ORBIT

SCUOLA SUPERIORE SANT'ANNA
PISA, 19 MARZO 2019

Rossella Osella

AGENDA

- Orbit Intelligence e Orbit Express
- Orbit Intelligence
- Orbit Express
- Dimostrazione on-line
- Esempi pratici di ricerche brevettuali

Orbit Intelligence e Orbit Express

	SILVER Basic Analysis	GOLD Standard Analysis	PLATINUM Advanced Analysis	EXPRESS
SEARCH				
Search exclusive invention based patent families from 100+ countries.	•	•	•	•
Easysearch, Semantic search, Similar patent search	•	•	•	•
Search and scan Key contents (Objet of invention, Advantages & prior art drawbacks, Independent claims)	•	•	•	Search only
Search & scan normalized Key technical concepts	•	•	•	Search only
Access companies' corporate tree	•	•	•	-
Filter search results by legal status, litigation cases, licensing agreements, essential patents	•	•	•	-
Scan graphical family legal status (Timeline)	•	•	•	-
Customize hitlist and detailed records displays	•	•	•	-
View and group results by extended Inpadoc patent families	•	•	•	-
Store search results in dynamic named lists of patents	•	•	•	•
Access Orbit Express – A simplified search interface for R&D	•	•	•	-
DOWNLOADS				
Download custom search reports in all electronic formats (Excel, PDF, TXT...)	•	•	•	xlsx or pdf
Download in batch patent copies in PDF from 40+ countries	•	•	•	-

CONNECTION MODE:

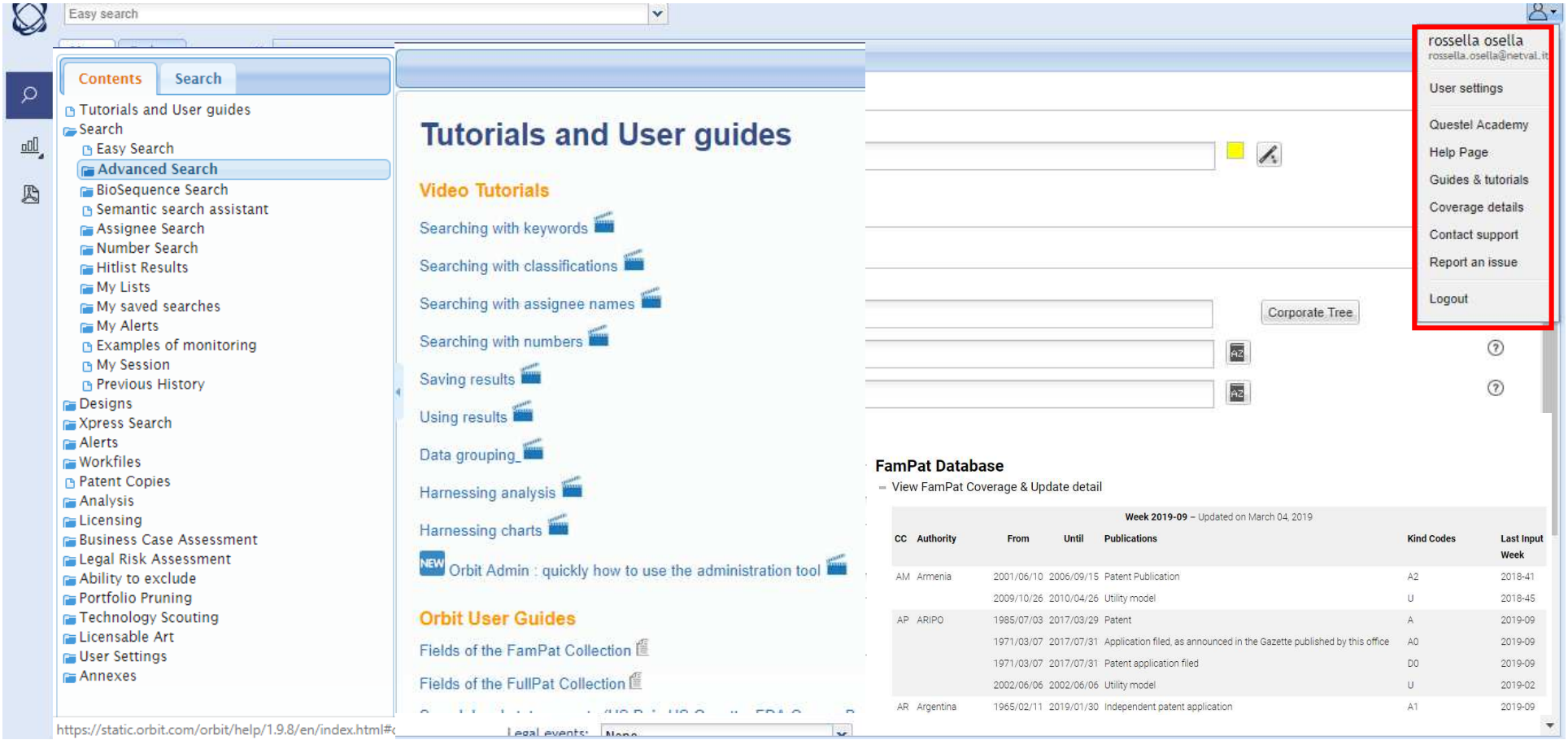
SILVER Basic Analysis	GOLD Standard Analysis	PLATINUM Advanced Analysis	EXPRESS
Email + password	Email + password	Email + password	IP address + Autoregistration Name, Surname, email

Orbit Intelligence

Orbit Intelligence

- FamPat
- Troncature e operatori
- Maschere ricerca
- Visualizzazione risultati
- Ricerca similarità
- Export risultati
- Download documenti originali pdf
- Liste risultati
- Citazioni
- Storia ricerca
- Salvare ricerche
- Analisi risultati

Help, Guides & tutorials, Coverage details



FamPat

- **Un singolo risultato raggruppa tutti gli stadi di pubblicazione dei membri della famiglia**
- **Informazioni bibliografiche: oltre 100 paesi**
- **Contenuto chiave:**
  oggetto dell'invenzione, vantaggi del'invenzione, svantaggi della tecnica precedente, rivendicazioni indipendenti
- **Testo integrale: oltre 20 paesi**
- **Stato legale: 40 paesi**
- **Citazioni: 20 paesi**
- **Documenti originali pdf: 40 paesi**

https://static.orbit.com/orbit/help/guides/en/FamPat.pdf

Troncature

Simbolo	Definizione	Esempio
+ o *	Illimitato	BICYCL+ *INFLAMMATORY
?	0 o1 carattere	BICYCLE? ALUMIN?UM
#	Esattamente un carattere	POLYMERI#ATION

Operatori

OR	tutti i risultati con almeno uno dei termini	*sulfur or sulphur*
AND	tutti i termini	*plutonium and isotope*
NOT	il primo termine ma non il secondo termine	*suv not vesicle*
SDOC	tutti i termini nel testo di un membro della stessa famiglia (più restrittivo di AND)	*plutonium sdoc isotope*
F	termini nello stesso campo	*sodium f chlorine*
P	termini nello stesso paragrafo	*sodium p chlorine*
D	termini adiacenti in qualsiasi ordine	*redundancy d check+*
nD	termini adiacenti in qualsiasi ordine separati fino a n termini	*electric+ 2d conduct+*
W	termini adiacenti nell'ordine specificato (operatore di default per due termini senza un operatore)	*smart w card? smart card?*
nW	termini adiacenti nell'ordine specificato, separati fino a n termini	*friction 1w pad?*
S	termini nella stessa frase (o nello stesso sottocampo es. campo inventore)	*selfclean+ s toilet?*

Maschere ricerca

- Easy search
- Advanced search
- Semantic search
- Assignee search
- Number search

Easy search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Semantic search
Assignee search
Number search
My session
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Search results
Past sessions
Previous history
My searches
My saved searches
My alerts
My recent lists
Digitare numeri di pubblicazione, parole chiave, depositanti. Non sono necessari operatori booleani.
E.g.: keyboard, WO2012034567, Microsoft
Advanced search
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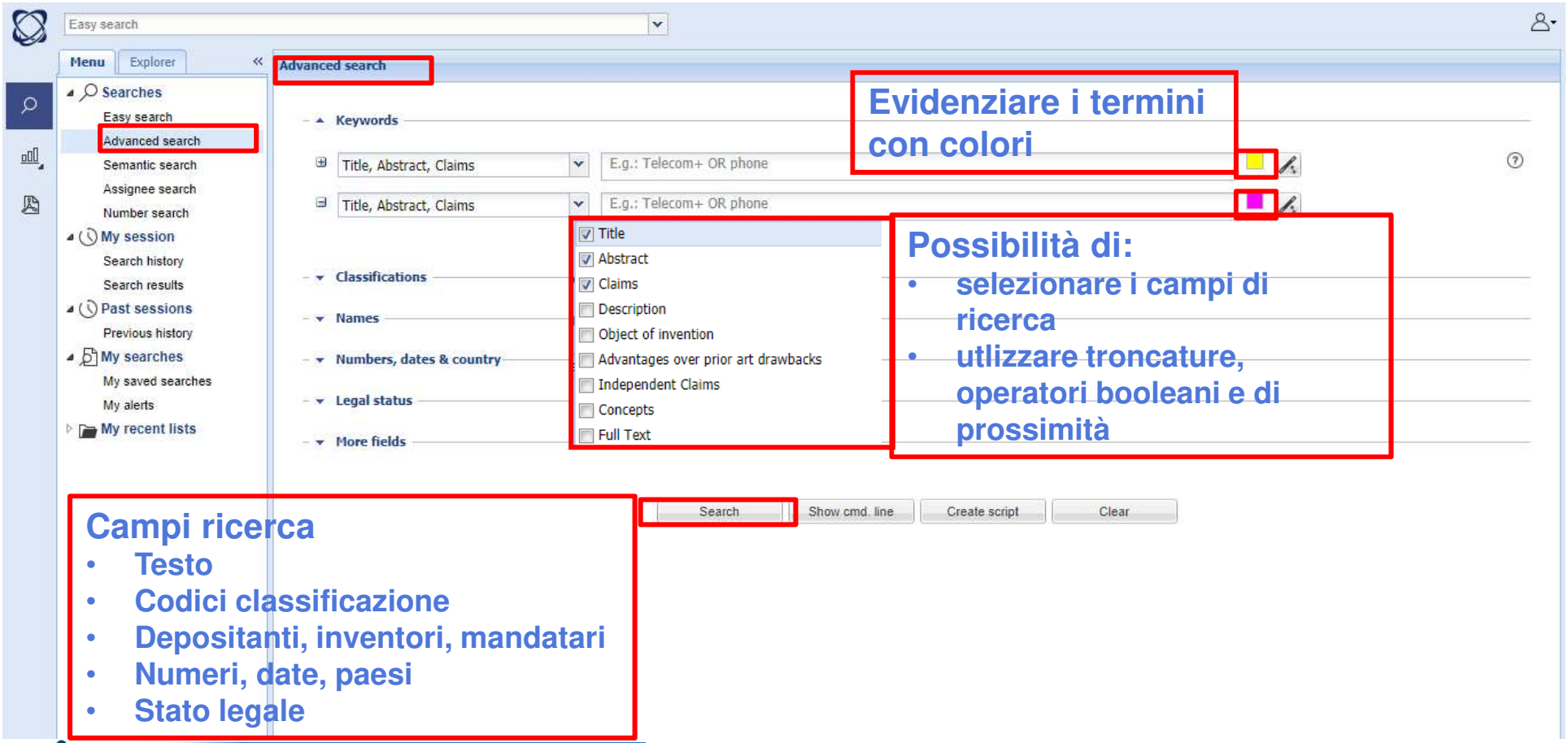
Advanced search



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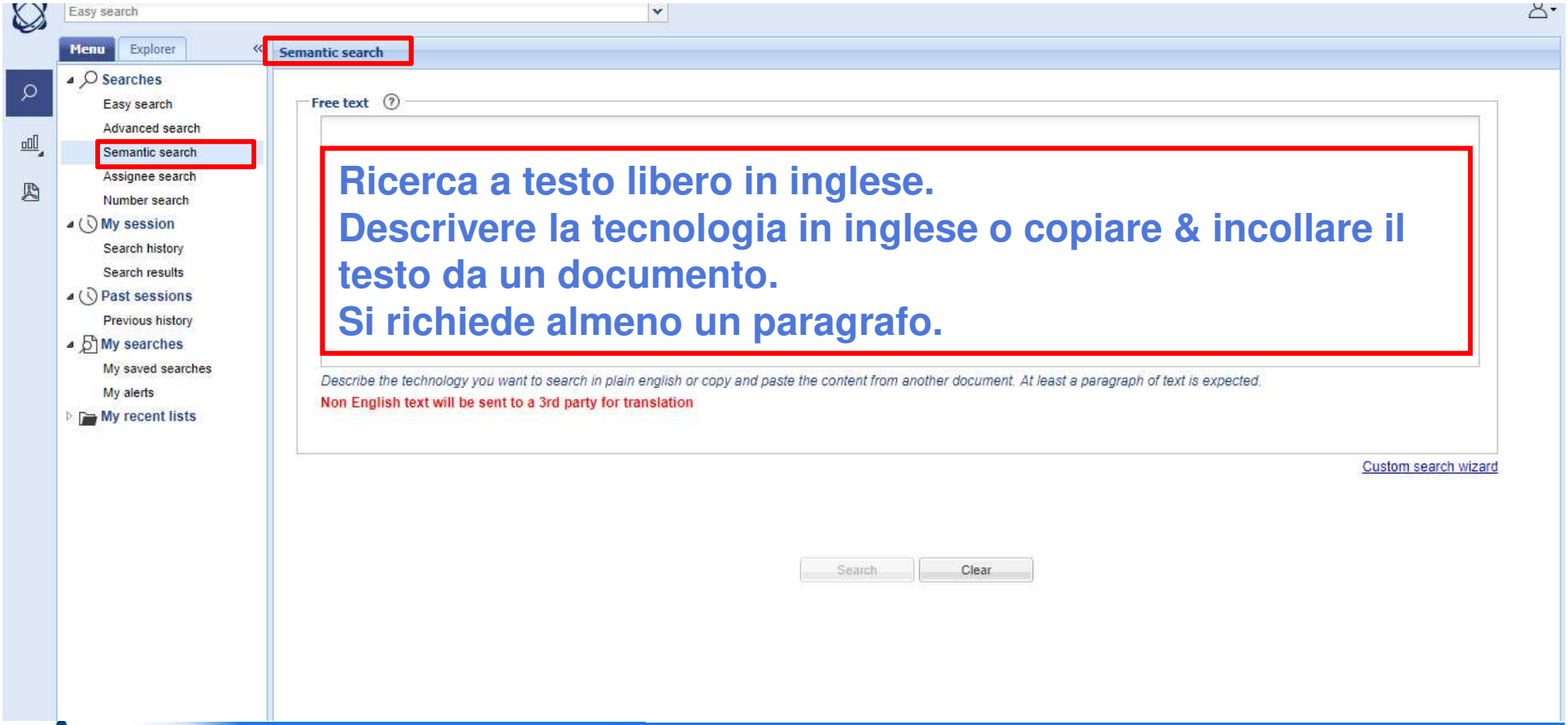
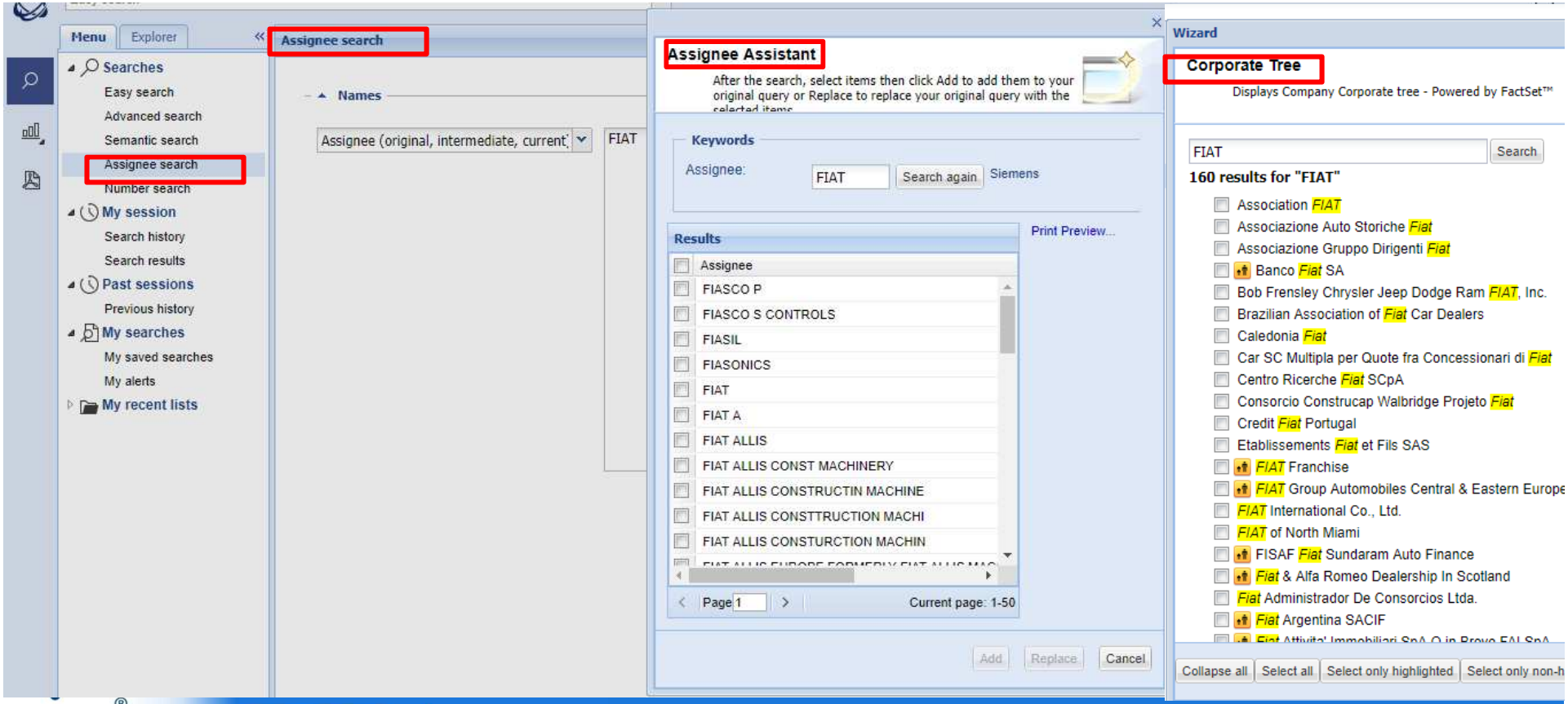
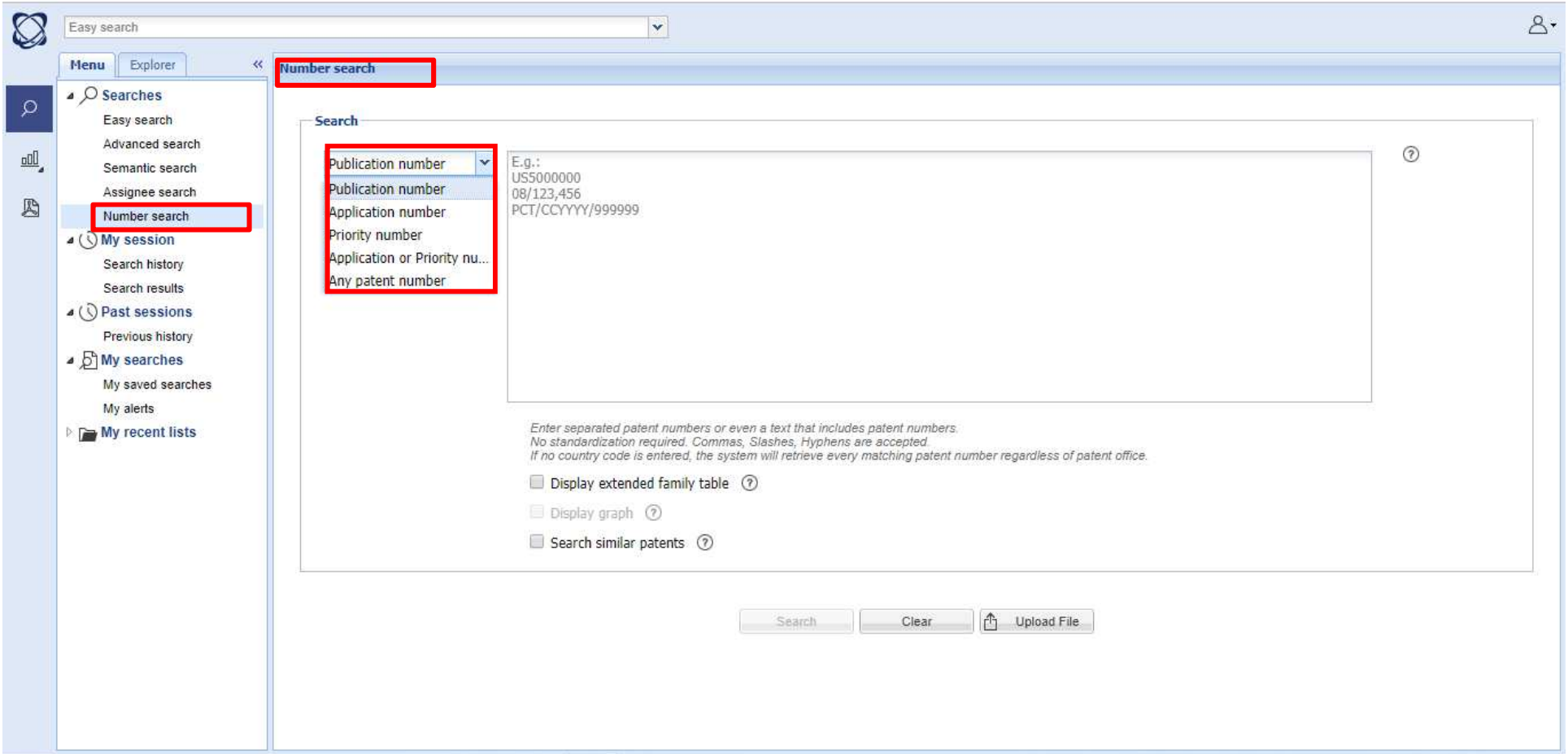


Assignee search

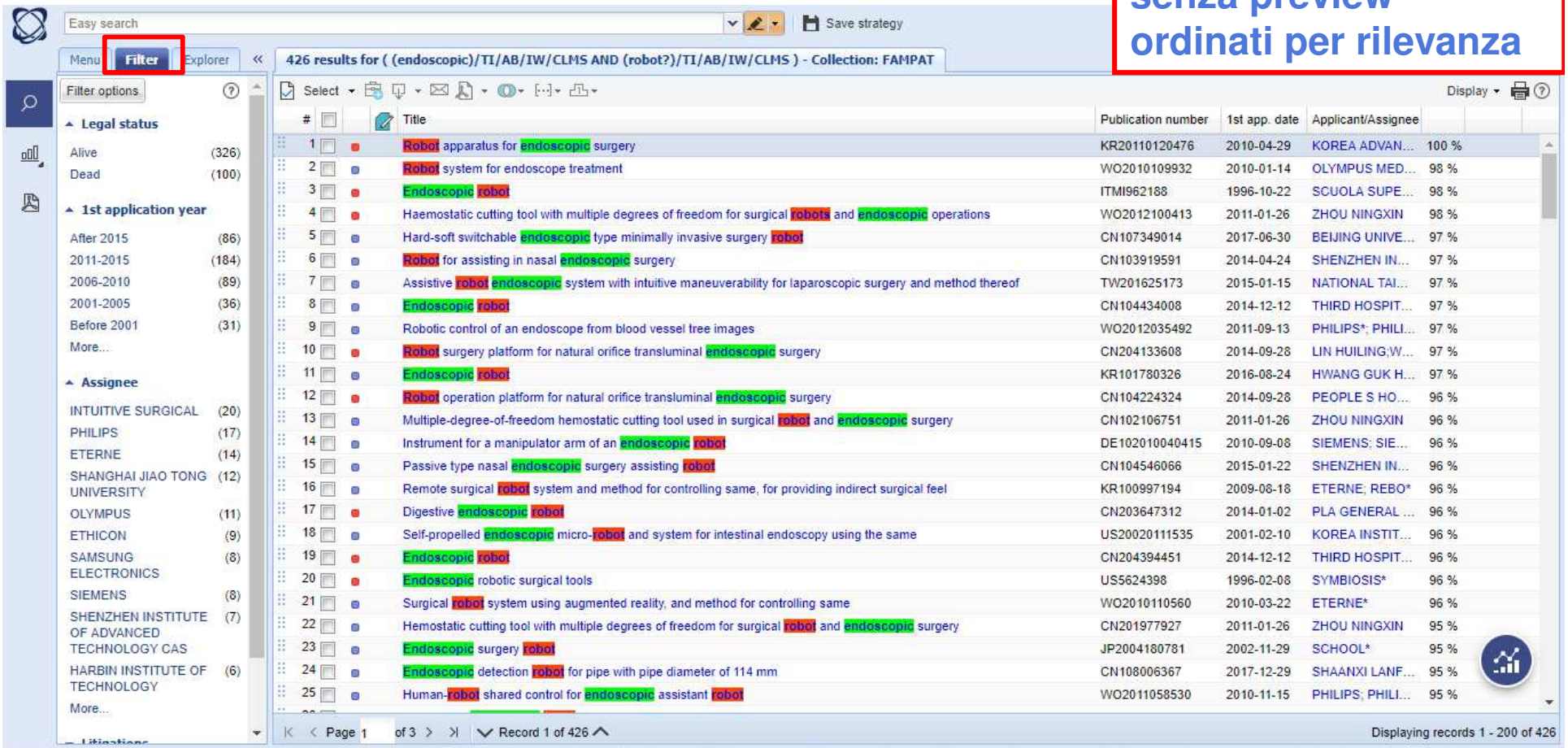


Number search



Show results

Formato short list senza preview ordinati per rilevanza

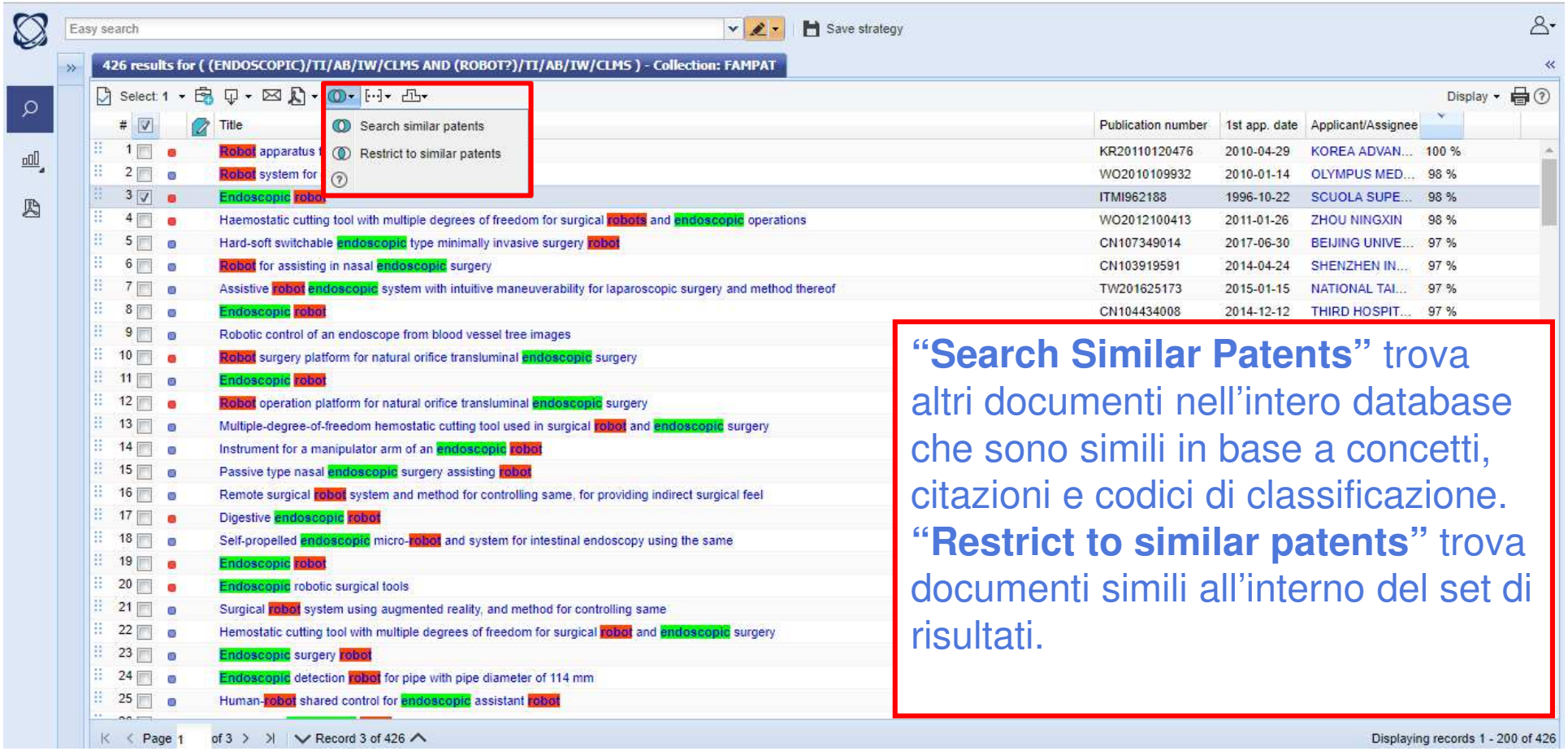


Show results

Show results

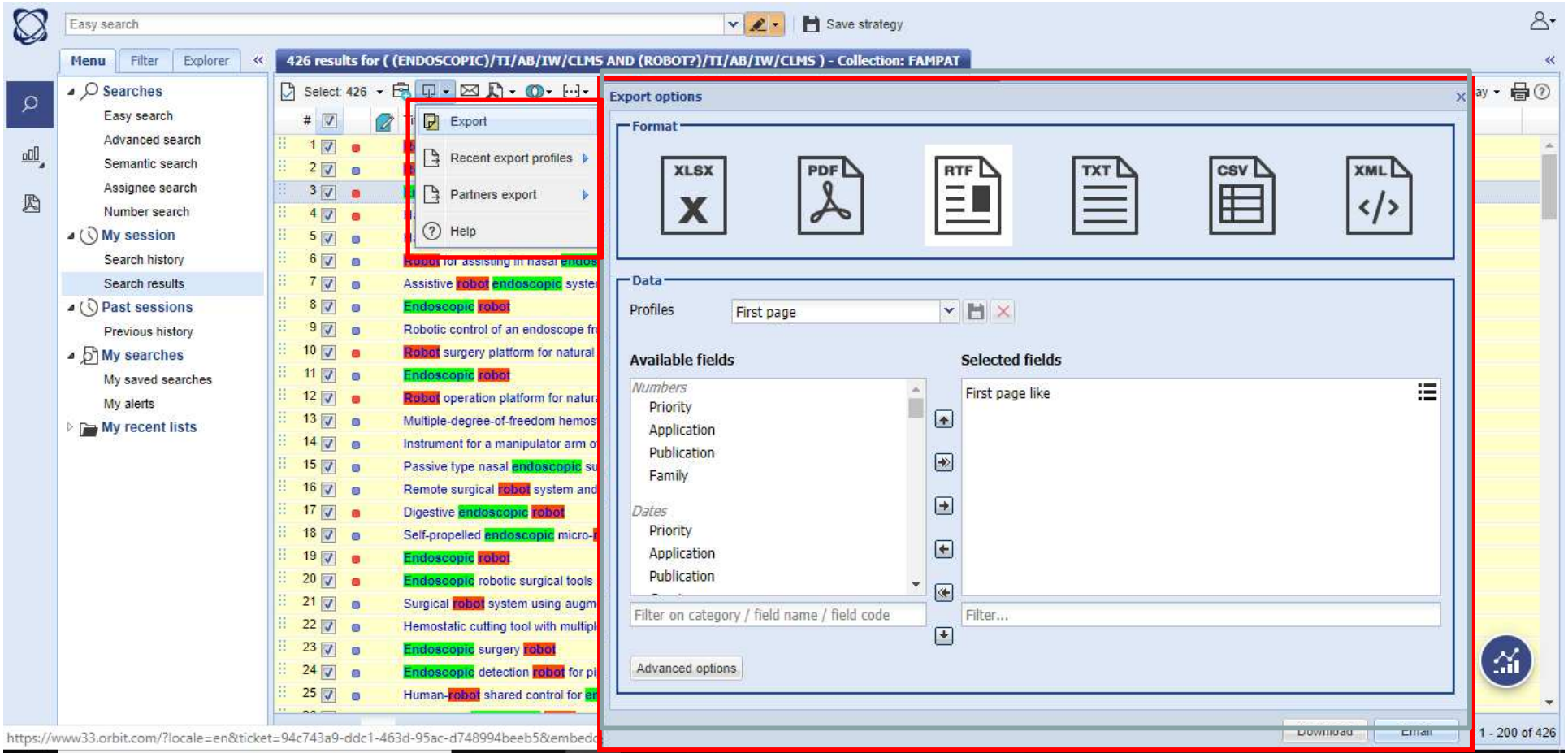
Select results

Search similar patents

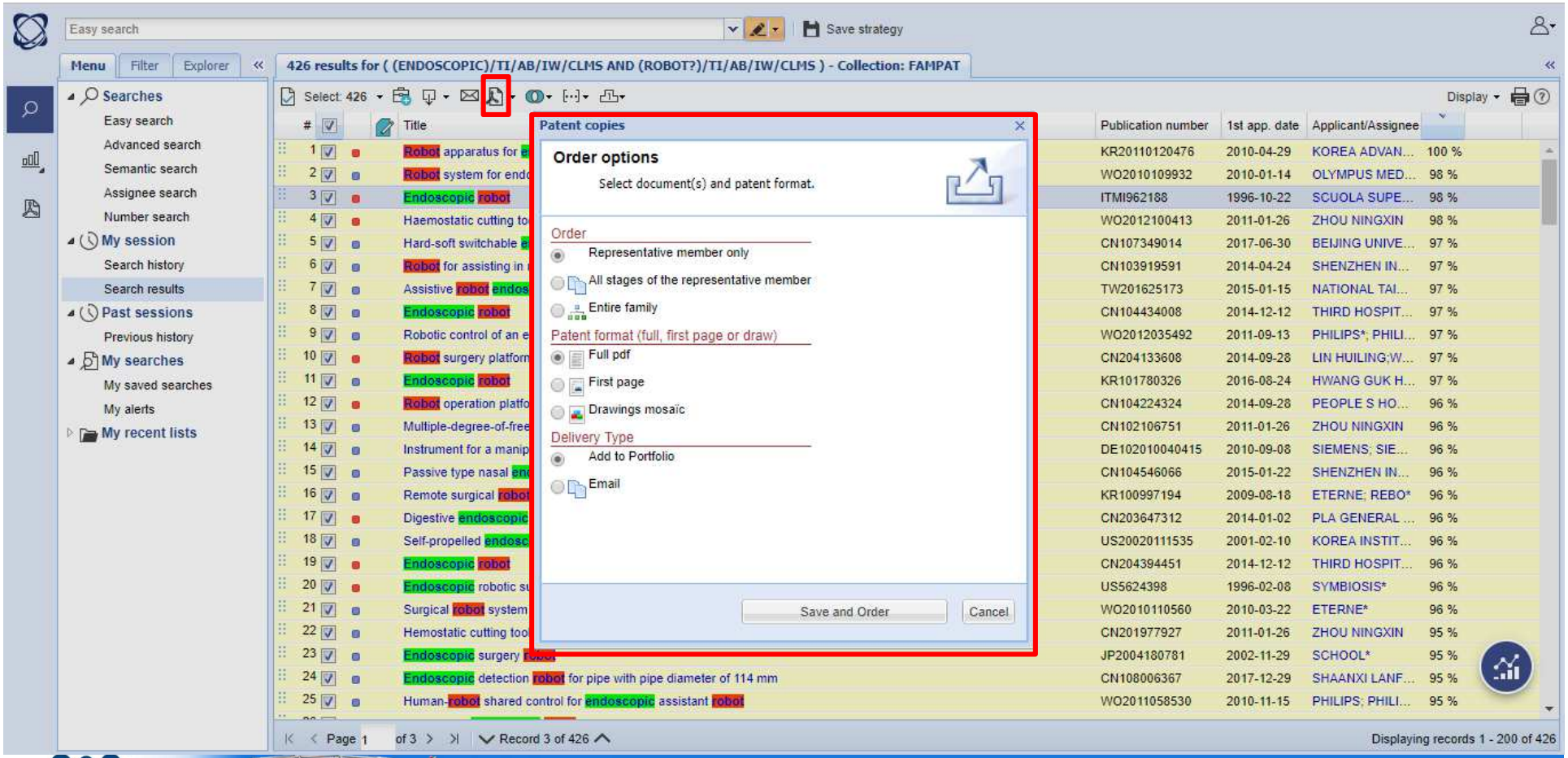


"Search Similar Patents" trova altri documenti nell'intero database che sono simili in base a concetti, citazioni e codici di classificazione.
"Restrict to similar patents" trova documenti simili all'interno del set di risultati.

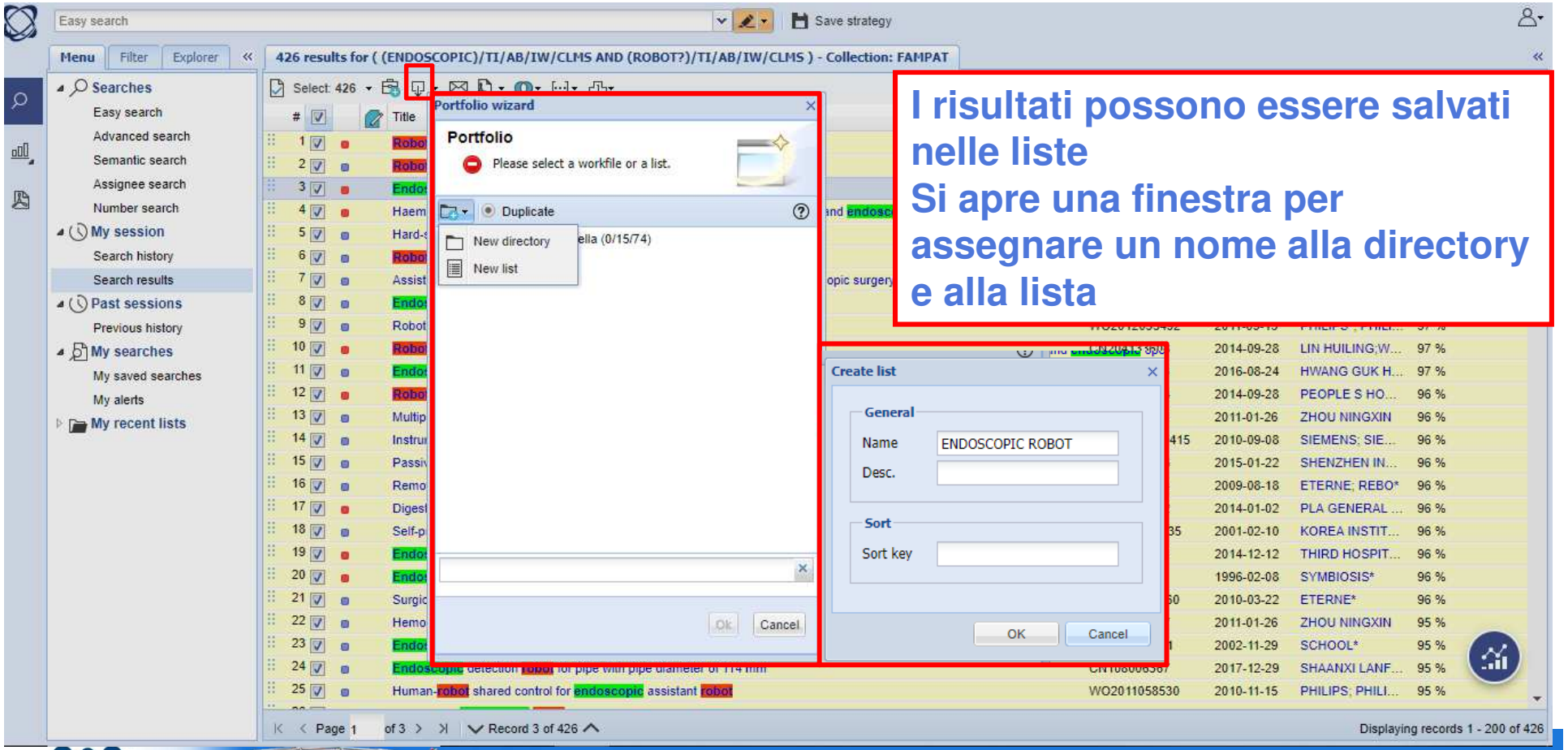
Export results



Patent copies

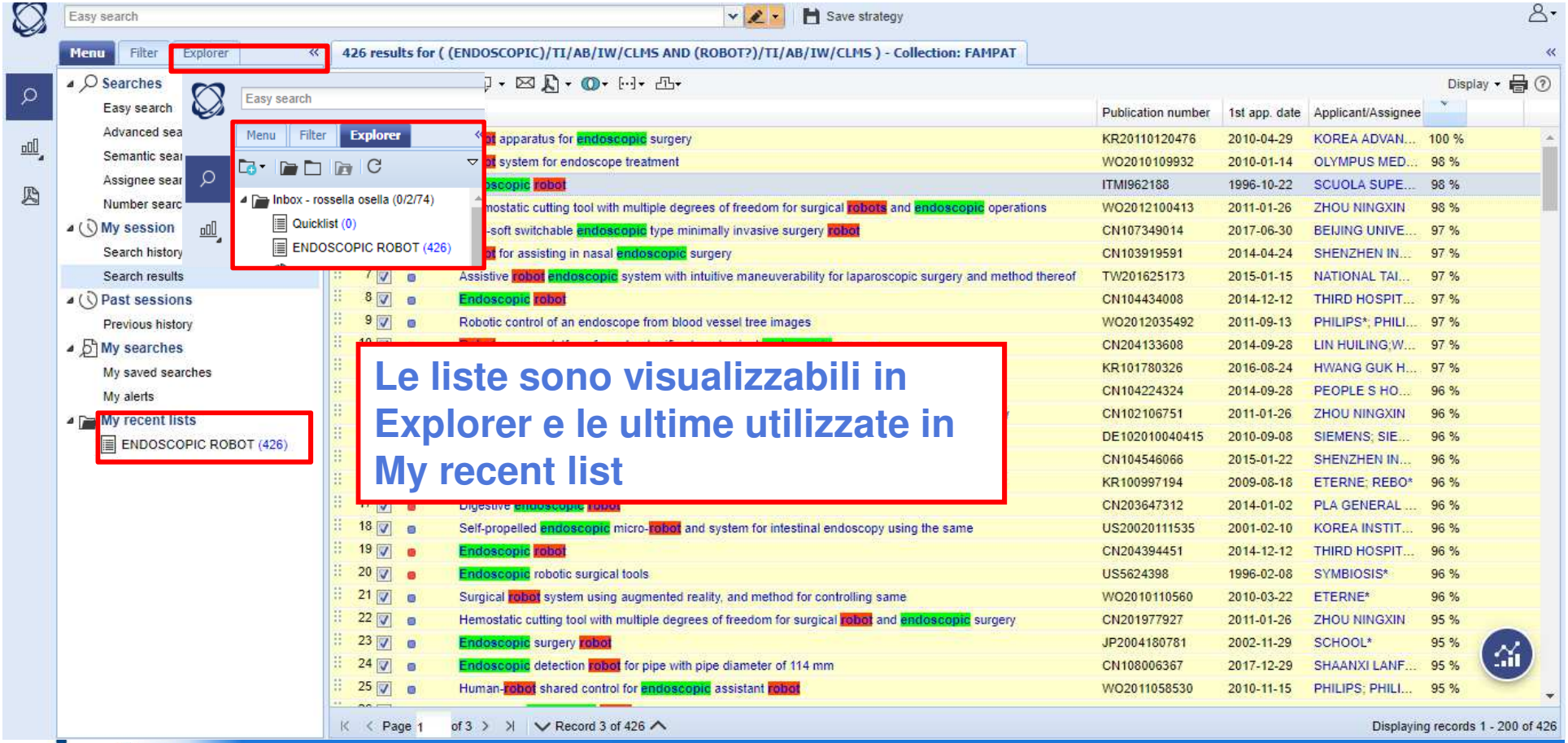


Lists



I risultati possono essere salvati nelle liste
Si apre una finestra per assegnare un nome alla directory e alla lista

Lists


Easy search
Save strategy
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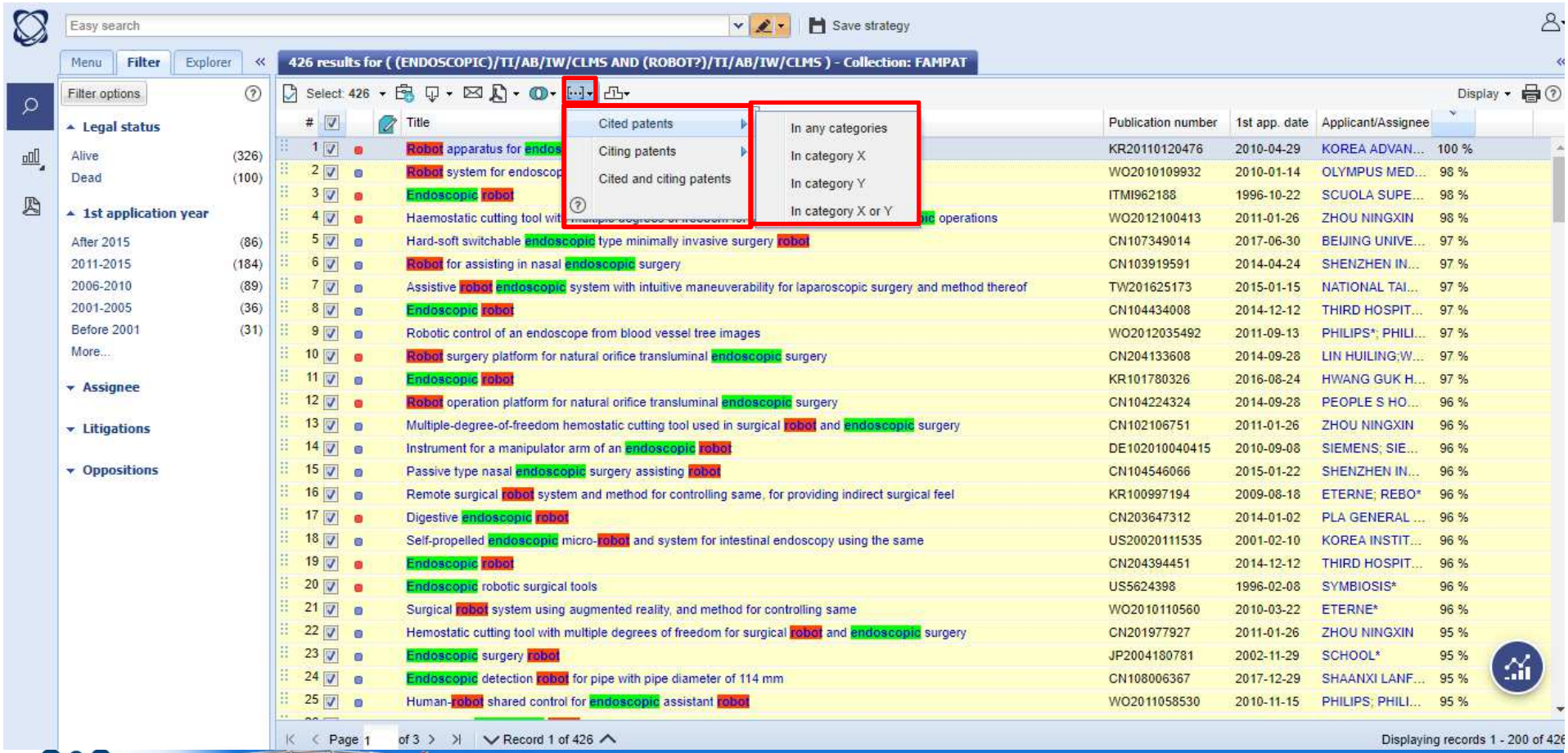
Explorer
426 results for ((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS) - Collection: FAMPAT
Searches
Easy search
Advanced sea
Semantic sear
Assignee sear
Number searc
My session
Search history
Search results
Past sessions
Previous history
My searches
My saved searches
My alerts
My recent lists
ENDOSCOPIC ROBOT (426)
Inbox - rossella osella (0/2/74)
Quicklist (0)
ENDOSCOPIC ROBOT (426)
Display
Publication number
1st app. date
Applicant/Assignee
Le liste sono visualizzabili in Explorer e le ultime utilizzate in My recent list
Page 1 of 3
Record 3 of 426
Displaying records 1 - 200 of 426

Cited and Citing patents



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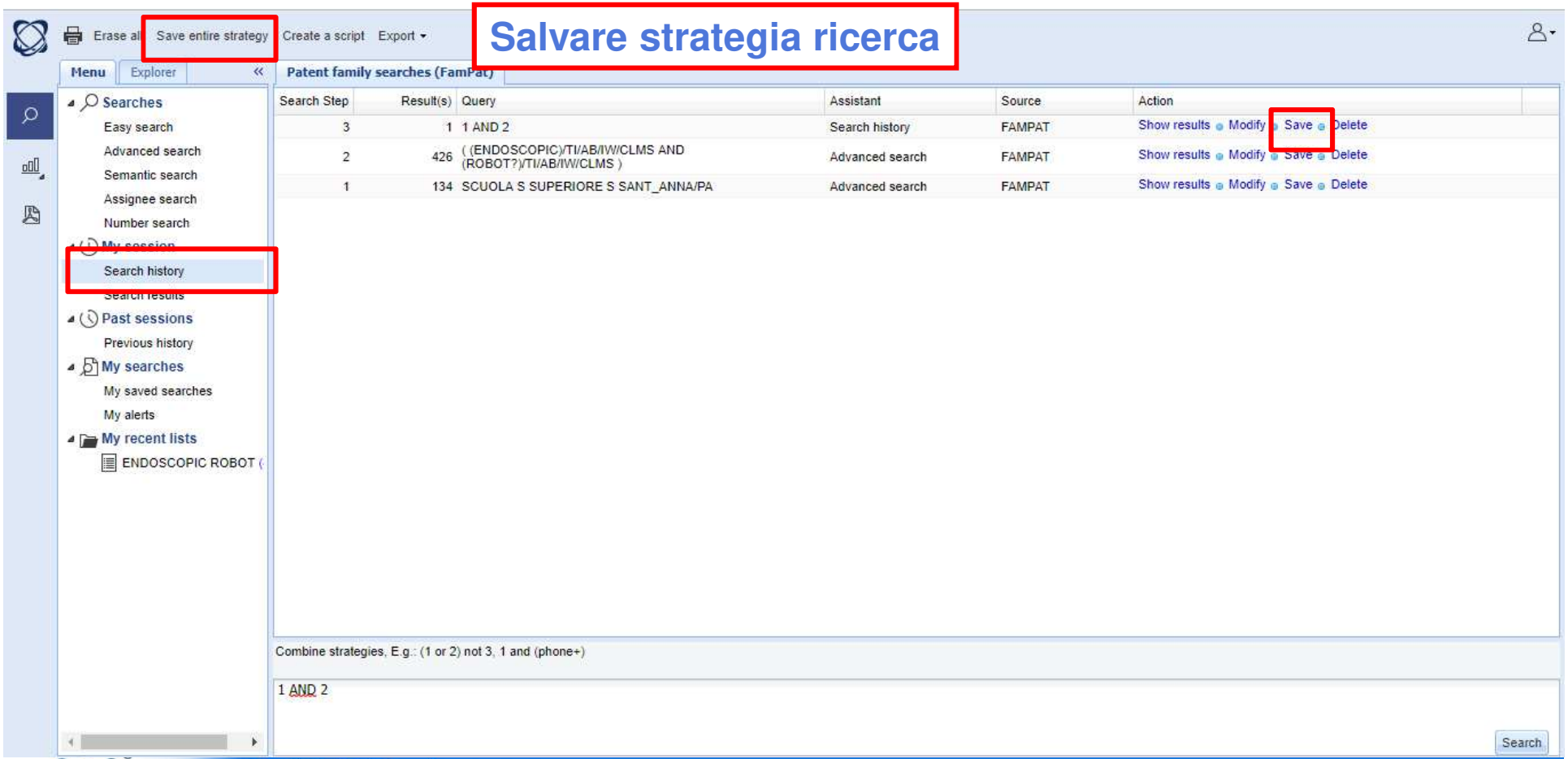
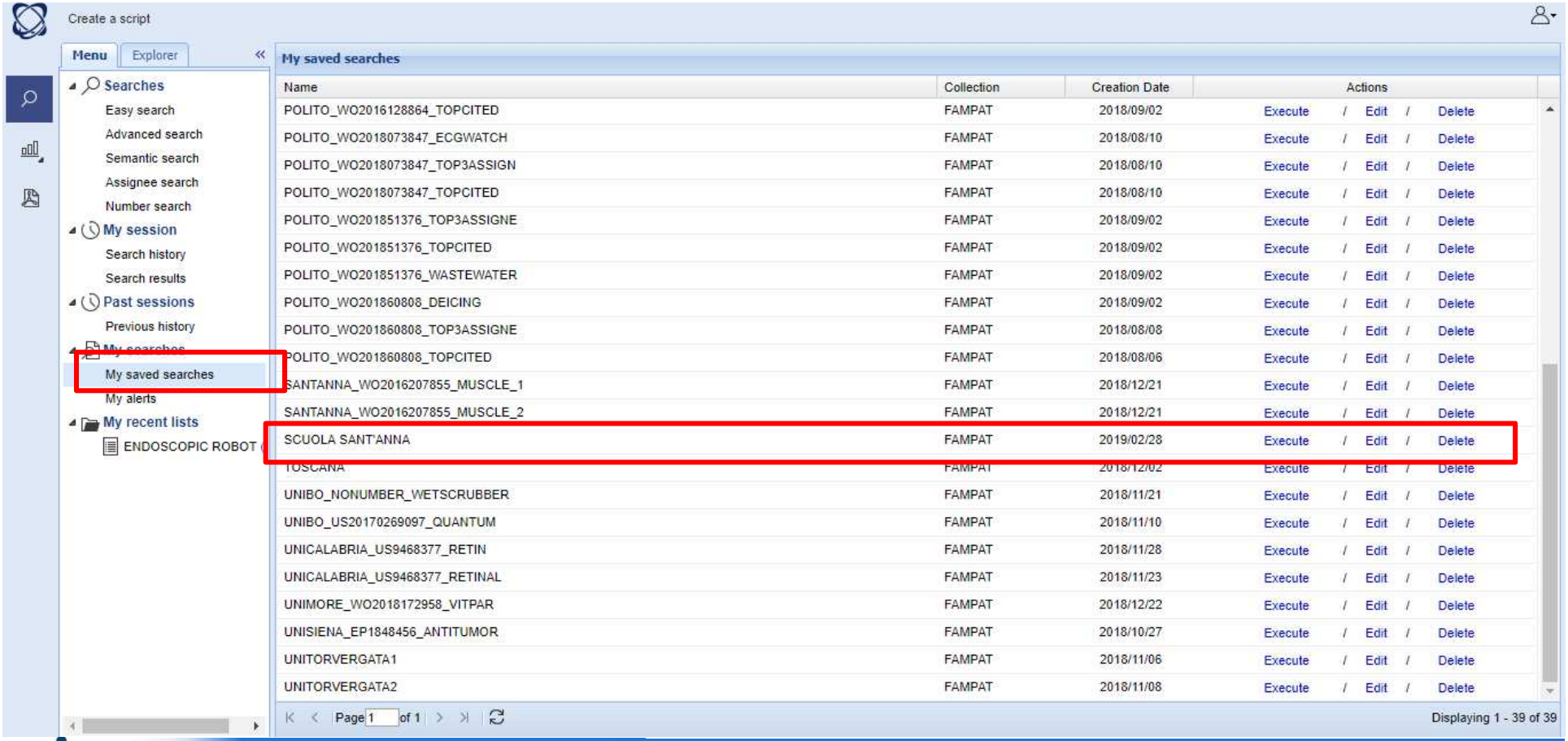


Saved searches

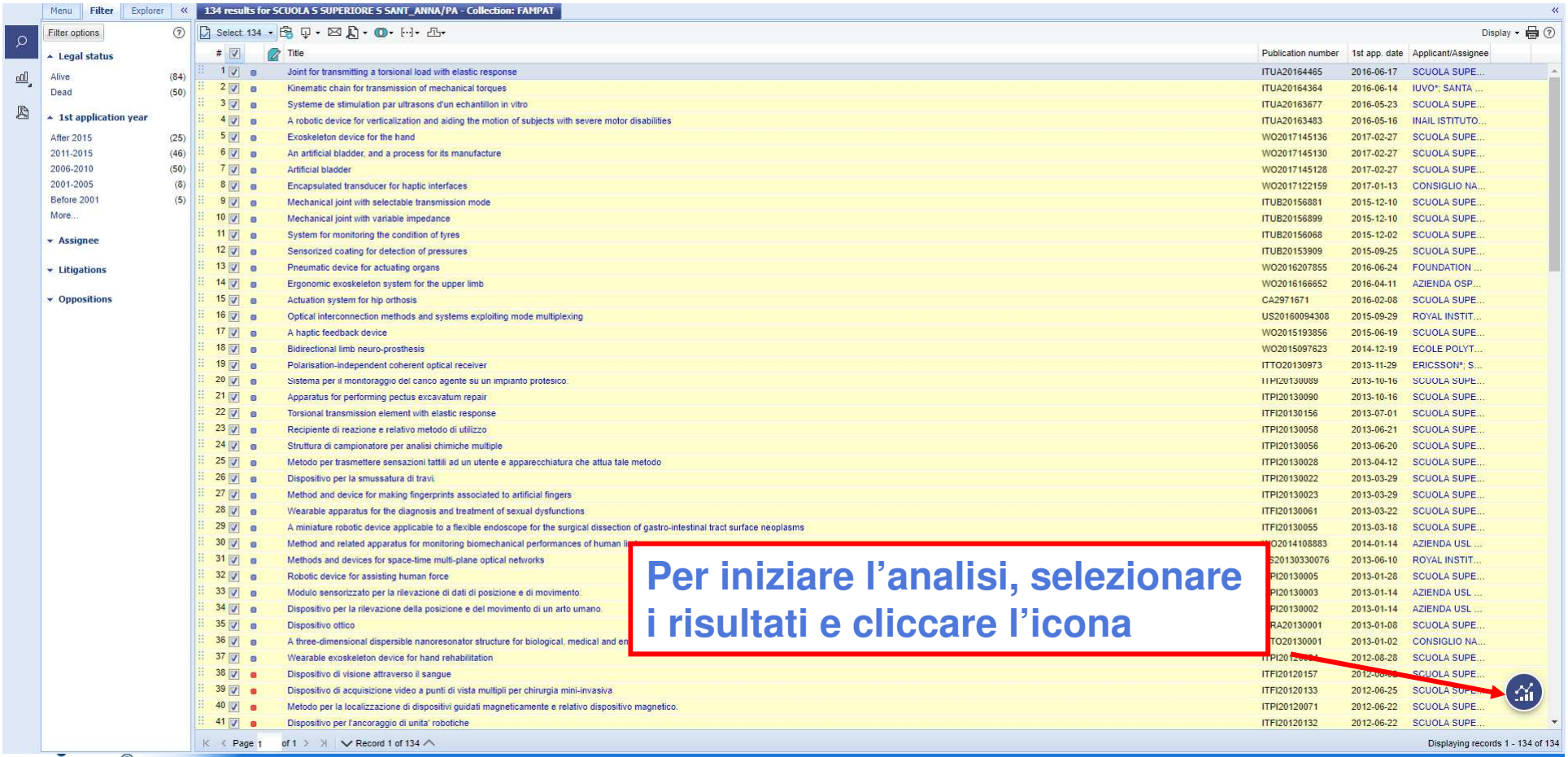


Analisi

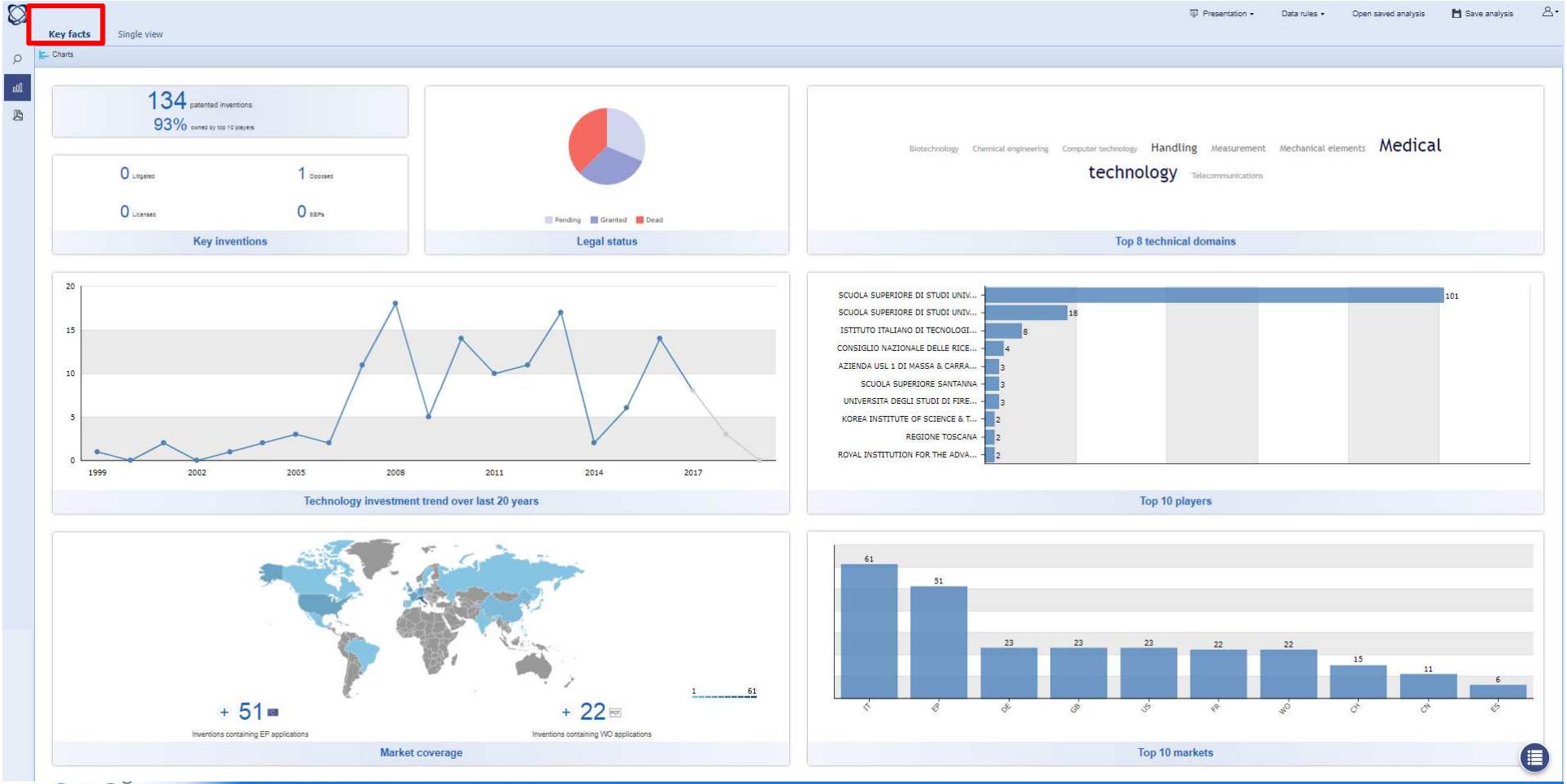
Moduli analisi

	SILVER Basic Analysis	GOLD Standard Analysis	PLATINUM Advanced Analysis	EXPRESS
ANALYSIS				
Evaluate at a glance players' parent entity, revenue and intellectual property KPI using the "Entity Card" in search results and charts	•	•	•	-
Analyze patents or patent families instantaneously	• 100 000 records	• 300 000 records	• 2 000 000 records	• 9 charts included
Save & archive patent analysis	• 15 000 records	• 20 000 records	• 30 000 records	-
Group players using data rules	•	•	•	-
Scan through records from chart single selection	•	•	•	•
Isolate patents cited in standards, licensing agreements, litigation, opposition	•	•	•	-
Share html Presentation containing a selection of charts and PPT Export	•	•	•	-
Download a 1-click customizable IP business intelligence presentation	-	•	•	-
Color charts by values, save color templates	-	•	•	-
Scan through records from chart multiple selection	-	•	•	-
Drill down from selections of chart values	-	•	•	-
Create chart templates available for future analysis	-	•	•	-
Analyze normalized technical concepts	-	•	•	-
Customize axis of analysis with any complex strategies or lists	-	-	•	-
Advanced charts (radar, tabular, benchmark table)	-	-	•	-
Map patent families by clusters of normalized technical concepts	-	-	• 20 000 records	-
Analyze key metrics and Patent Strength	-	-	•	-
Analyze patent expenditure	-	-	•	-
Compare actors, technologies and more	-	-	•	-
Export complete set of analyzed data into Excel	-	-	•	-
EVALUATION (Guided activities)				
INNOVATION — Technology Scouting	-	-	•	-
INNOVATION — M&A Licensing-in	-	-	•	-
RISK ASSESSMENT — Business Case Assessment	-	-	•	-
RISK ASSESSMENT — Legal Risk Assessment	-	-	•	-
PORTFOLIO MANAGEMENT — Ability to Exclude	-	-	•	-
PORTFOLIO MANAGEMENT — Portfolio Pruning	-	-	•	-
LICENSING — Licensable Art	-	-	•	-
LICENSING — Licensing-out	-	-	•	-

Select results



Key facts


Key facts
Single view
Charts
Presentation
Data rules
Open saved analysis
Save analysis
134 patented inventions
93% owned by top 10 players
0 Litigated
1 Opposed
0 Licensed
0 SEPs
Key inventions
Pending
Granted
Dead
Legal status
Biotechnology
Chemical engineering
Computer technology
Handling
Measurement
Mechanical elements
Medical technology
Telecommunications
Top 8 technical domains
20
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1999
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2011
2014
2017
Technology investment trend over last 20 years
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ISTITUTO ITALIANO DI TECNOLOGI... 8
CONSIGLIO NAZIONALE DELLE RICE... 4
AZIENDA USL 1 DI MASSA & CARRA... 3
SCUOLA SUPERIORE SANTANNA 3
UNIVERSITA DEGLI STUDI DI FIRE... 3
KOREA INSTITUTE OF SCIENCE & T... 2
REGIONE TOSCANA 2
ROYAL INSTITUTION FOR THE ADVA... 2
Top 10 players
+ 51
Inventions containing EP applications
+ 22
Inventions containing WO applications
1
61
Market coverage
61
51
23
23
23
22
22
15
11
6
IT
EP
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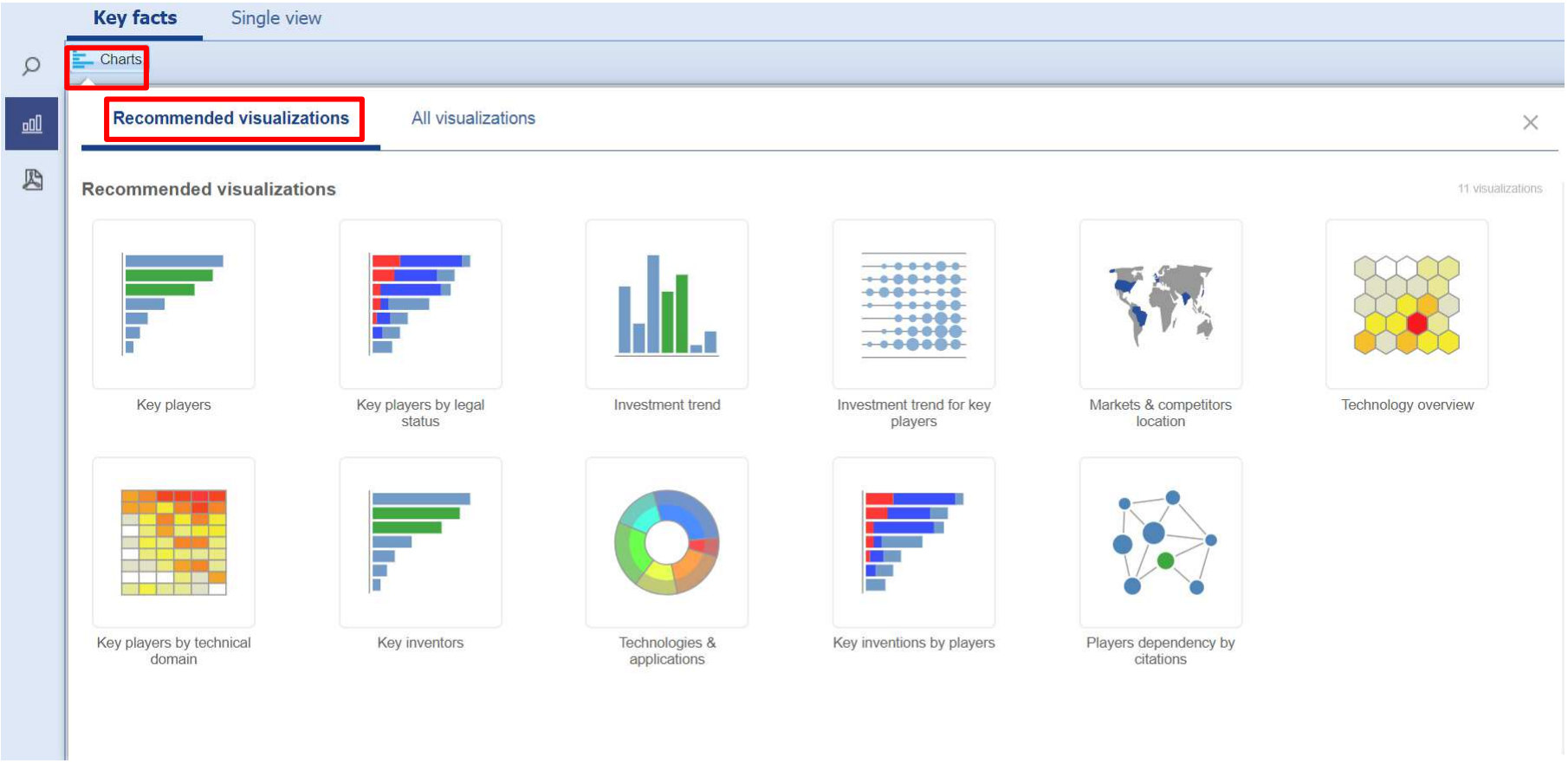
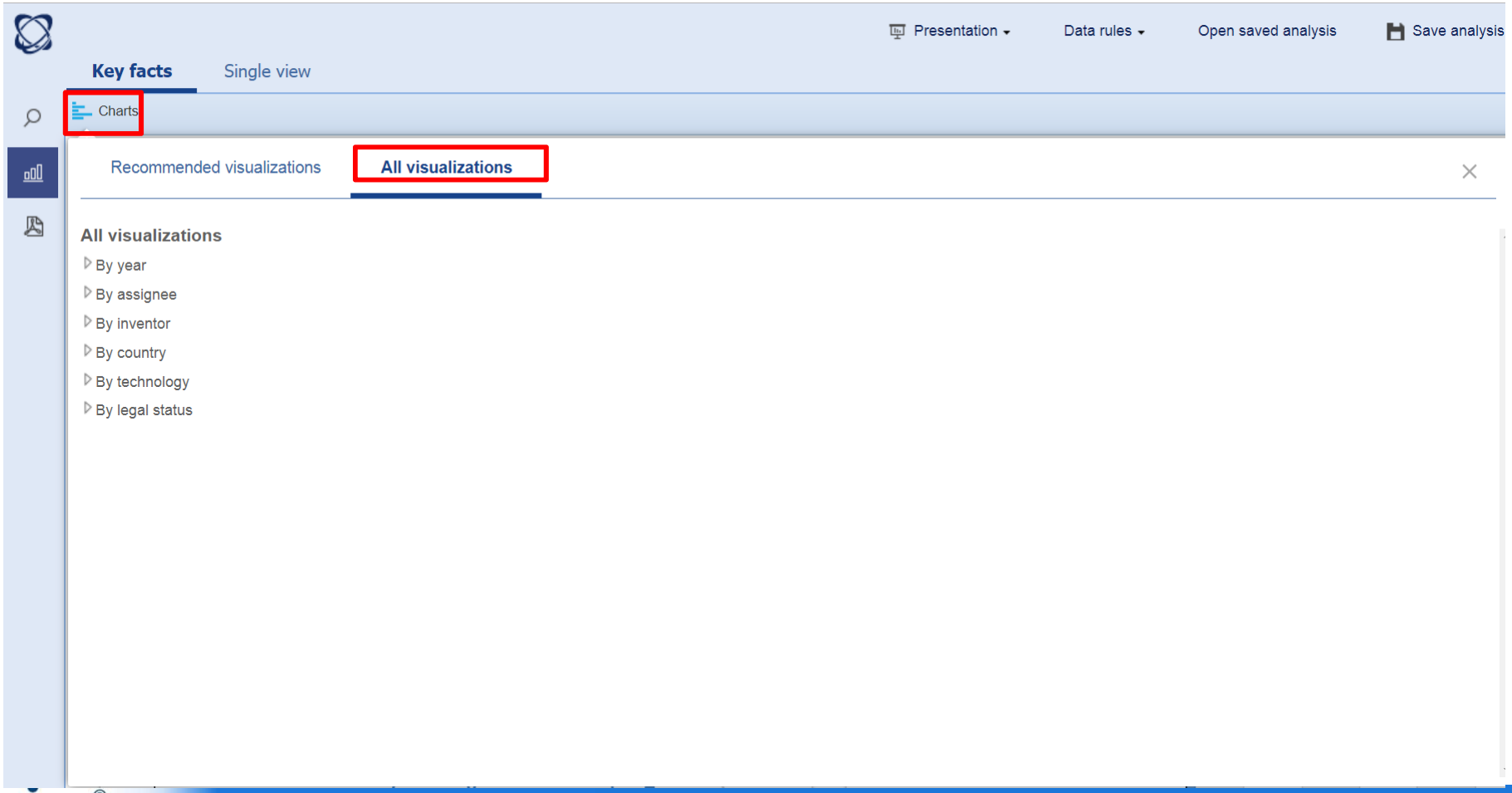
GB
US
FR
WO
CH
CN
ES
Top 10 markets

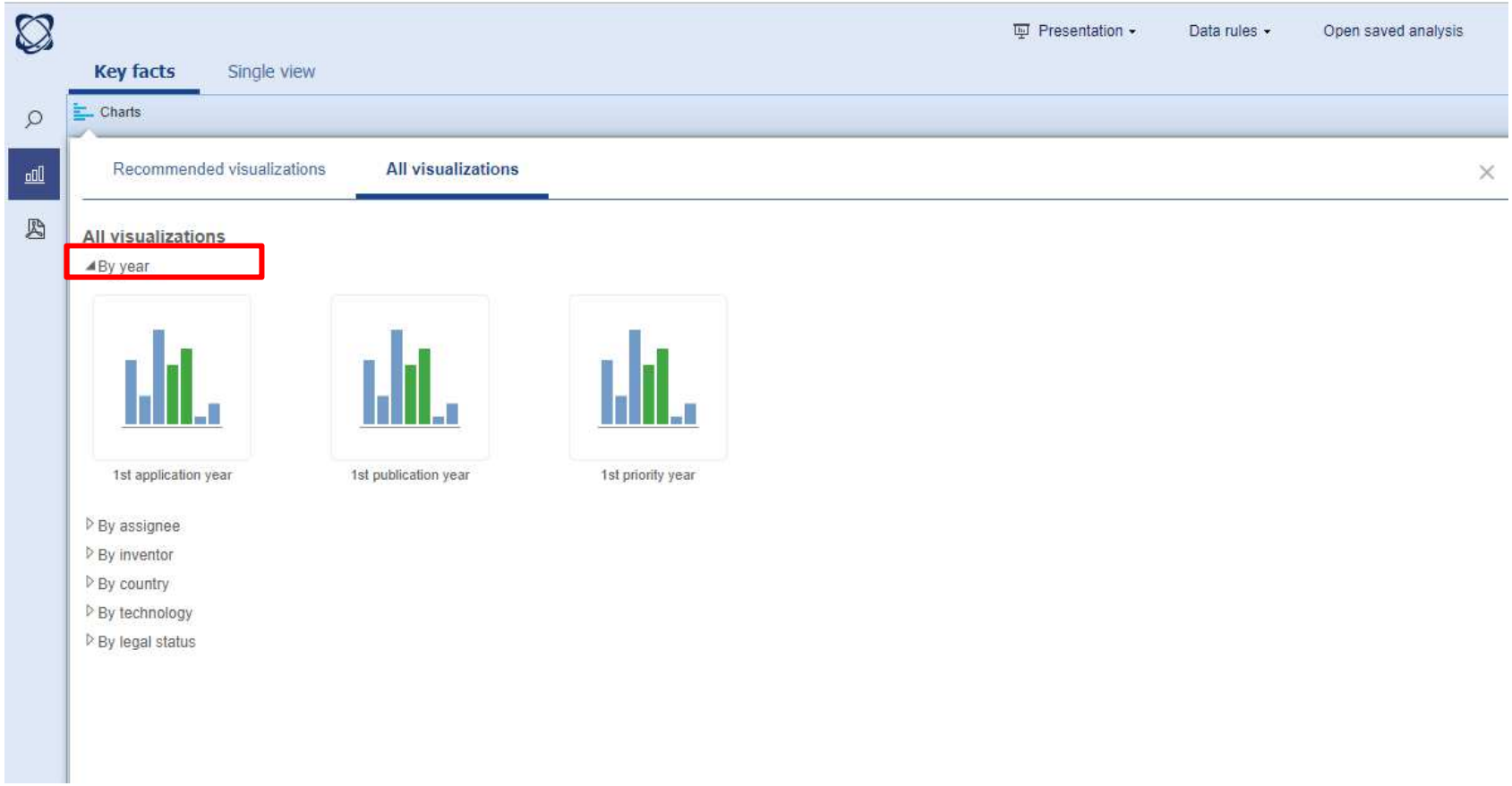
Recommended visualizations



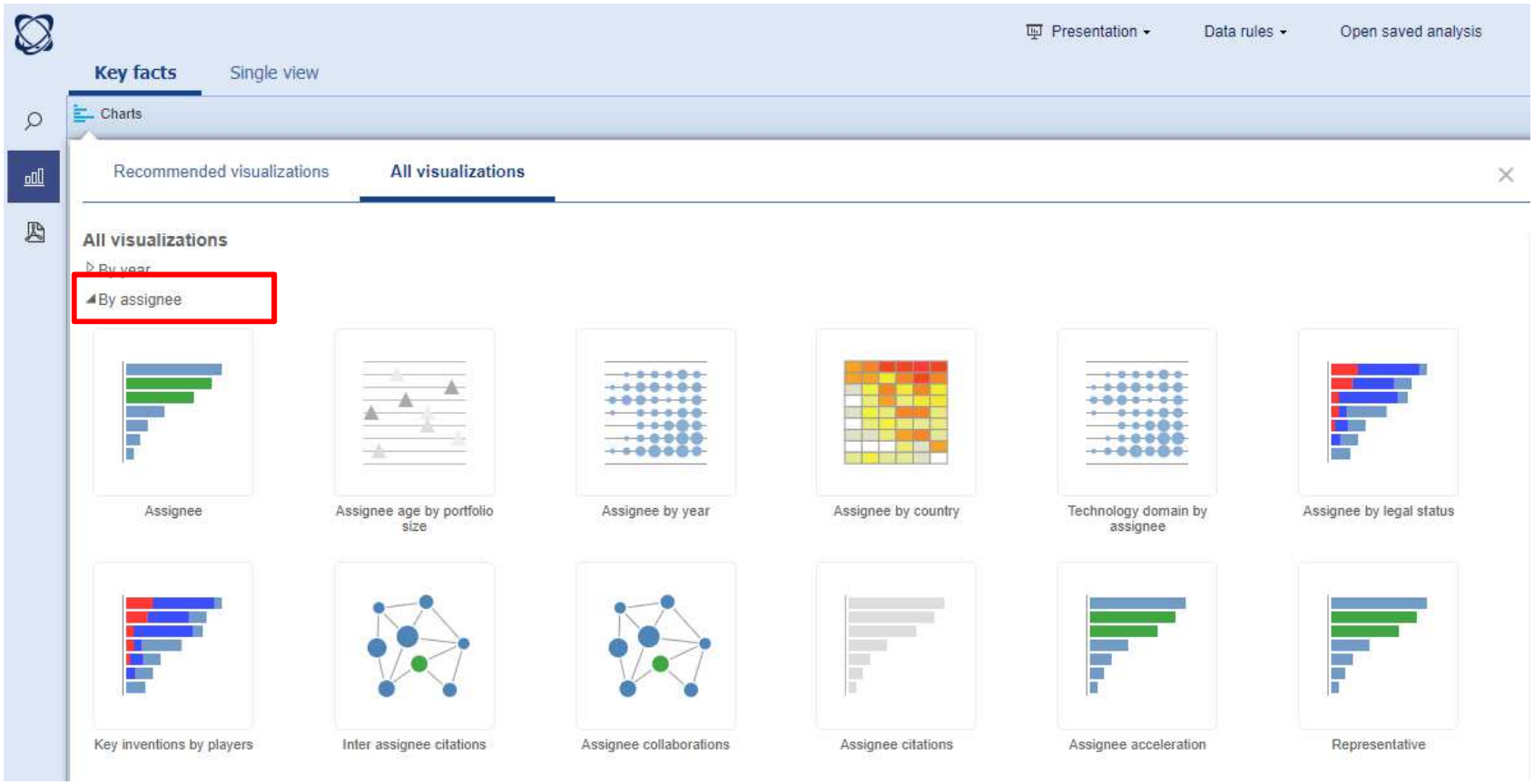
All visualizations



By year


Presentation
Data rules
Open saved analysis
Key facts
Single view
Charts
Recommended visualizations
All visualizations
All visualizations
By year
1st application year
1st publication year
1st priority year
By assignee
By inventor
By country
By technology
By legal status

By assignee


Presentation
Data rules
Open saved analysis
Key facts
Single view
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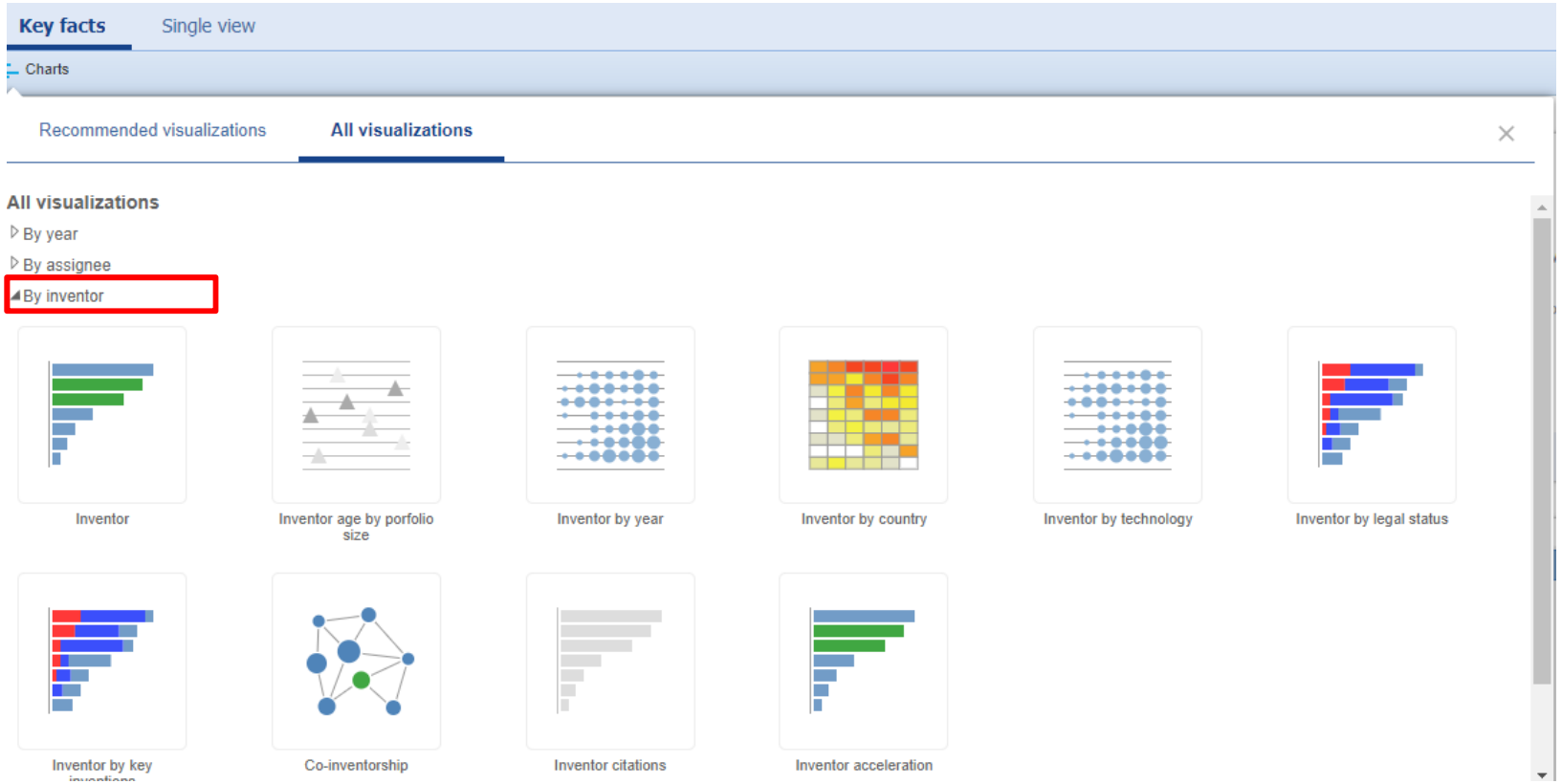
Recommended visualizations
All visualizations
All visualizations
By year
By assignee
Assignee
Assignee age by portfolio size
Assignee by year
Assignee by country
Technology domain by assignee
Assignee by legal status
Key inventions by players
Inter assignee citations
Assignee collaborations
Assignee citations
Assignee acceleration
Representative

By inventor


Key facts
Single view
Charts
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All visualizations
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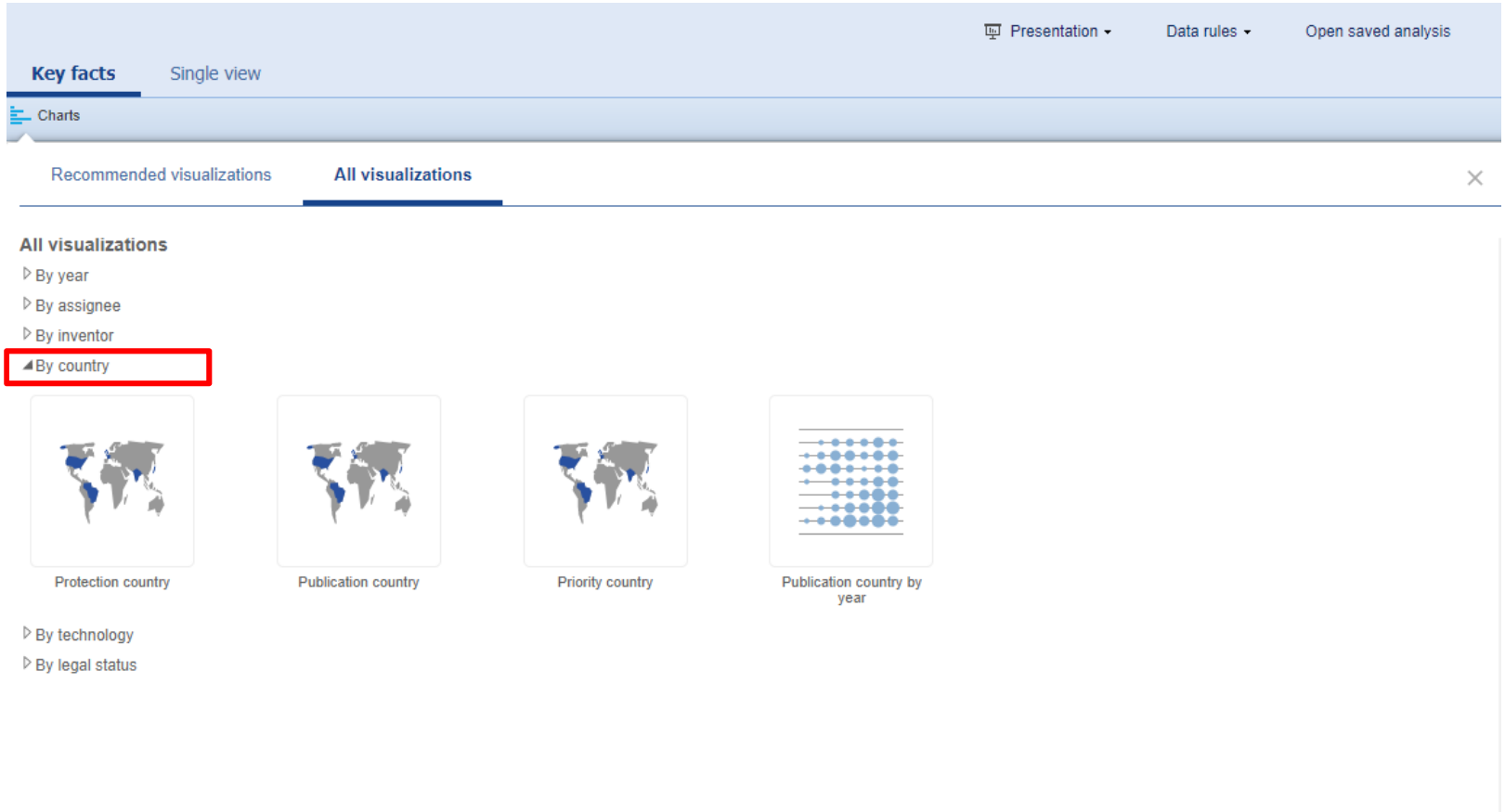
By year
By assignee
By inventor
Inventor
Inventor age by porfolio size
Inventor by year
Inventor by country
Inventor by technology
Inventor by legal status
Inventor by key
Co-inventorship
Inventor citations
Inventor acceleration

By country


Presentation
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Single view
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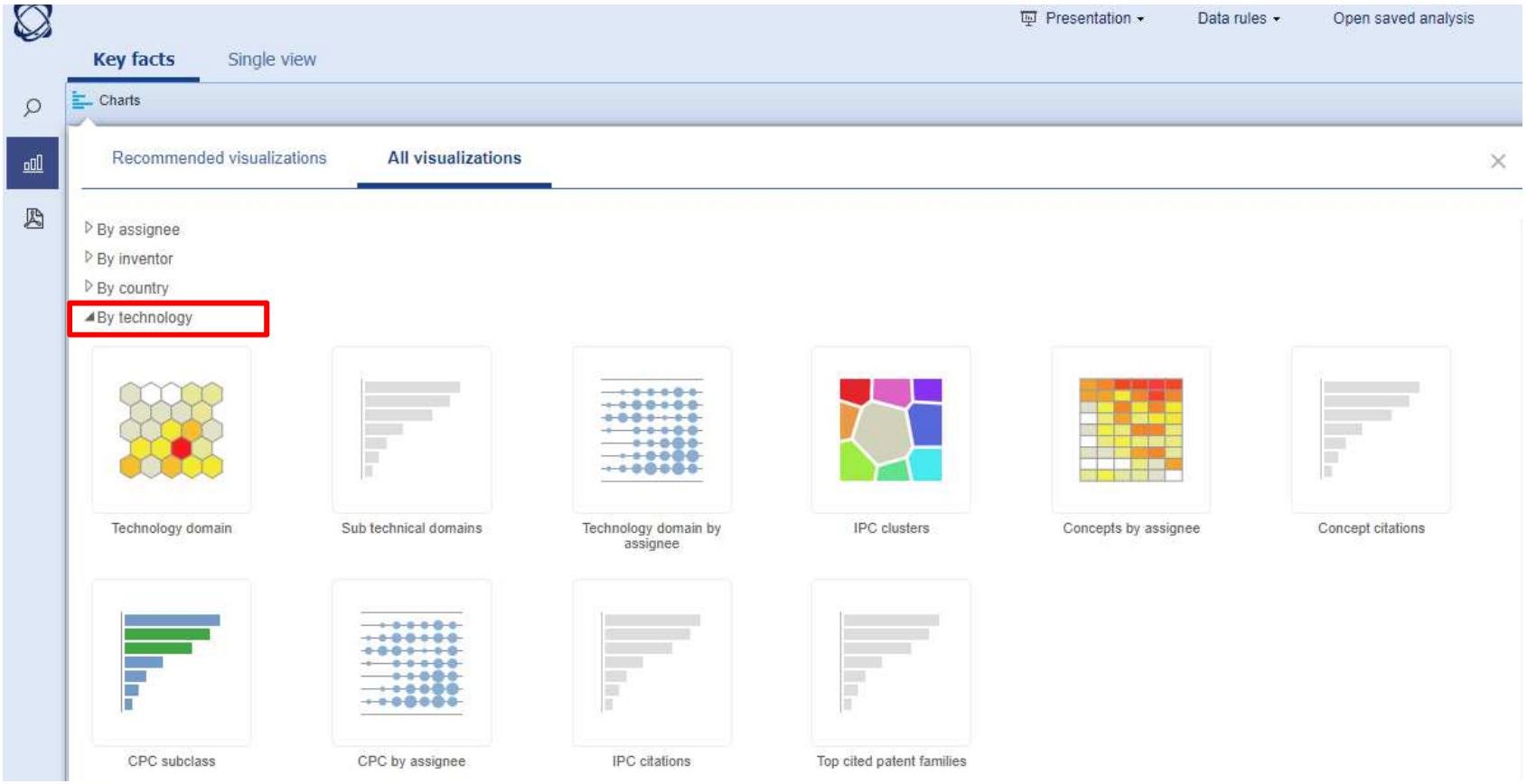
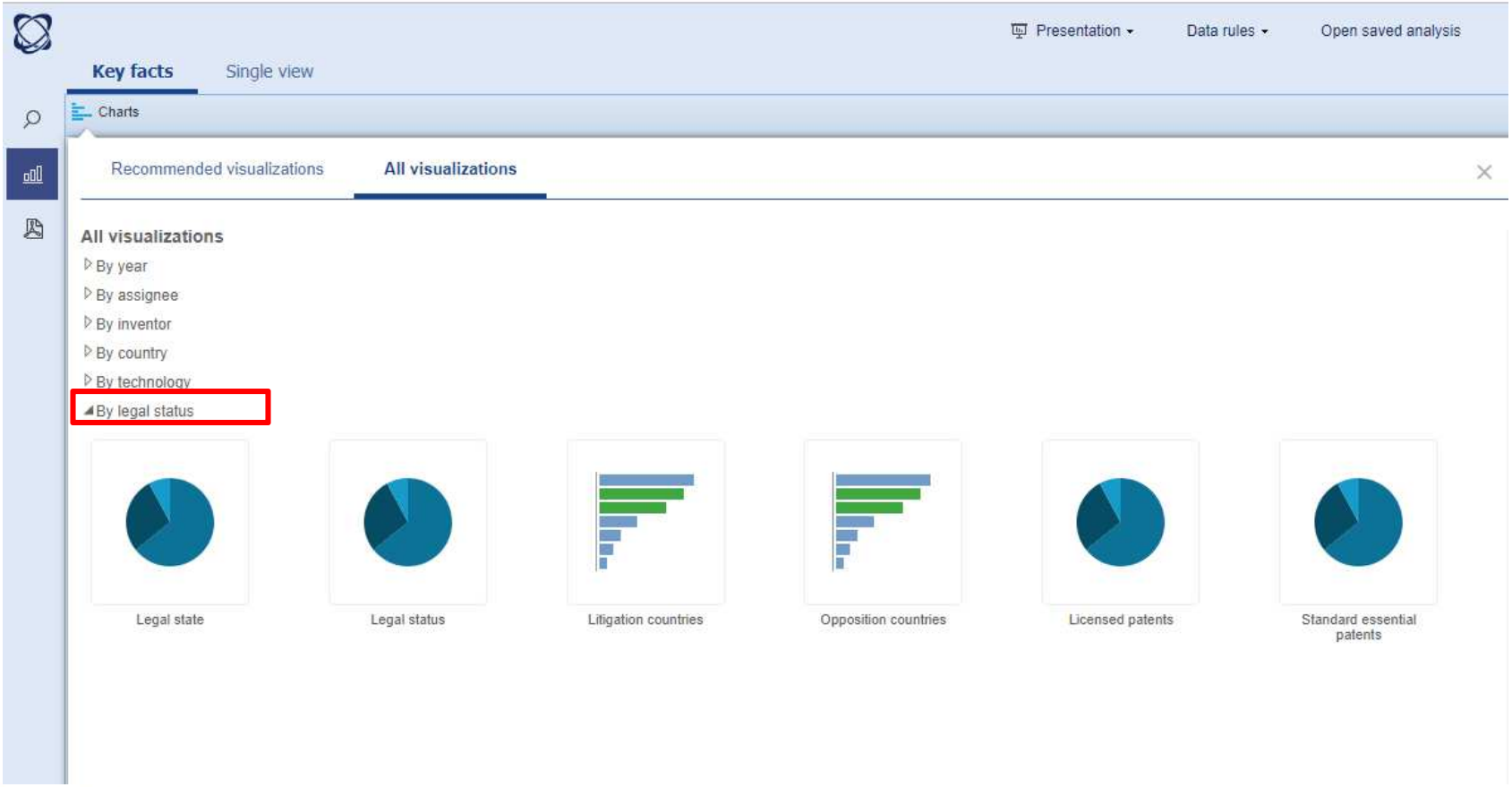
By year
By assignee
By inventor
By country
Protection country
Publication country
Priority country
Publication country by year
By technology
By legal status

By technology



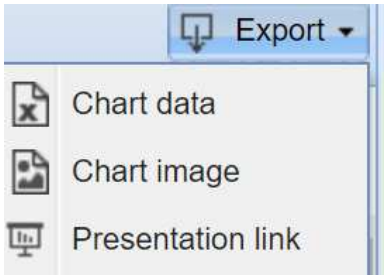
By legal status



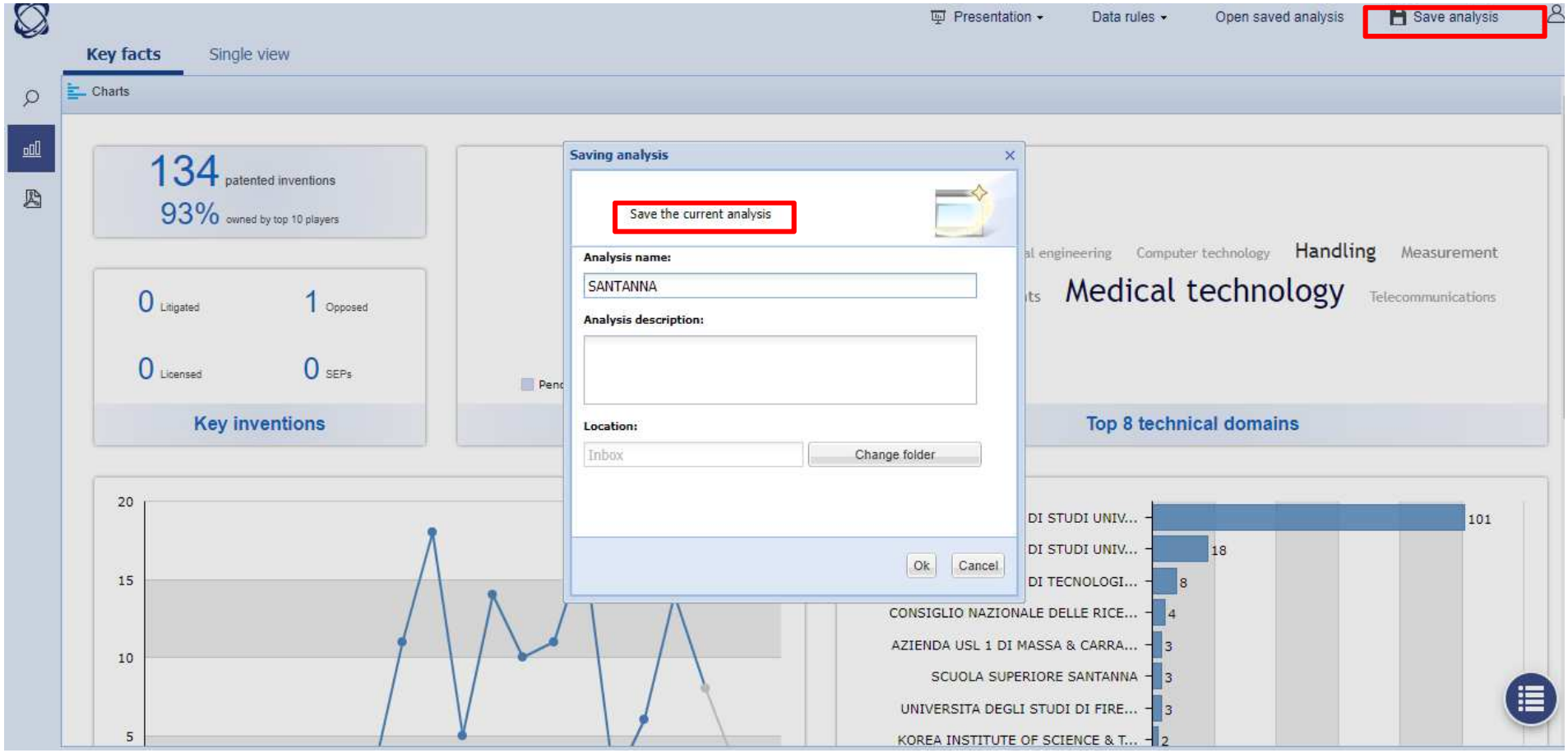
Tipi grafici e export

Tipi grafici

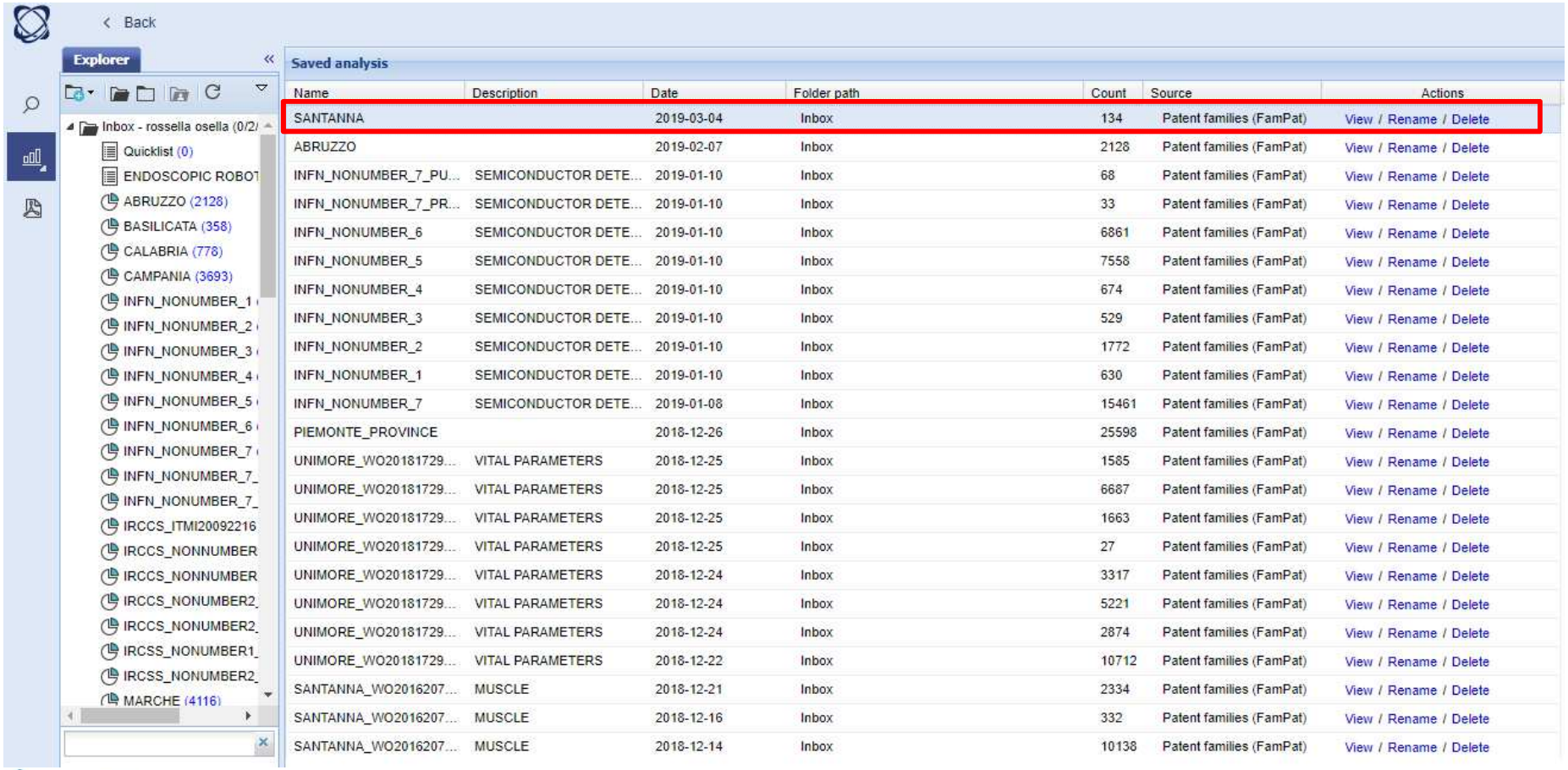
Export



Save analysis



Saved analysis



Name	Description	Date	Folder path	Count	Source	Actions
SANTANNA		2019-03-04	Inbox	134	Patent families (FamPat)	View / Rename / Delete
ABRUZZO		2019-02-07	Inbox	2128	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_7_PU...	SEMICONDUCTOR DETE...	2019-01-10	Inbox	68	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_7_PR...	SEMICONDUCTOR DETE...	2019-01-10	Inbox	33	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_6	SEMICONDUCTOR DETE...	2019-01-10	Inbox	6861	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_5	SEMICONDUCTOR DETE...	2019-01-10	Inbox	7558	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_4	SEMICONDUCTOR DETE...	2019-01-10	Inbox	674	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_3	SEMICONDUCTOR DETE...	2019-01-10	Inbox	529	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_2	SEMICONDUCTOR DETE...	2019-01-10	Inbox	1772	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_1	SEMICONDUCTOR DETE...	2019-01-10	Inbox	630	Patent families (FamPat)	View / Rename / Delete
INFN_NONUMBER_7	SEMICONDUCTOR DETE...	2019-01-08	Inbox	15461	Patent families (FamPat)	View / Rename / Delete
PIEMONTE_PROVINCE		2018-12-26	Inbox	25598	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-25	Inbox	1585	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-25	Inbox	6687	Patent families (FamPat)	View / Rename / Delete
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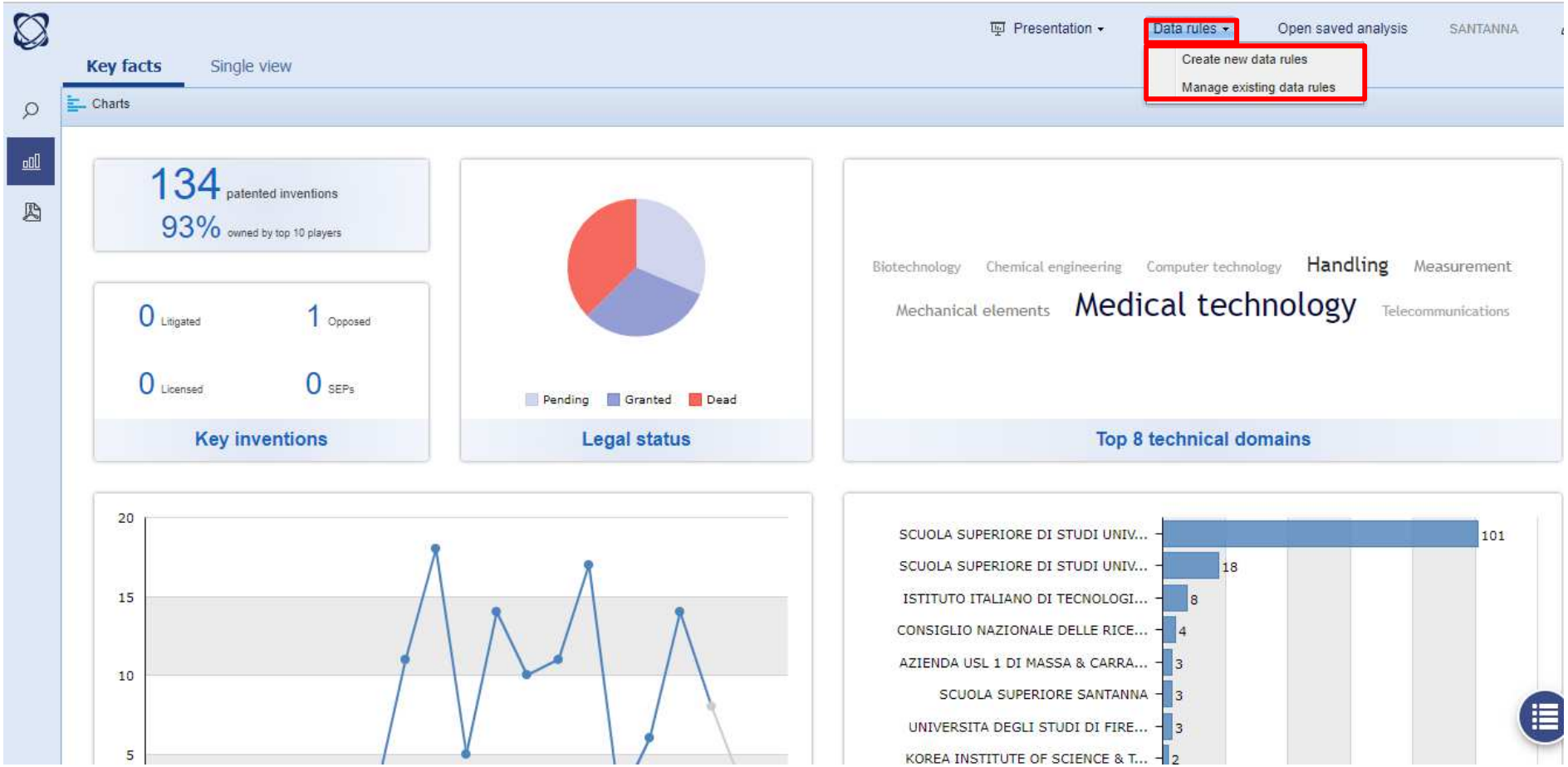
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-22	Inbox	10712	Patent families (FamPat)	View / Rename / Delete
SANTANNA_WO2016207...	MUSCLE	2018-12-21	Inbox	2334	Patent families (FamPat)	View / Rename / Delete
SANTANNA_WO2016207...	MUSCLE	2018-12-16	Inbox	332	Patent families (FamPat)	View / Rename / Delete
SANTANNA_WO2016207...	MUSCLE	2018-12-14	Inbox	10138	Patent families (FamPat)	View / Rename / Delete

Data rules (for saved searches)



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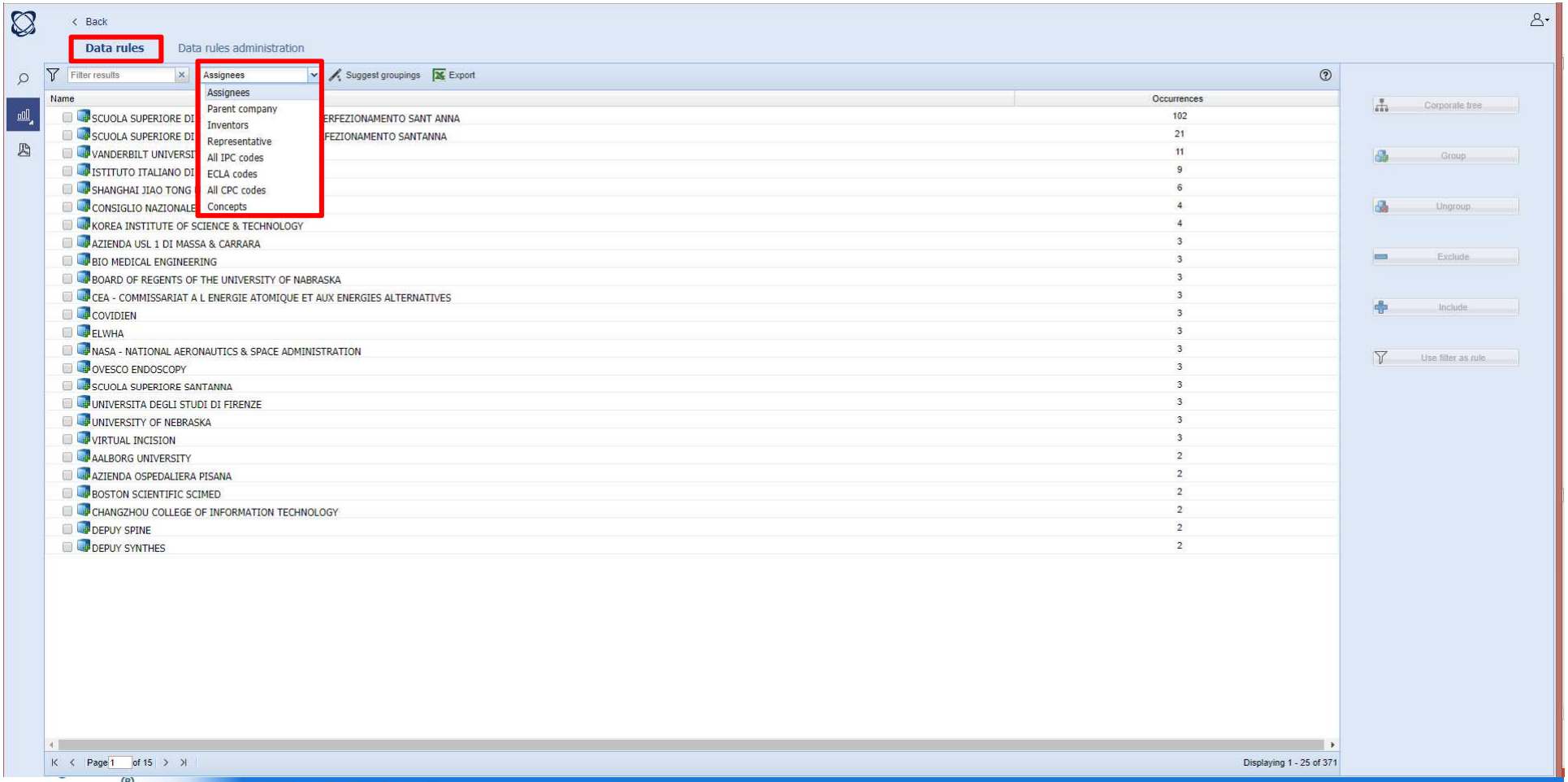
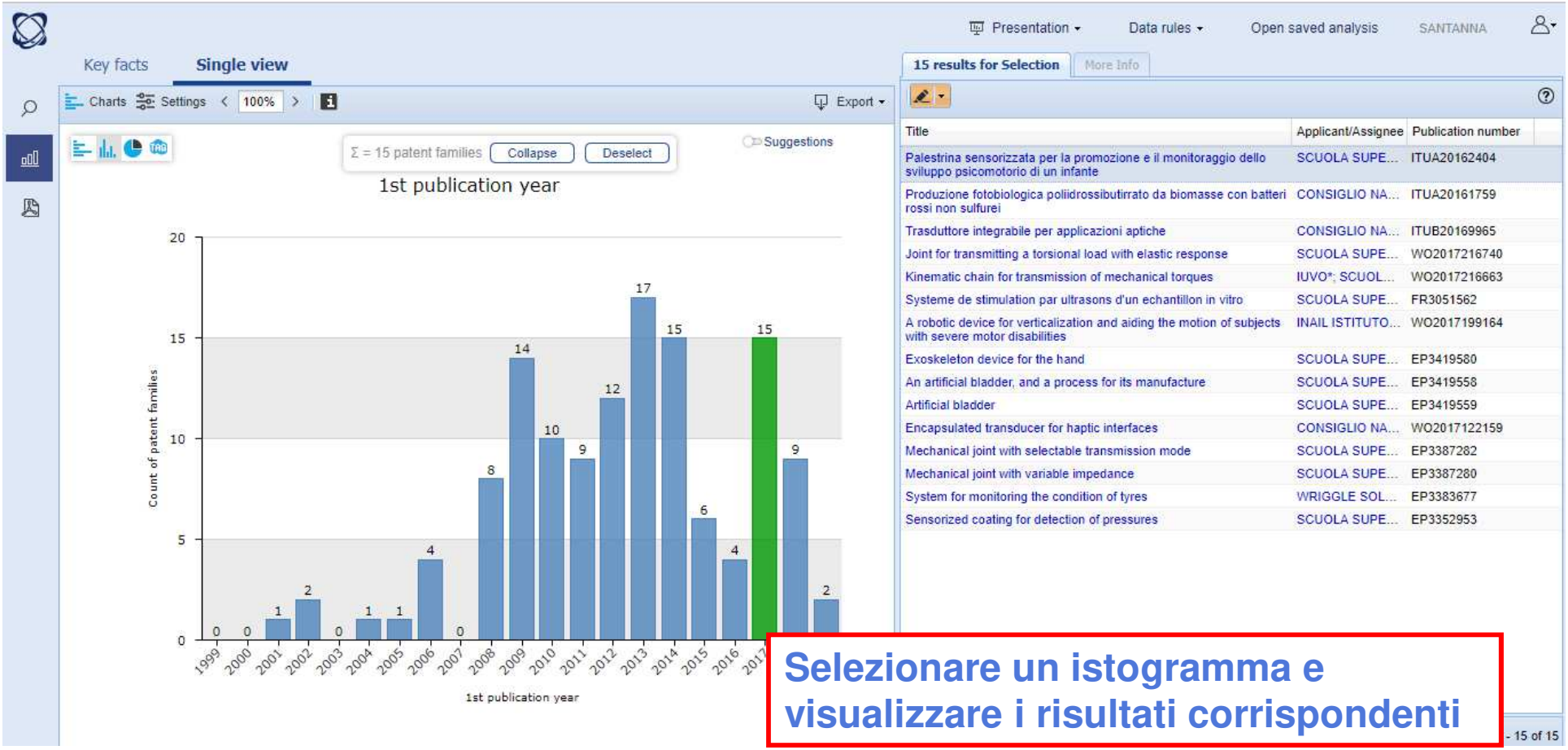


Settings - Customize

Publication year - Results



Selezionare un istogramma e visualizzare i risultati corrispondenti

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- Copertura dati
- Maschere di ricerca
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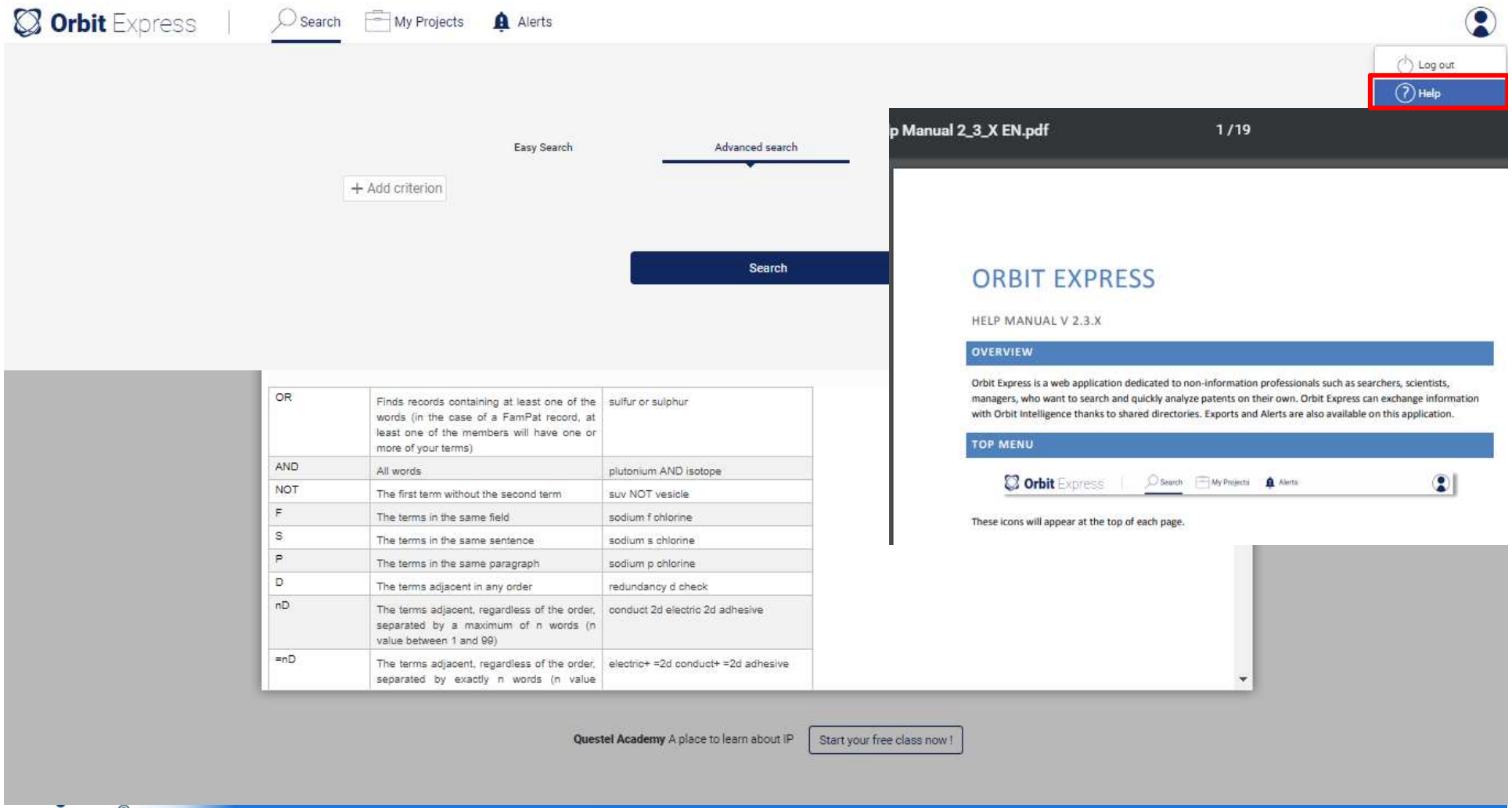
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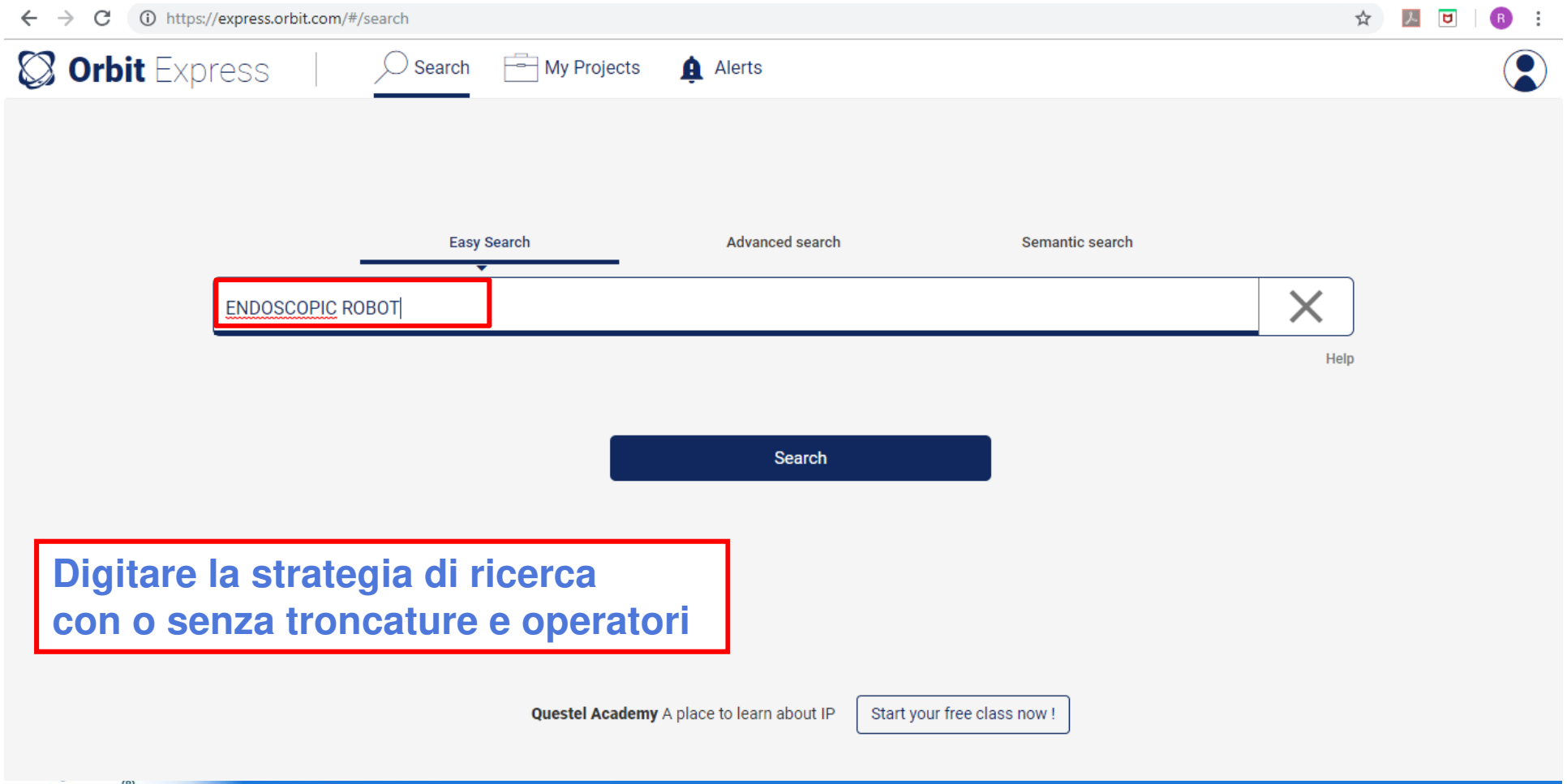
Maschere ricerca

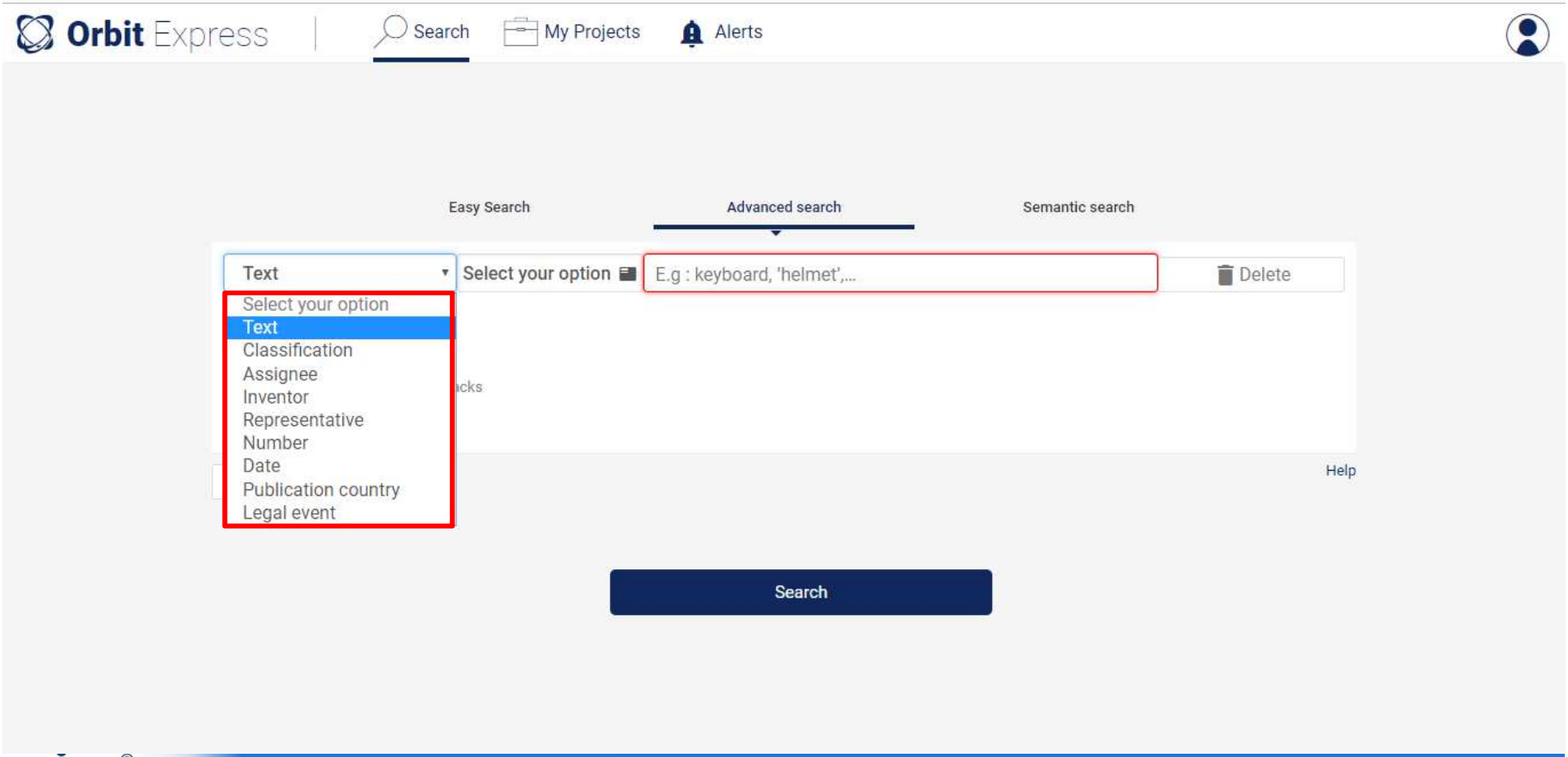
- **Easy search**
- **Advanced search**
- **Semantic search**

Easy search

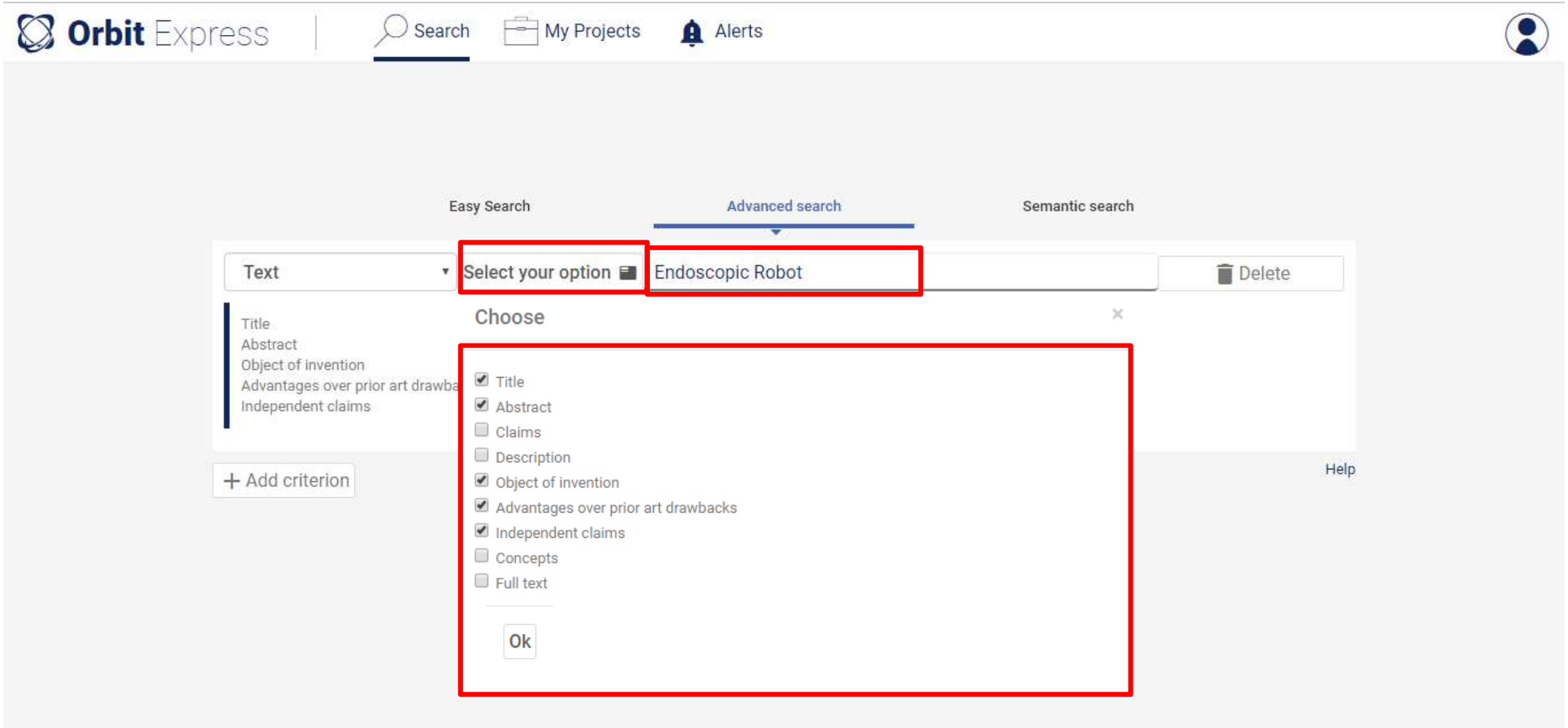


Digitare la strategia di ricerca con o senza troncature e operatori

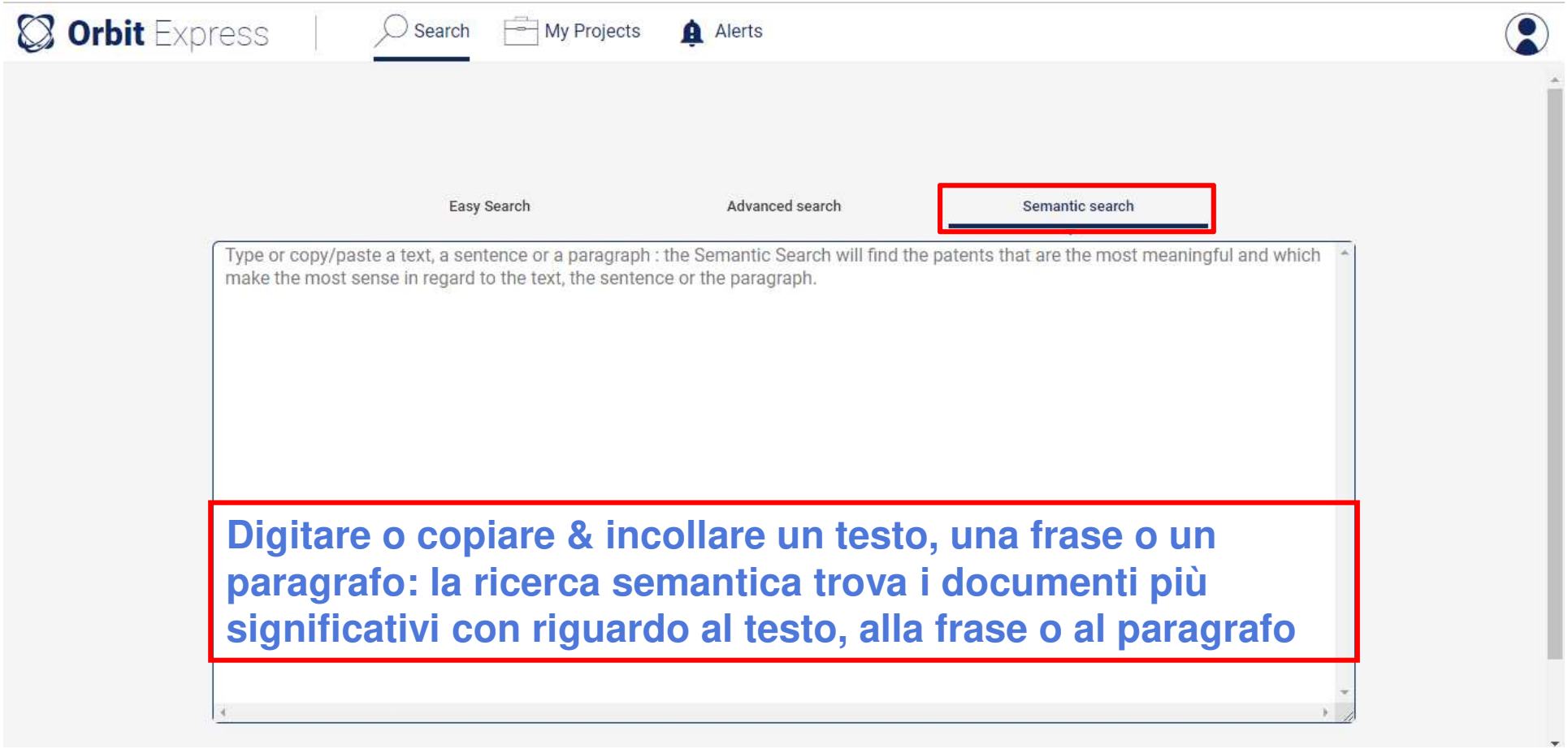
Advanced search – Fields



Advanced search – Search text



Semantic search



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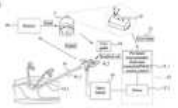
Assistive **robot endoscopic** system with intuitive maneuverability for laparoscopic surgery and method thereof

TW201625173 | 2016-07-16 | NATIONAL TAIWAN UNIVERSITY

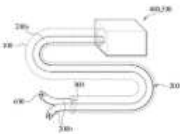
Provided is an assistive **robot endoscopic** system, including a wireless gyroscope, measuring an intuitive motion of a user's (e.g., a surgeon) head, generating data based on the intuitive motion of the user's head and transmitting the data to a computer; a control system, receiving the data from the computer; and a laparoscope, having a robotic endoscope and automatically controlled by the control system based on the intuitive motion of the user's head. In addition, the present



Robot apparatus for **endoscopic** surgery

KR20110120476 | 2011-11-04 | KOREA ADVANCED INSTITUTE OF SCIENCE & TECHNOLOGY

PURPOSE: A **robot** apparatus for an **endoscopic** surgery is provided to have enough flexibility by including a flexible shaft and a **robot** arm in an internal **robot**. CONSTITUTION: In a **robot** apparatus for an **endoscopic** surgery, an over-tube(100) is approached to an incision part through a natural opening or small opening part. A plurality of internal robots(200) is comprised of a flexible shaft and a **robot** arm with bending joint. An endoscope(300) is formed in the end of an over-tube or in



Endoscopic robot

IT96MI2188 | 1998-04-22 | SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT ANNA

An **endoscopic robot** (1), designed for being inserted into a body cavity (C) of a patient and advanced therein in a prefixed direction (A) with a so-called inchworm-like motion, comprising a variable length segment (2) and aspiration means (12, 13) for selectively producing a pneumatic vacuum (V) between the **robot** (1) and the body cavity (C) at the **robot** ends (3, 4) sufficient to produce a substantial anchorage to the body cavity walls, thereby allowing the inchworm-like motion and

Robot system for endoscope treatment

WO2010109932 | 2010-09-30 | OLYMPUS MEDICAL SYSTEMS

Result

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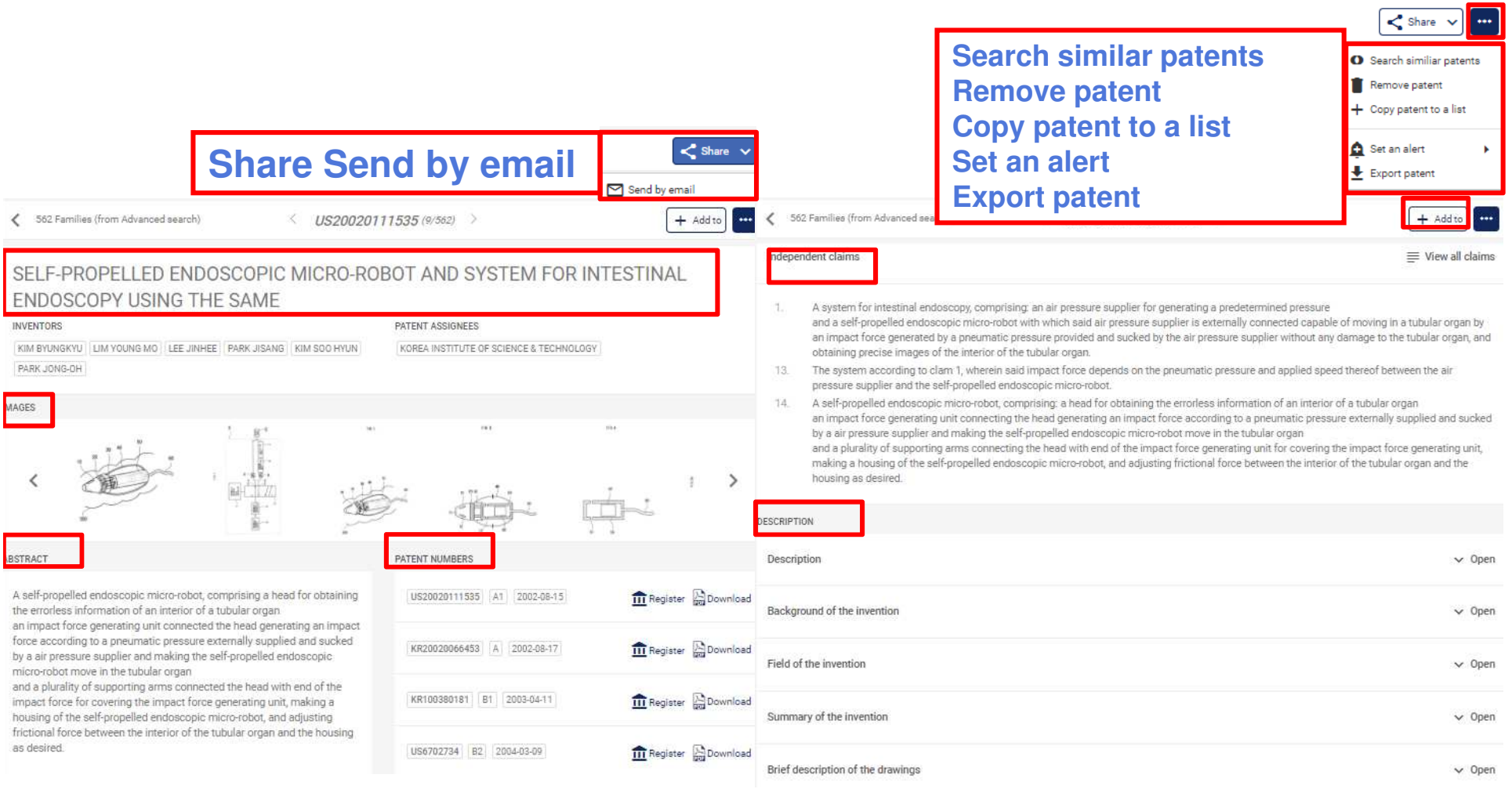

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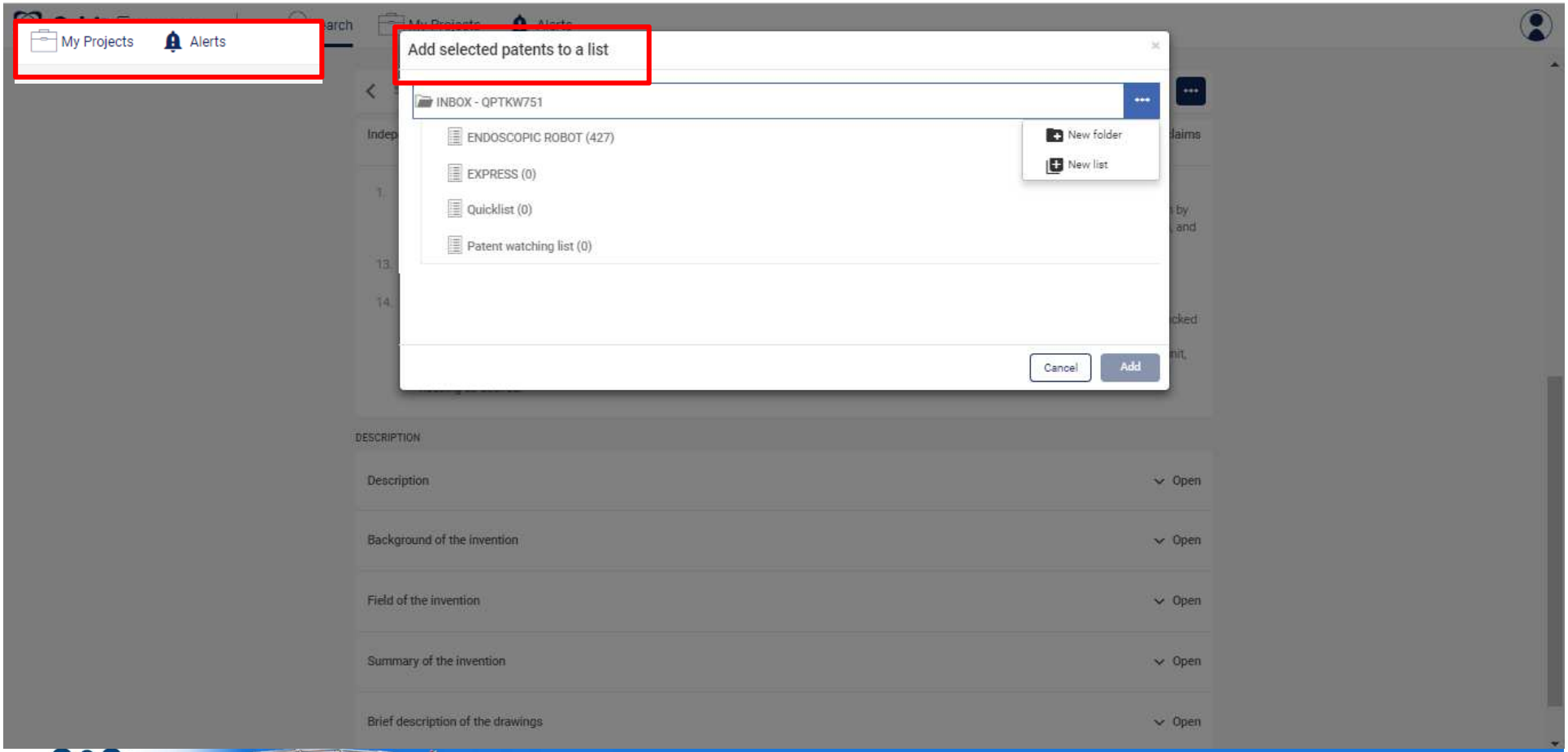

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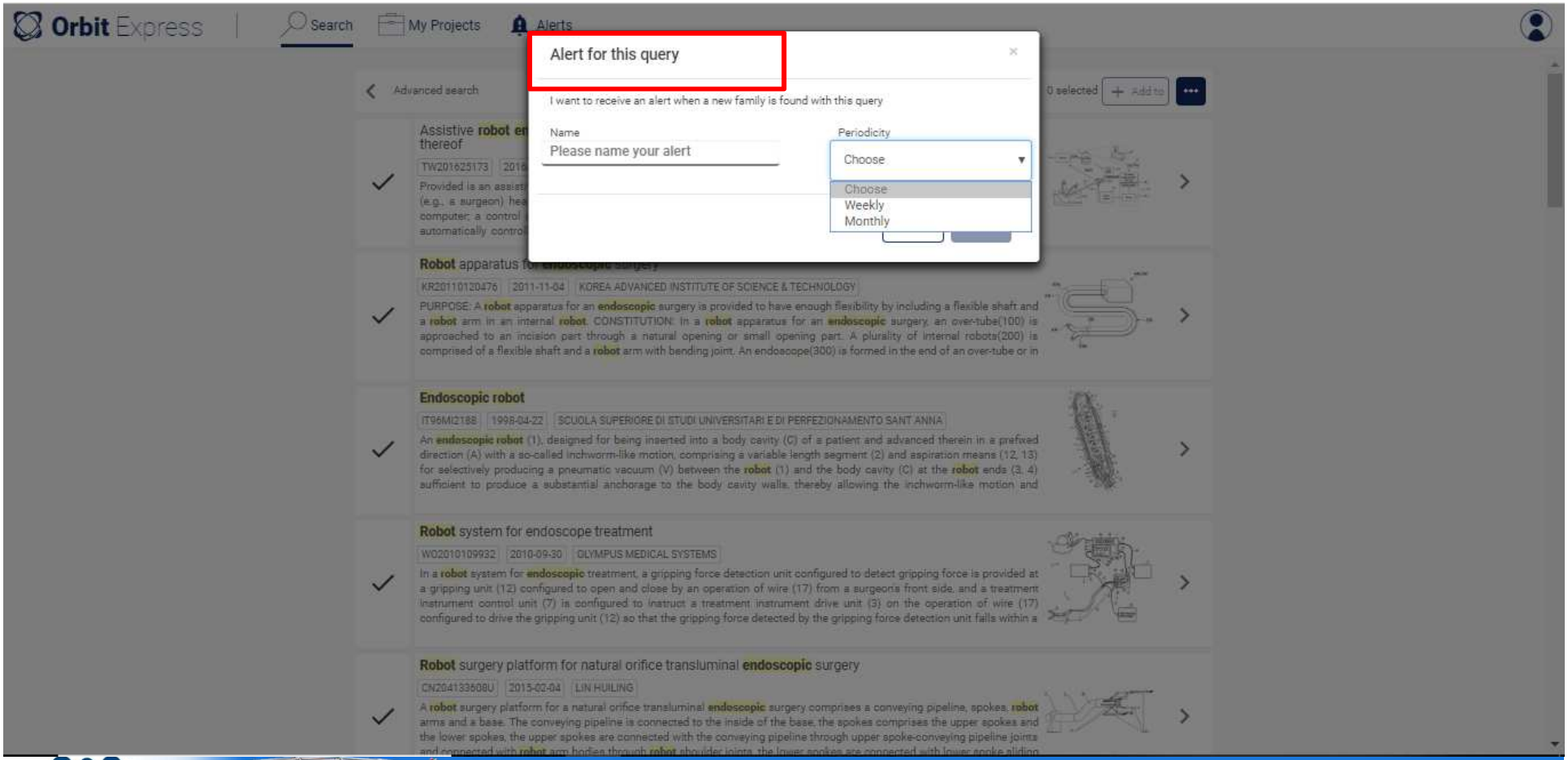

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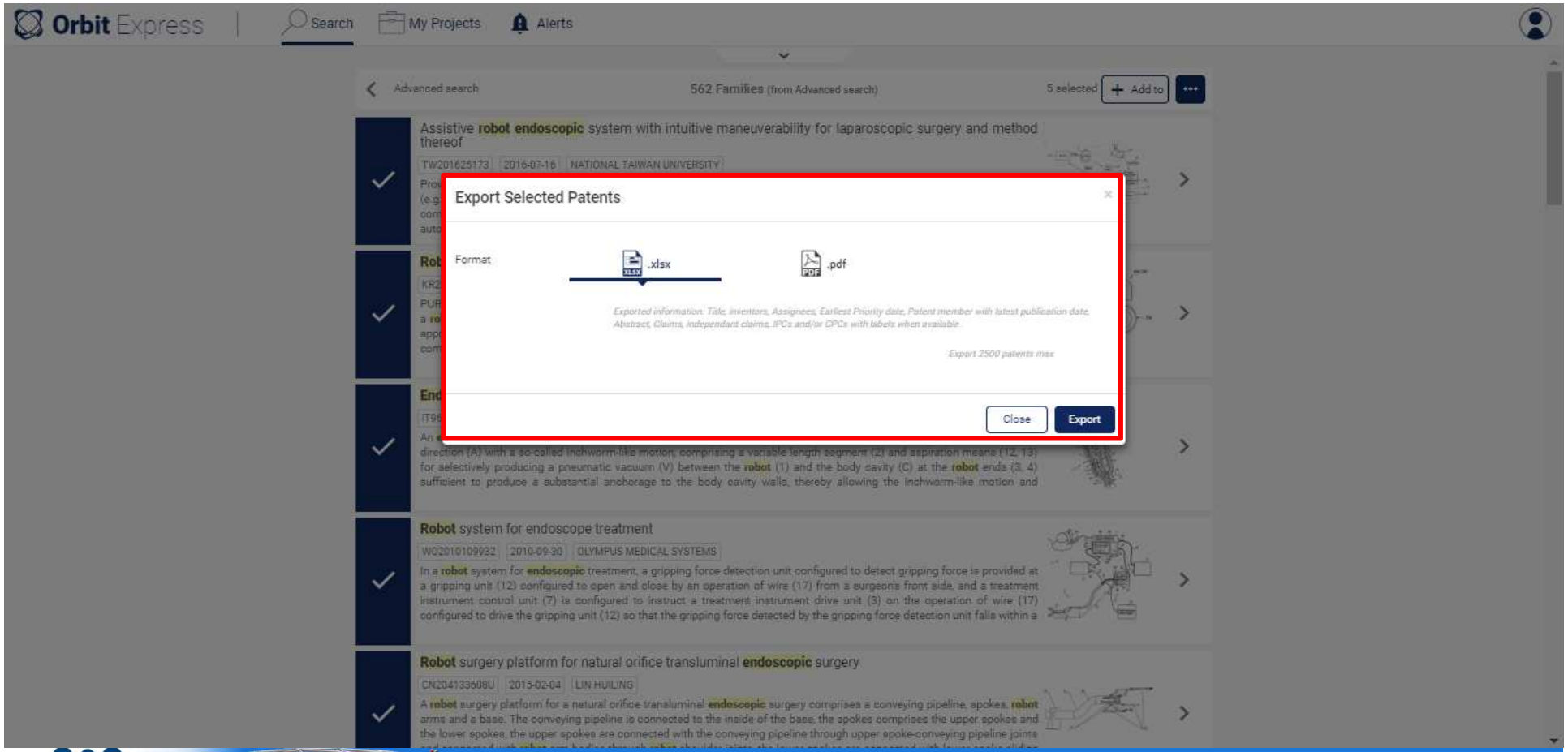

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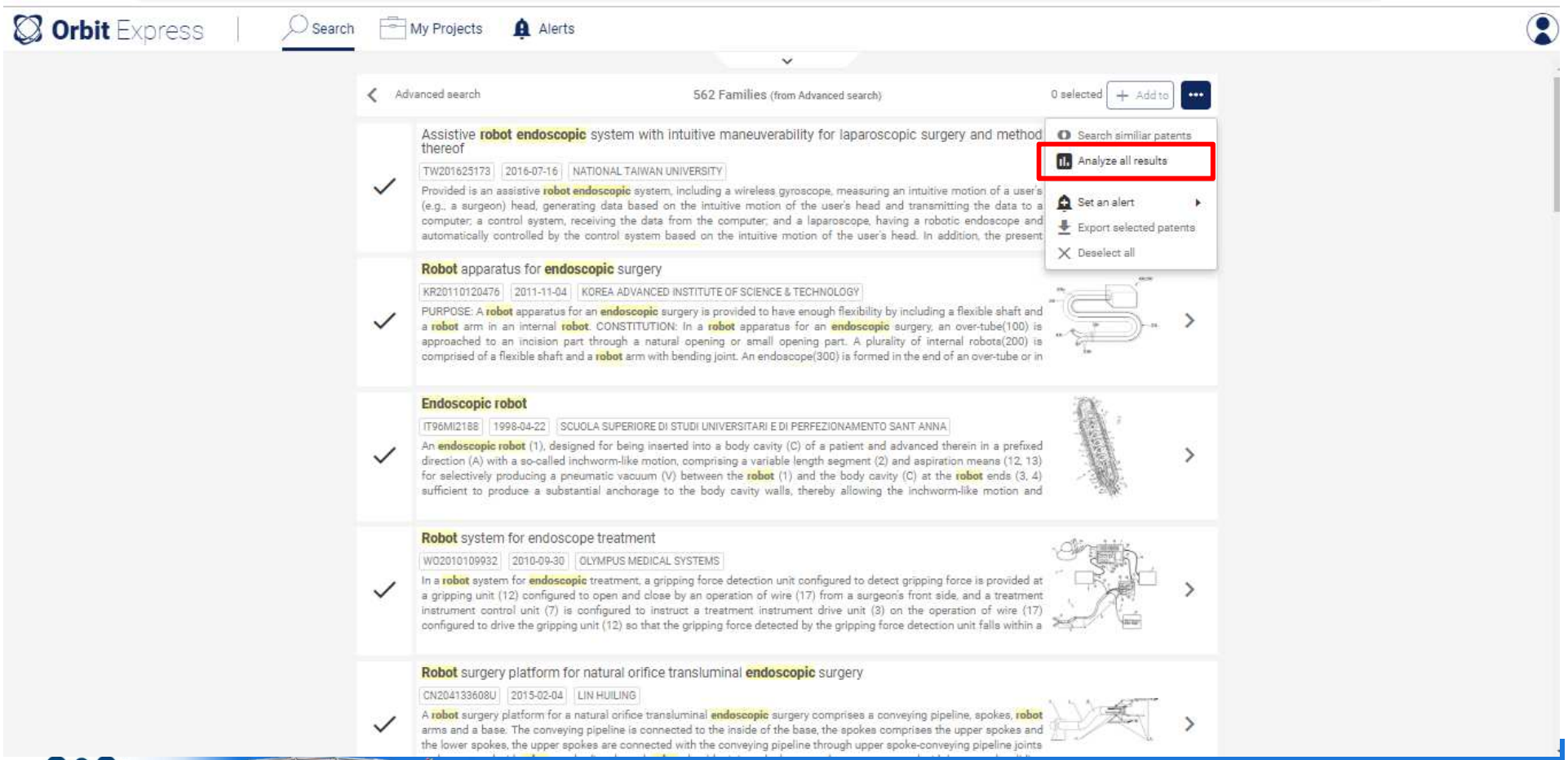

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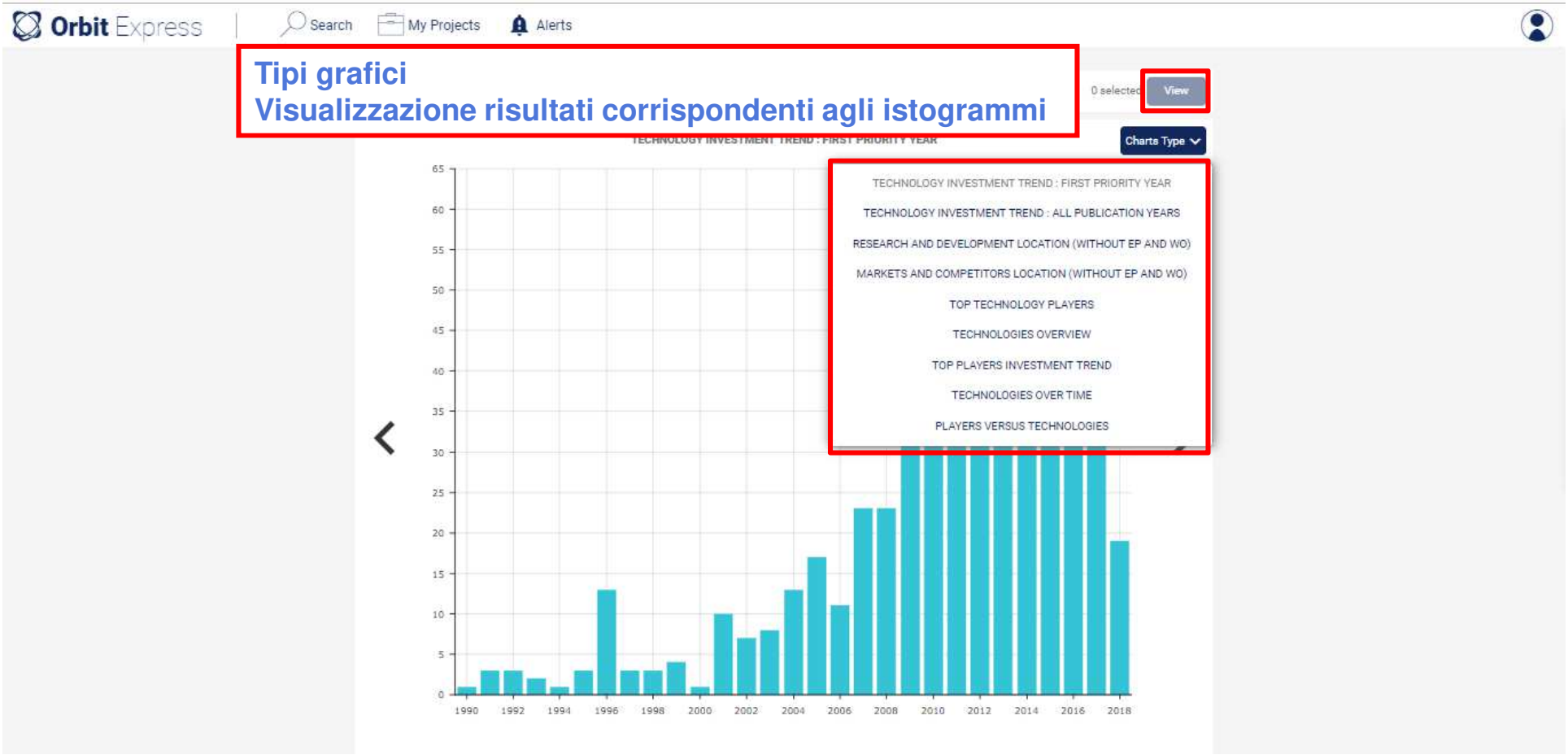
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MARKETS AND COMPETITORS LOCATION (WITHOUT EP AND WO)
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