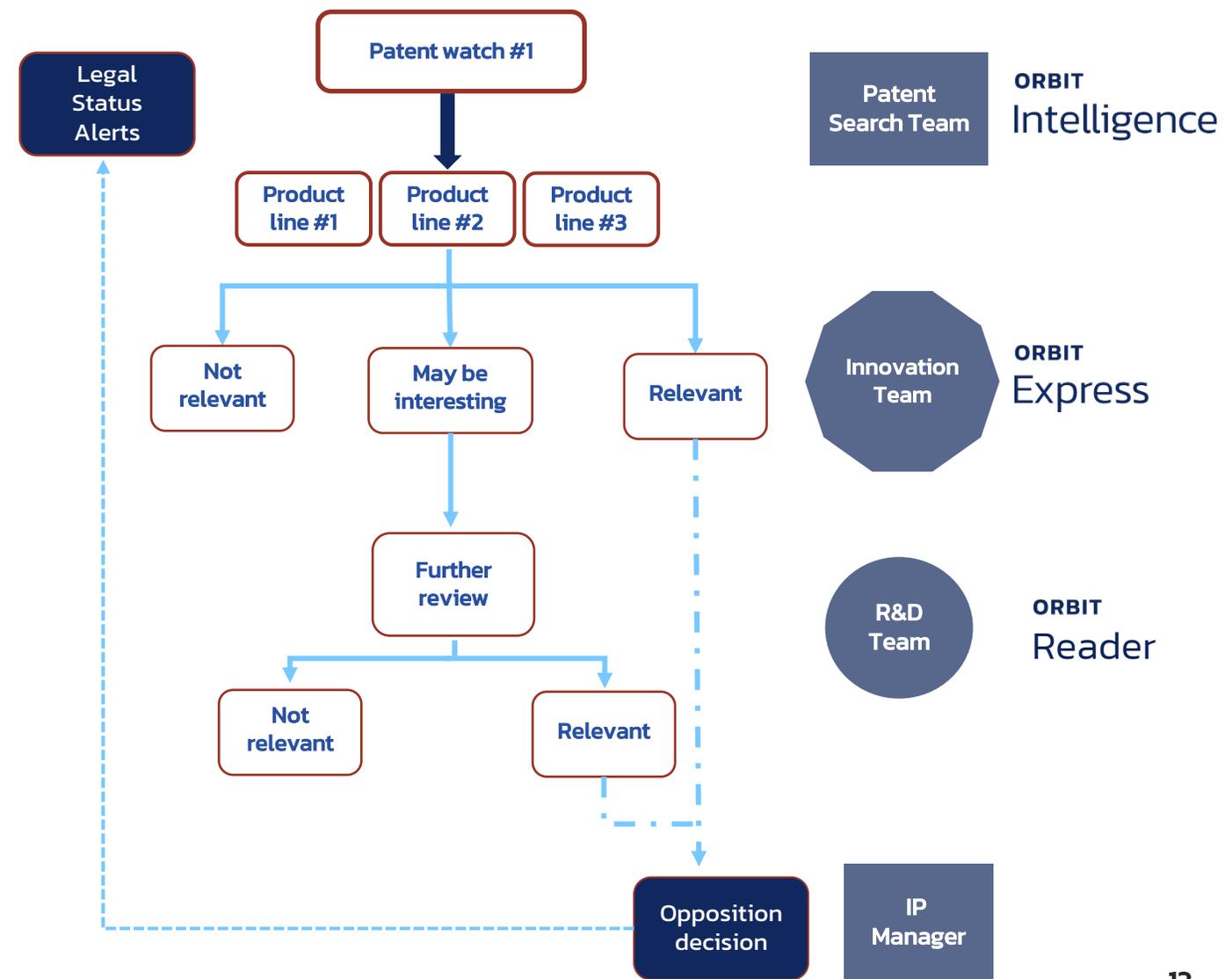**Seamless distribution of patent information to stakeholders.**

Increase acceptance to benefit from patent information by deploying interface levels in alignment with the user expertise.
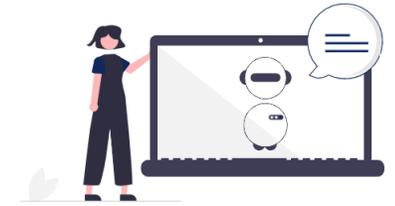
1. Create triggers and workflows

Generate real-time mail notifications
Automated patent review workflows
Take quicker actions via triggers
Deliver patent intelligence to all stakeholders

2. Get real time notifications when:

Patents are marked as important
User field values change
Changes to legal status
Documents are uploaded to your workfile
The patent family updates

Legal Status Alerts

Patent watch #1

Product line #1 | Product line #2 | Product line #3

Not relevant | May be interesting | Relevant

Further review

Not relevant | Relevant

Opposition decision

Patent Search Team — **ORBIT** Intelligence

Innovation Team — **ORBIT** Express

R&D Team — **ORBIT** Reader

IP Manager

Questel

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AI Classifier

**AI meets Orbit Intelligence**

- Efficient **patent classification** using AI and machine learning.

- **Tailored classifiers** to match your specific needs

- Seamlessly integrates with **existing alerts** in Orbit Intelligence.

- Saves time and resources with **automated classification**.

- **Enables informed decision-making** in patent landscape analysis.

- Better **patent portfolio management** for strategic innovation.

Prosecution Analysis

Simplify all prosecution activities

- Prosecution analytics: Assess grant probability, examiner stats, art unit analysis, and more.

- IDS builder: Generate EFS-compliant SB08 forms with the ability to import your prior art search results.

- IDS analyzer: Automate the process of gathering citations from across a patent family to update your IDS or attack competitors' IDS.

- Art unit predictor: Identify which art unit your application will likely land and your chance of grant.
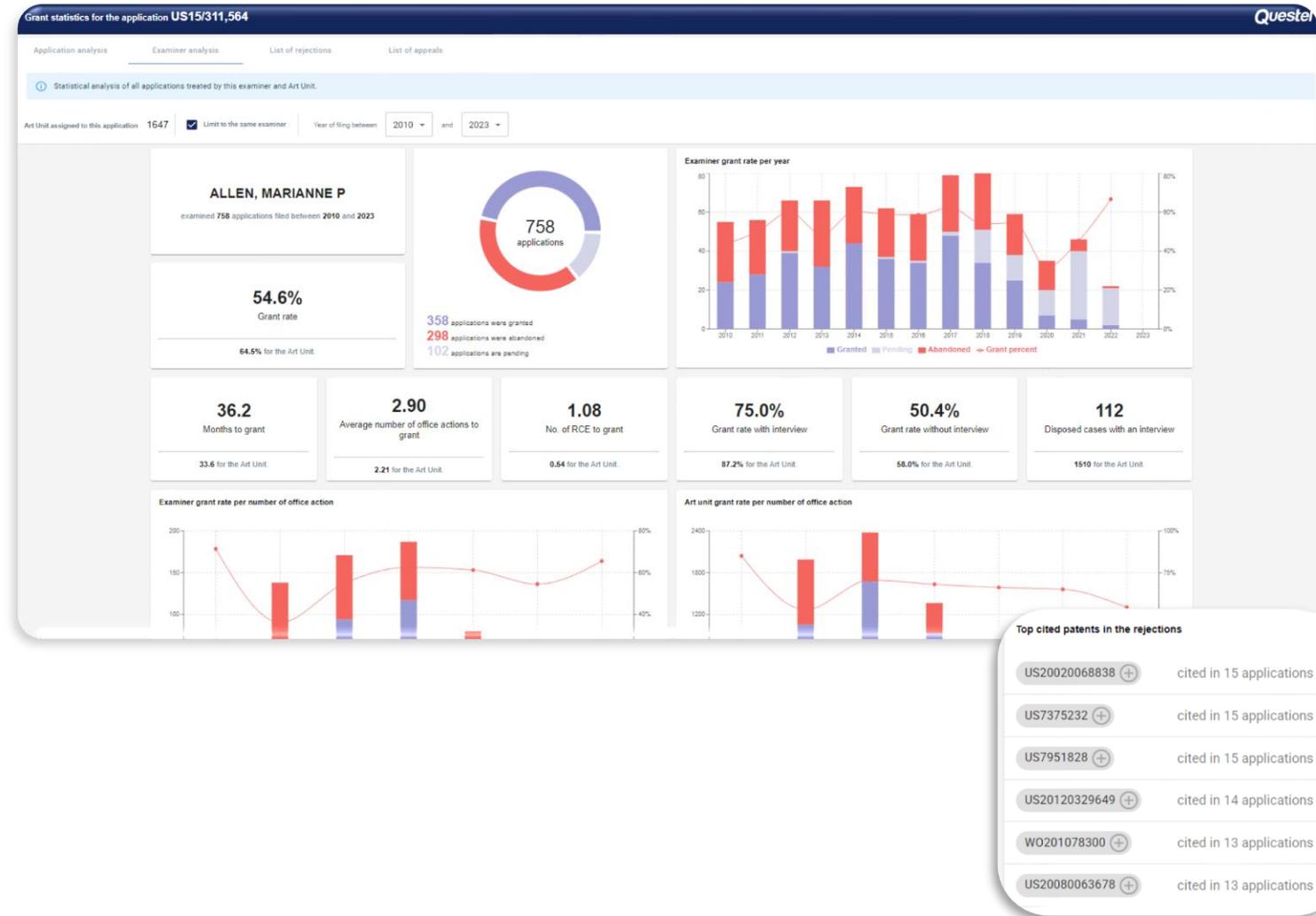
Patent Analysis
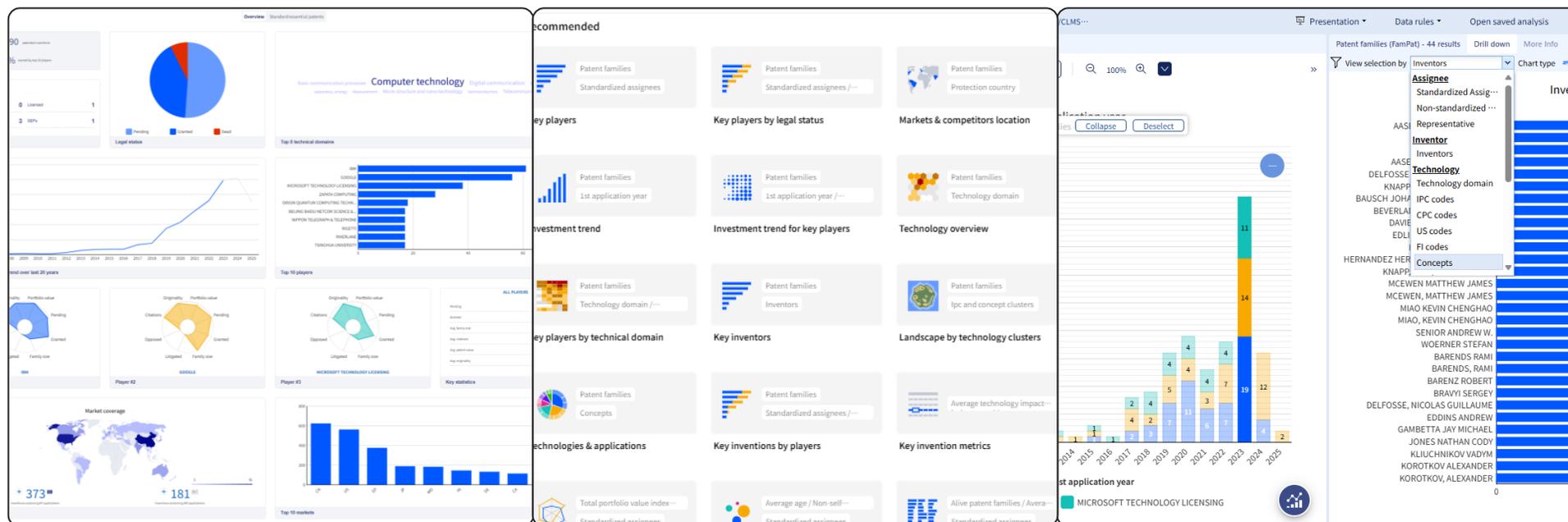
1. Key facts dashboard
Quick overview of the results and patent landscape.
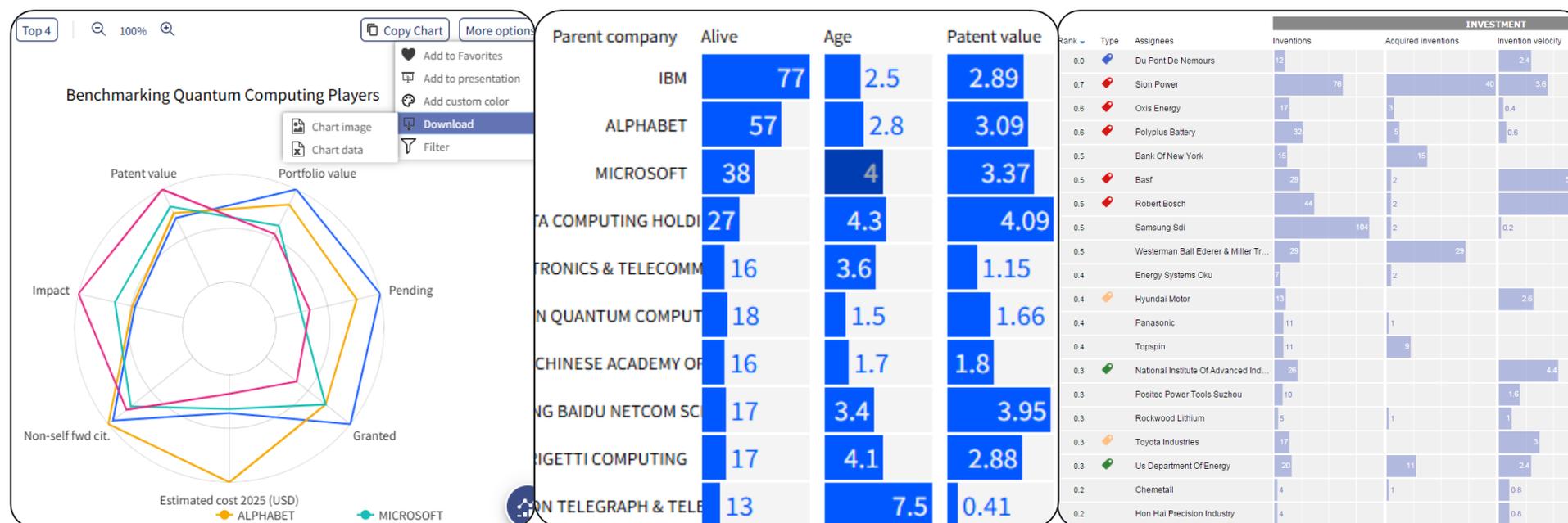
2. Great analytic capabilities
Make use of more than 60 interactive and customizable visuals.

3. Patent exploration
Drill down into specific data segments to deepen the analysis.

Patent Analysis

4. Workflow support
Export your favorite visuals, chart data effortlessly supporting your reporting capabilities.
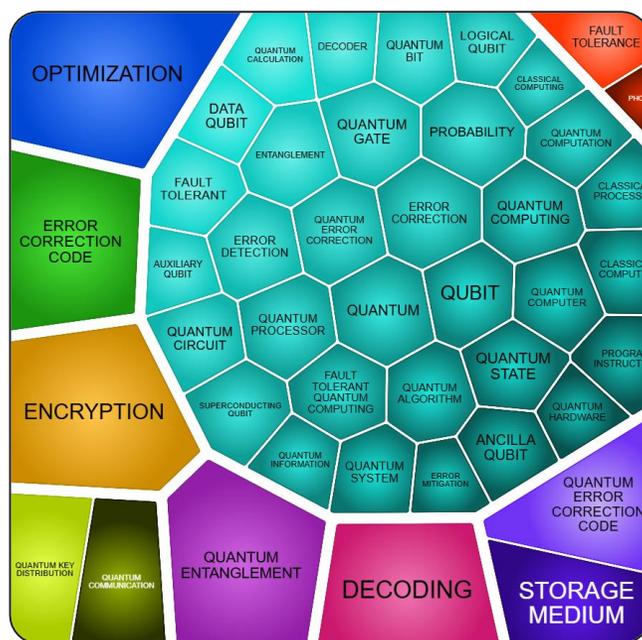
5. Patent metrics
Take out the guesswork by using scientifically proven metrics based on hard data.
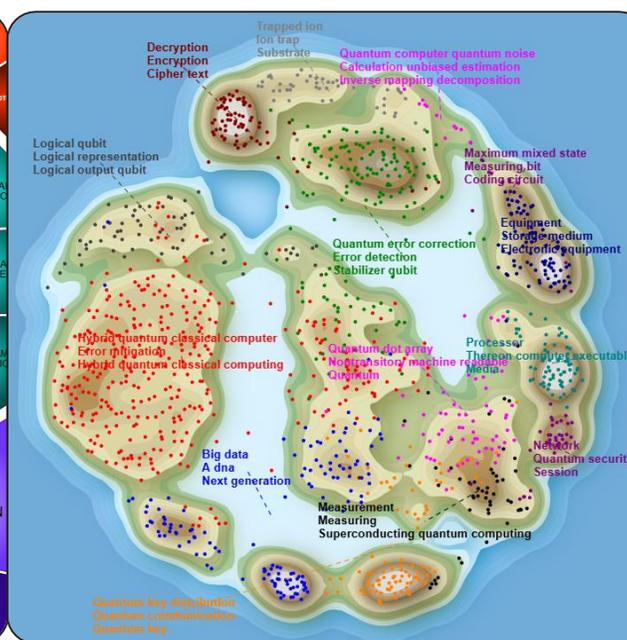
6. Evaluation modules
Explore business cases in guided activities like Technology scouting, in- or outlicensing, legal risk assessment and others.
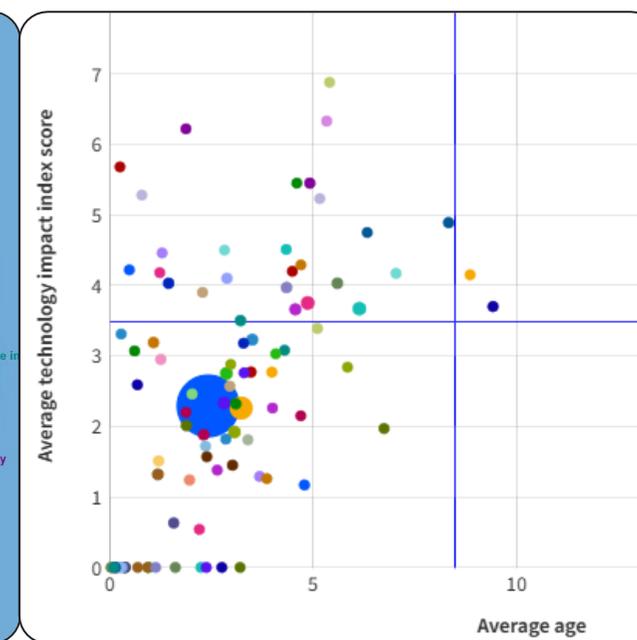
Patent Analysis

7. Technology mapping

Analyze concepts of the dataset.

8. Technology clusters

Unlock hidden insights in global patent data.

9. Portfolio analysis

Benchmark yours or competitors' portfolios and understand where the technology is going by leveraging Questel's patent metrics.

From IP intelligence to innovation intelligence with innosabi Insight

Research and analyze technolgy and research literature

- Landscape overview of the query results which considers patent as well as non–patent literature

- Newsletters on queries and companies

- Startups, many without patents or journal publications

- Scientific publications

- Clinical studies

- Government funded projects including via US SBIR

- Collaborations between players

- Competitive analysis using manually selected entities of interest for direct comparison

- Overcome the patent publication time gap by looking at the wholistic innovation landscape

Orbit Chemistry

Search, filter, and extract molecules

- Combine with other fields including assignees, keyword and measurement searches

- Filter by extracted molecules

- Search drug names, molecule drawing, CAS numbers

- Search all synonyms of a molecule at once

- Powerful Sketcher (R–groups, Markush structures)

- Exact or sub–structure search

- Visualize all molecules in the patent

- Export all or hit molecule names and localization

Orbit Biosequence

Search, filter, and analyze sequences

- DNA and amino acid searching and analysis

- Only software platform that allows sequence searching in a fully featured patent platform

- Combine with other fields including molecule search and keywords

- Powerful dedicated filters

- Visualize & download sequences in patent family

- Analyze mutations, substitutions and gaps with the **variant analyzer**

Standard Essential Patents (SEP)

Advanced SEP data

Minimize risks and maximize value in your SEP licensing negotiations

- Additional module for access to declaration data and essentiality analysis for patents declared in standard:
  - All declared SEPs of 2G, 3G, 4G, and 5G
  - All declared SEPs of WiFi 3, WiFi 4, WiFi 5 and WiFi 6
  - Manual essentiality assessment of over 15,000 4G families and over 20,000 5G families.
  - Manual essentiality assessment of families related to WiFi 3 to WiFi 6

- Our manually curated and verified SEP data has been used in litigations.

Technology
This family has been declared in ETSI standards related to the following technology

`5G` `4G`

Essentiality
Based on manual analysis

Family has `non UE` `UE` claims `ESSENTIAL` for `5G`

The patent covers an apparatus of handling secondary cell group configuration in secondary node change. The cited standard requires the claimed aspects. Refer to the cited sections and excerpts for further details. The patent is likely essential to 5G standards.
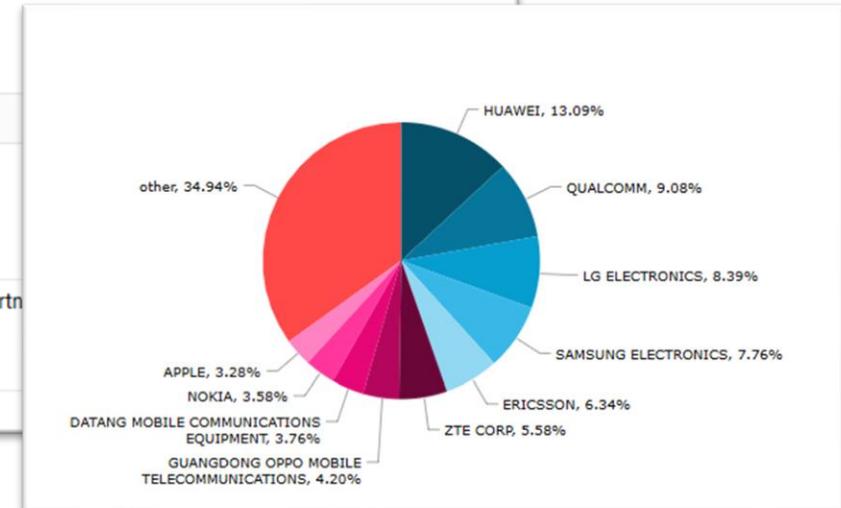
View details

Family has `non UE` `UE` claims `ESSENTIAL` for `4G`

The patent relates to an apparatus of handling secondary cell group configuration in secondary node change. The cited standard requires the claimed aspects. Refer to the cited sections and excerpts for further details. The patent is likely essential.

View details

Declarations

ISLD-201910-050

Declaring company	HTC Corporation
Declaration date	2019-11-21
Basis patent	EP3413625
Project	3GPP | Third Generation Partn
Related standard	TS 36.331 Rel-15 RAN 2 TS 38.331 Rel-15 RAN 2

- HUAWEI, 13.09%
- QUALCOMM, 9.08%
- LG ELECTRONICS, 8.39%
- SAMSUNG ELECTRONICS, 7.76%
- ERICSSON, 6.34%
- ZTE CORP, 5.58%
- GUANGDONG OPPO MOBILE TELECOMMUNICATIONS, 4.20%
- DATANG MOBILE COMMUNICATIONS EQUIPMENT, 3.76%
- NOKIA, 3.58%
- APPLE, 3.28%
- other, 34.94%

Customer Success

Questel Academy

- WEBINAR
  Managing Costs & Increasing Bandwidth for Tech Transfer Offices
  Intellectual Property
  Technology transfer offices are tasked with the same goals and objectives as larger corporate organizations, without the same budgets or...
  Join Dr. Eric E. Wagner, Director of Legal Affairs at...
  Watch now →

- WEBINAR
  IP Translations 2.0 – Why technology is important and preparing for the Unitary Patent
  Intellectual Property
  Questel Translations is today N° 1 worldwide for IP dedicated translation services. All types of industries and law firms rely on us to ensure qualit...
  Watch now →

- EBOOK
  Your practical guide to the Unitary Patent
  EBOOK
  Download our eBook for recommendations and guidance to help you prepare for the forthcoming Unitary Patent and Unified Patent Court System,...
  Download now →

- EBOOK
  ELM in Europe: Fourth, the Top 5 Benefits of ELM
  EBOOK
  As more European Legal Departments evaluate ELM solutions, the first key performance indicator often looked at is the benefits possible. This covers th...
  Download now →

- WEBINAR
  How to effectively manage an international trademark portfolio – Luxottica testimonial
  Intellectual Property
  Manage your international tm portfolio effectively Trademark departments are constantly confronted with emerging challenges to manage brands. Whil...
  Watch now →

- EBOOK
  Harnessing the power of Patent Analytics
  Intellectual Property
  Why Patent Analytics should be used to inform strategic decision-making and how to integrate Patent Analytics data into your company's...
  Download now →

- Free online trainings
- Onsite trainings
- Knowledge bases
- IP strategy webinars
- eBooks
- Case studies
- Industry reports

→ A Global Helpdesk

A dedicated team of 20+ full-time employees based in 6 countries (4 continents) to address all our specific clients' questions in 10 languages.

→ Weekly Product News

New product features or dataset evolution are notified inside our solutions.
A dedicated Product News portal is updated every week by our product owners and subject matter experts.

→ Custom eLearning program

Benefit from a library of 300+ engaging videos
Promote and illustrate the value of IP within your company with executiveIP.com
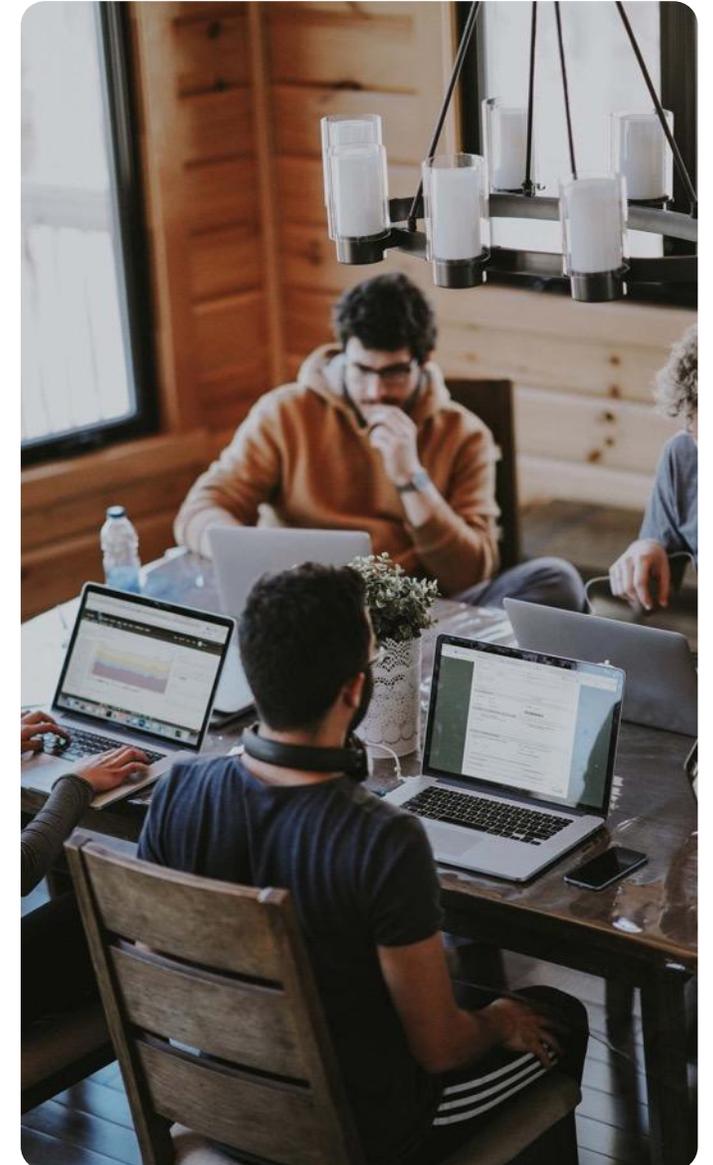
Follow us and access valuable resources

Linkedin

Youtube

Twitter

Webinars

Resources

Questel

A world leader providing best-in-class solutions for Intellectual Property, Innovation, Legal Operations and Localization Management.