

ERREQUADRO

Unlock the power of technical data

Innovation Reveal®

October 7^h, 2025
CSMT, Brescia

PROBLEM

1 SLOW PROCESSES
Complex and costly patent searches

2 LOSS OF INFORMATION
risk of legal, design or strategy errors

3 INEFFICIENT COMMUNICATION
between IP and R&D department

LACK OF CONTROL ON STRATEGIC ASSETS

SOLUTION: INNOVATION REVEAL®



Excellent Risk Management

Identify and mitigate legal and economic risks associated with new product development.



Full Effectiveness in R&D

Identify product development trajectories, accelerate communication between teams and departments, and enhance your technical know-how.



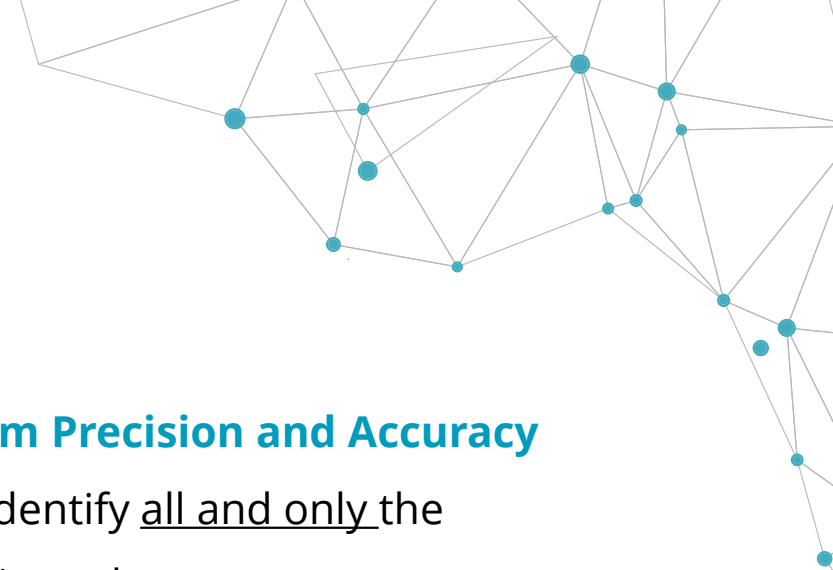
Maximum Precision and Accuracy

Quickly identify all and only the information relevant to you, otherwise unavailable.

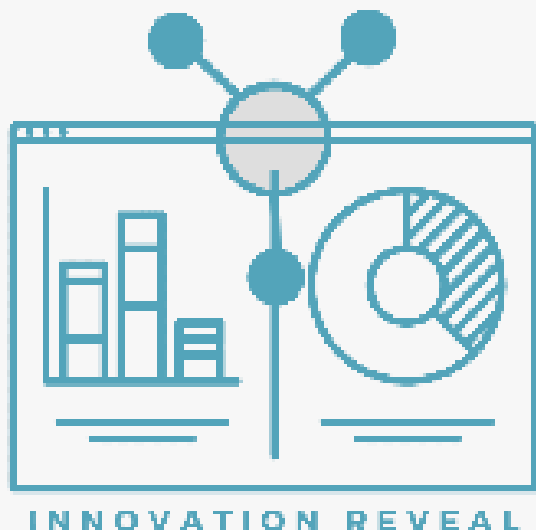


Exclusive Competitive Advantage

Anticipate your competitors' moves and uncover potential new partners and customers.



INNOVATION REVEAL®



Innovation Reveal® is an artificial intelligence tool for patent and strategic analysis, designed for companies across all technological sectors **to support their R&D and IP departments.**

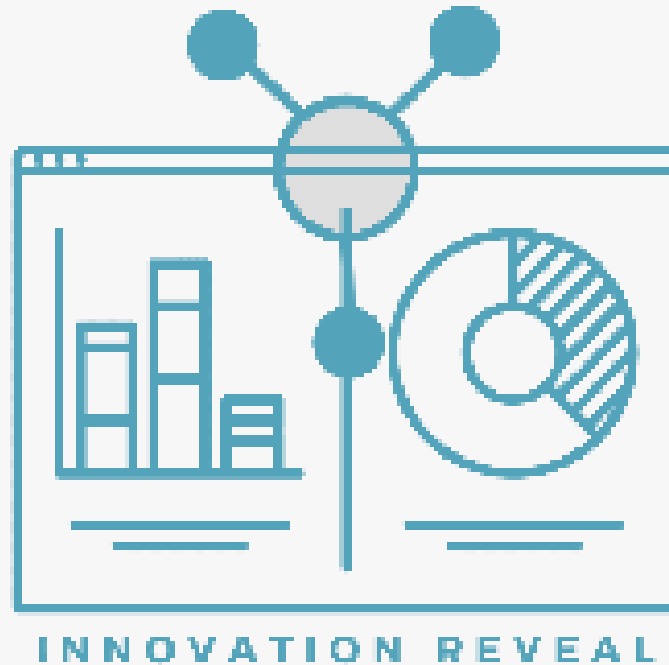
Innovation Reveal® enables the identification, classification, and synthesis of the most strategically valuable patents, ensuring effective information sharing between departments and teams.

What can you do with **Innovation Reveal**®?

1

Patent Analysis

- Validity or Invalidity search
 - Freedom To Operate
 - State of the art search



2

Strategic and Competitive Analysis

- Search for areas of improvement in your technology
- Monitoring your competitors
- Analysis of potential new Customers, Partners, and Markets for your technology

Modules and functions to **make your life easier**



Innovation Reveal ® modules

Data Category

Search for the most relevant documents for the user

TagMyPic

Simplified reading and interpretation of technical drawings

Data Ranking

Ranking and searching for relevant information from the patent database

ProblemToSolution

Identification of technical problems related to patented technology

Sharing

Sharing user evaluations of individual documents

Analytics

Automatic reporting and ad-hoc statistics created from patent metadata

Features for users

Quick identification and sorting of all documents in the dataset critical to your search



Assessment
quick and complete evaluation of identified documents



Sharing
knowledge



Effective representation of the relevant document set



THE POWER OF THE ONTOLOGIES



A DIFFERENT APPROACH

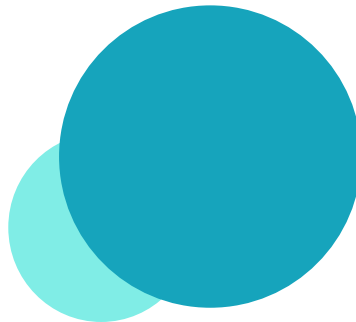
We do not ground our solution on AI statistical models.

Our algorithms are based on **Engineering Design** rules: they analyze the text to create a representation of innovation according to physical or engineering models.

Over the years we have created a series of **proprietary knowledge data bases** of technical concepts, used to train the **AI** to search for the defining aspects of a given technology, how it works and for what purpose.



-94%
time



x2 relevant
documents



>95%
accuracy

PATENT CLASSIFICATION

Two set-up approaches



Customer-classification driven

The categories reflect the client's requirements and **mirror** their organizational structure and knowledge management approach.



Data-driven

The categories are derived from a **technological cluster analysis** conducted on the patent set of interest for the client.

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CUSTOMER-CLASSIFICATION DRIVEN

IR INNOVATION REVEAL Search All fields D

competitors All patents No sort No ontology sort All All Reset 1 2 3 ... 249 20 / page

Found **4973** documents Documents Statistics Export

1 - A tab cutting device and tab processing device

Sheet Metal Generic Material Workpiece Handling Workpiece Handling and Positioning Systems Cutting

Sheet Metal Workpiece Handling +

CN211965547_U 20-11-2020 29-11-2019 HAN'S CHEN, Li, ... ★0.00

The utility model belongs to the technical field of battery, relating to a tab cutting device and tab processing device, comprising a lifting component, a moving component, a lower pressing component an...

2 - Detection device

Generic Shape Generic Material Geometric Measurement Process Monitoring Sensors Other

Geometric Measurement +

CN211977821_U 20-11-2020 27-03-2020 HAN'S GAO, Yun-feng, ... ★0.00

The utility model claims a detecting device, comprising a base, a first bracket fixed on the left and right ends of the base, two moving components set on the two first brackets, a first connecting piece set on the...

- > Companies
- > Components
- > Components Claims
- > Functions
- > Functions Claims
- > Machine Type
- > Machine Type Claims
- > Processes
- > Processes Claims
- > Tech

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Let's explore together

PLAY WITH INNOVATION REVEAL®



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Link: <https://polonavacchio.consult.errequadrosrl.com>

User: workshop

Password: Workshop032025\$



EXERCISE 1 - Identifying Key Patents related to Veterinary Prosthetics

Scenario: You are a company operating in the implantable technologies sector, aiming to develop a new prosthetic limb for dogs. To ensure innovation and differentiation, you need to analyze existing patents related to veterinary prosthetics, focusing on those that claim to improve mobility for animals.

Your task:

1. Patent Selection – Identify and filter patents related to veterinary prosthetics.
2. Innovation Analysis – Examine key 3 patents.
3. Relevance Assessment – Evaluate and comment the most significant patent.



Goal:

Understand the state of the art in veterinary prosthetics and identify opportunities for new developments.

EXERCISE 1

- **Data Category** – Within the Implantable Technologies documents, filter those related to Prosthesis and mobility aids in Veterinary Medicine.
- **Ontology Sort** – Use the Ontology Sort function to order the documents.
- **Patent Analysis** – Open the first three patent records and assess their relevance.
- **Tag My Pic** – For the most relevant patent, open the Tag My Pic section and analyze the associated image.
- **Final Evaluation** – Add a comment with your assessment of the most significant document.



EXERCISE 2 - Analysis of Competitors and Global Patent Activity in Veterinary Sensor Technology

Scenario: You are a company operating in the veterinary sensor technology sector, focusing on developing advanced monitoring systems to track the health of pets. To ensure your product stands out and remains competitive, you need to conduct an in-depth analysis of the current market landscape, identify key competitors, and understand the global patenting trends related to veterinary sensor technologies.

Your task:

1. Patent Selection – Identify and filter patents related to Biometric sensors and Health tracker.
2. Statistics – Examine key competitors patents.
3. Filter patents assigned to the main competitor-assignee operating in the field, analyze the tag my pic and export a table.



Goal:

Gain insights into the competitive landscape of veterinary sensor technologies, understand the innovation trends across different regions, and identify potential opportunities for collaboration or differentiation in your product development strategy.

EXERCISE 2

- **Data Category** – Within the Sensors documents, filter those related to Biometric sensors OR Health Tracker.
- **Statistics** – Use the statistics module to understand if and which of your main competitors are working on sensors.
- **Advanced Search** – Filter the set operated by the main competitor-assignee identified. Use the Advanced search module searching in Assignee field.
- **Tag my pic** – Open the tag my pic of the document US-20210212294-A1 and analyze which element is the temperature sensor.
- **Export** – Export a table containing Title and Dates.



CONCLUSIONS

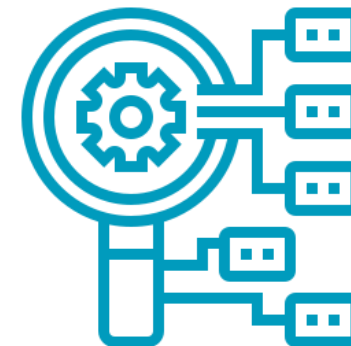




Innovation Reveal® is an **AI strategic tool** to speed-up your **innovation** processes and boost **communication** between **IP & R&D** Departments.



Building ontologies is a **very hard** activity. Ours have been developed **over 15 years** of research to guarantee **unmatched** accuracy and precision.



..same for **query design**. **Retrieving** is a complex and time-consuming process, to ensure high precision and recall.

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