

ORBIT

SCUOLA SUPERIORE SANT'ANNA
PISA, 19 MARZO 2019

Rossella Osella



Network per la valorizzazione
della ricerca

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.	•	•	•	•
Easyssearch, 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



Network per la valorizzazione
della ricerca

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

The screenshot displays the Orbit help interface. On the left is a navigation menu with categories like 'Tutorials and User guides', 'Search', 'Designs', and 'Licensing'. The main content area is titled 'Tutorials and User guides' and lists various video tutorials such as 'Searching with keywords', 'Using results', and 'Orbit Admin'. A 'FamPat Database' table is visible at the bottom right. A user profile dropdown menu is highlighted with a red box, showing the user's name 'rossella osella' and email 'rossella.osella@netval.it', along with options for 'User settings', 'Help Page', 'Coverage details', and 'Logout'.

CC	Authority	From	Until	Publications	Kind Codes	Last Input Week
AM	Armenia	2001/06/10	2006/09/15	Patent Publication	A2	2018-41
		2009/10/26	2010/04/26	Utility model	U	2018-45
AP	ARIPO	1985/07/03	2017/03/29	Patent	A	2019-09
		1971/03/07	2017/07/31	Application filed, as announced in the Gazette published by this office	A0	2019-09
		1971/03/07	2017/07/31	Patent application filed	D0	2019-09
		2002/06/06	2002/06/06	Utility model	U	2019-02
AR	Argentina	1965/02/11	2019/01/30	Independent patent application	A1	2019-09

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 dell'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

+ 0 *

Illimitato

BICYCL+

*INFLAMMATORY

?

0 o1 carattere

BICYCLE?

ALUMIN?UM

#

Esattamente un carattere POLYMERI#ATION

Operatori

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

Maschere ricerca

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

Easy search

The screenshot shows the Netval search interface. On the left, a sidebar menu lists various search options, with 'Easy search' highlighted. The main content area features a large search box with the text 'E.g.: keyboard, WO2012034567, Microsoft' and a search icon. Below the search box, there is a link for 'Advanced search' and a footer for 'Questel Academy A place to learn about IP' with a 'Start your free class now' button.

Digitare numeri di pubblicazione, parole chiave, depositanti. Non sono necessari operatori booleani.

E.g.: keyboard, WO2012034567, Microsoft

Advanced search

Questel Academy A place to learn about IP [Start your free class now](#)

Advanced search

The screenshot shows a search interface with a sidebar on the left and a main search area. The sidebar includes a 'Menu' tab and an 'Explorer' view. Under 'Searches', 'Advanced search' is highlighted. Under 'My session', 'Search history' and 'Search results' are visible. Under 'Past sessions', 'Previous history' is visible. Under 'My searches', 'My saved searches', 'My alerts', and 'My recent lists' are visible. The main search area has a 'Menu' tab and an 'Explorer' view. The 'Advanced search' tab is active. It features two search input fields with dropdown menus for 'Title, Abstract, Claims' and a search button. Below the search fields is a list of search criteria with checkboxes: Title, Abstract, Claims, Description, Object of invention, Advantages over prior art drawbacks, Independent Claims, Concepts, and Full Text. At the bottom, there are buttons for 'Search', 'Show cmd. line', 'Create script', and 'Clear'. Red boxes highlight the 'Advanced search' tab, the search input fields, the search criteria list, and the 'Search' button. Callouts provide additional information about the interface.

Evidenziare i termini con colori

Possibilità di:

- selezionare i campi di ricerca
- utilizzare troncature, operatori booleani e di prossimità

Campi ricerca

- Testo
- Codici classificazione
- Depositanti, inventori, mandatarî
- Numeri, date, paesi
- Stato legale

Semantic search

Easy search

Menu Explorer << **Semantic search**

- Searches
 - Easy search
 - Advanced search
 - Semantic search**
 - Assignee search
 - Number search
- My session
 - Search history
 - Search results
- Past sessions
 - Previous history
- My searches
 - My saved searches
 - My alerts
- My recent lists

Free text ?

**Ricerca a testo libero in inglese.
Descrivere la tecnologia in inglese o copiare & incollare il
testo da un documento.
Si richiede almeno un paragrafo.**

Describe the technology you want to search in plain english or copy and paste the content from another document. At least a paragraph of text is expected.
Non English text will be sent to a 3rd party for translation

[Custom search wizard](#)

Search Clear

Assignee search

The screenshot displays a search application interface with three main panels:

- Assignee search:** The left sidebar contains a menu with options like 'Easy search', 'Advanced search', 'Semantic search', and 'Assignee search' (highlighted with a red box). The main area shows a search for 'Assignee (original, intermediate, current)' with 'FIAT' as the assignee.
- Assignee Assistant:** A central panel titled 'Assignee Assistant' (highlighted with a red box) provides a 'Keywords' section with 'Assignee: FIAT' and a 'Search again' button. Below it is a 'Results' list with checkboxes for various terms including 'Assignee', 'FIASCO P', 'FIASCO S CONTROLS', 'FIASIL', 'FIASONICS', 'FIAT', 'FIAT A', 'FIAT ALLIS', and others. At the bottom, there are 'Add', 'Replace', and 'Cancel' buttons.
- Corporate Tree:** A right-hand panel titled 'Corporate Tree' (highlighted with a red box) shows '160 results for "FIAT"'. It lists various entities such as 'Association FIAT', 'Associazione Auto Storiche Fiat', 'Banco Fiat SA', 'Bob Frenley Chrysler Jeep Dodge Ram FIAT, Inc.', and many others, each with a checkbox.



Number search

Easy search

Menu Explorer << **Number search**

- Searches
 - Easy search
 - Advanced search
 - Semantic search
 - Assignee search
 - Number search**
- My session
 - Search history
 - Search results
- Past sessions
 - Previous history
- My searches
 - My saved searches
 - My alerts
- My recent lists

Search

Publication number
Publication number
Application number
Priority number
Application or Priority nu...
Any patent number

E.g.:
US5000000
08/123,456
PCT/CCYYYY/999999

Enter separated patent numbers or even a text that includes patent numbers.
No standardization required. Commas, Slashes, Hyphens are accepted.
If no country code is entered, the system will retrieve every matching patent number regardless of patent office.

Display extended family table ?
 Display graph ?
 Search similar patents ?

Search Clear Upload File

Show results

Formato short list
senza preview
ordinati per rilevanza

Easy search

Menu **Filter** Explorer

426 results for ((endoscopic)/TI/AB/IW/CLMS AND (robot?)/TI/AB/IW/CLMS) - Collection: FAMPAT

Filter options

- Legal status
 - Alive (326)
 - Dead (100)
- 1st application year
 - After 2015 (86)
 - 2011-2015 (184)
 - 2006-2010 (89)
 - 2001-2005 (36)
 - Before 2001 (31)
 - More...
- Assignee
 - INTUITIVE SURGICAL (20)
 - PHILIPS (17)
 - ETERNE (14)
 - SHANGHAI JIAO TONG UNIVERSITY (12)
 - OLYMPUS (11)
 - ETHICON (9)
 - SAMSUNG ELECTRONICS (8)
 - SIEMENS (8)
 - SHENZHEN INSTITUTE OF ADVANCED TECHNOLOGY CAS (7)
 - HARBIN INSTITUTE OF TECHNOLOGY (6)
 - More...

#	Title	Publication number	1st app. date	Applicant/Assignee	
1	Robot apparatus for endoscopic surgery	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
2	Robot system for endoscope treatment	WO2010109932	2010-01-14	OLYMPUS MED...	98 %
3	Endoscopic robot	ITMI962188	1996-10-22	SCUOLA SUPE...	98 %
4	Haemostatic cutting tool with multiple degrees of freedom for surgical robots and endoscopic operations	WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
5	Hard-soft switchable endoscopic type minimally invasive surgery robot	CN107349014	2017-06-30	BEIJING UNIVE...	97 %
6	Robot for assisting in nasal endoscopic surgery	CN103919591	2014-04-24	SHENZHEN IN...	97 %
7	Assistive robot endoscopic system with intuitive maneuverability for laparoscopic surgery and method thereof	TW201625173	2015-01-15	NATIONAL TAI...	97 %
8	Endoscopic robot	CN104434008	2014-12-12	THIRD HOSPIT...	97 %
9	Robotic control of an endoscope from blood vessel tree images	WO2012035492	2011-09-13	PHILIPS*, PHILI...	97 %
10	Robot surgery platform for natural orifice transluminal endoscopic surgery	CN204133608	2014-09-28	LIN HUILING;W...	97 %
11	Endoscopic robot	KR101780326	2016-08-24	HWANG GUK H...	97 %
12	Robot operation platform for natural orifice transluminal endoscopic surgery	CN104224324	2014-09-28	PEOPLE S HO...	96 %
13	Multiple-degree-of-freedom hemostatic cutting tool used in surgical robot and endoscopic surgery	CN102106751	2011-01-26	ZHOU NINGXIN	96 %
14	Instrument for a manipulator arm of an endoscopic robot	DE102010040415	2010-09-08	SIEMENS; SIE...	96 %
15	Passive type nasal endoscopic surgery assisting robot	CN104546066	2015-01-22	SHENZHEN IN...	96 %
16	Remote surgical robot system and method for controlling same, for providing indirect surgical feel	KR100997194	2009-08-18	ETERNE; REBO*	96 %
17	Digestive endoscopic robot	CN203647312	2014-01-02	PLA GENERAL ...	96 %
18	Self-propelled endoscopic micro-robot and system for intestinal endoscopy using the same	US20020111535	2001-02-10	KOREA INSTIT...	96 %
19	Endoscopic robot	CN204394451	2014-12-12	THIRD HOSPIT...	96 %
20	Endoscopic robotic surgical tools	US5624398	1996-02-08	SYMBIOSIS*	96 %
21	Surgical robot system using augmented reality, and method for controlling same	WO2010110560	2010-03-22	ETERNE*	96 %
22	Hemostatic cutting tool with multiple degrees of freedom for surgical robot and endoscopic surgery	CN201977927	2011-01-26	ZHOU NINGXIN	95 %
23	Endoscopic surgery robot	JP2004180781	2002-11-29	SCHOOL*	95 %
24	Endoscopic detection robot for pipe with pipe diameter of 114 mm	CN108006367	2017-12-29	SHAANXI LANF...	95 %
25	Human-robot shared control for endoscopic assistant robot	WO2011058530	2010-11-15	PHILIPS; PHILI...	95 %

Page 1 of 3 Record 1 of 426

Displaying records 1 - 200 of 426



Show results

426 results for ((endoscopic)/TI/AB/IW/CLMS AND (robot?)/TI/AB/IW/CLMS) - Collection: FAMPAT

#	Title	Publication number	1st app. date	Applicant/Assignee	100 %
1	Robot apparatus for endoscopic surgery	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
2	Robot system for endoscope treatment	WO2010109932	2010-01-14	OLYMPUS MED...	
3	Endoscopic robot	ITM962188	1996-10-22	SCUOLA SUPE...	
4	Haemostatic cutting tool with multiple degrees of freedom for surgical robots and endoscopic operations	WO2012100413	2011-01-26	ZHOU NINGXIN	
5	Hard-soft switchable endoscopic type minimally invasive surgery robot	CN107349014	2017-06-30	BEIJING UNIVE...	97 %
6	Robot for assisting in nasal endoscopic surgery	CN103919591	2014-04-24	SHENZHEN IN...	97 %
7	Assistive robot endoscopic system with intuitive maneuverability for laparoscopic surgery and method thereof	TW201625173	2015-01-15	NATIONAL TAI...	97 %
8	Endoscopic robot	CN104434008	2014-12-12	THIRD HOSPIT...	97 %
9	Robotic control of an endoscope from blood vessel tree images	WO2012035492	2011-09-13	PHILIPS*, PHIL...	97 %
10	Robot surgery platform for natural orifice transluminal endoscopic surgery	CN204133608	2014-09-28	LIN HUILING;W...	97 %
11	Endoscopic robot	KR101780326	2016-08-24	HWANG GUK H...	97 %
12	Robot operation platform for natural orifice transluminal endoscopic surgery	CN104224324	2014-09-28	PEOPLE S HO...	96 %
13	Multiple-degree-of-freedom hemostatic cutting tool used in surgical robot and endoscopic surgery	CN102106751	2011-01-26	ZHOU NINGXIN	96 %
14	Instrument for a manipulator arm of an endoscopic robot	DE102010040415	2010-09-08	SIEMENS; SIE...	96 %
15	Passive type nasal endoscopic surgery assisting robot	CN104546066	2015-01-22	SHENZHEN IN...	96 %
16	Remote surgical robot system and method for controlling same, for providing indirect surgical feel	KR100997194	2009-08-18	ETERNE; REBO*	96 %
17	Digestive endoscopic robot	CN203647312	2014-01-02	PLA GENERAL ...	96 %
18	Self-propelled endoscopic micro-robot and system for intestinal endoscopy using the same	US20020111535	2001-02-10	KOREA INSTIT...	96 %

Cliccando sul titolo si apre il risultato individuale

List of publications

- Application number 1996IT-MI02188 Date 1996-10-22 Publication date
- ITM962188 A1 - Application for patent o... 1998-04-22
- IT1285533 B1 - Granted patent 1998-06-08
- Application number 1997EP-0830529 Date 1997-10-21
- EP0838200 A2 - Application published w... 1998-04-29
- EP0838200 A3 - Published search report 1999-10-20
- Application number 1997US-08967308 Date 1997-10-21
- US5906591 A - Patents Granted before ... 1999-05-25
- Application number 1997JP-0326885 Date 1997-10-22
- JPH10216076 A - Published application 1998-08-18

Priority Numbers & Dates 1996IT-MI02188 1996-10-22

Abstract

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 avoiding, at the same time, any pushing action against the body cavity walls which

Page 1 of 3 Record 3 of 426 Displaying records 1 - 200 of 426



Show results

Formato risultato individuale

The screenshot shows a patent search results page for 'Endoscopic robot'. The page is divided into several sections:

- Family view - 3 / 426:** A list of patent entries with flags and numbers: ITMI962188 A1, IT1285533 B1, EP0838200 A2, EP0838200 A3, US5906591 A, and JPH10216076 A.
- Abstract (EP-838200):** A detailed description of the invention, mentioning an endoscopic robot with a variable length segment and aspiration means.
- List of publications:** A table listing various patent applications and publications, including application numbers, dates, and publication dates. A red box highlights the 'Registro nazionale' (National Register) link next to the EP0838200 A2 entry.
- Description (EP-838200):** A detailed description of the invention, including its purpose and the challenges it addresses. A red box highlights the 'Documento originale pdf' (Original document pdf) link next to the EP0838200 A2 entry.
- Inventor:** DARIO PAOLO, CARROZZA MARIA CHIARA, PIETRABISSA ANDREA, MAGNANI BERNARDO, LENCIONI LUCIA.
- Assignee:** SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT'ANNA*, SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI

At the bottom of the page, it indicates 'Record 3 of 426' and 'Displaying records 1 - 200 of 426'.

Registro nazionale

Documento originale pdf

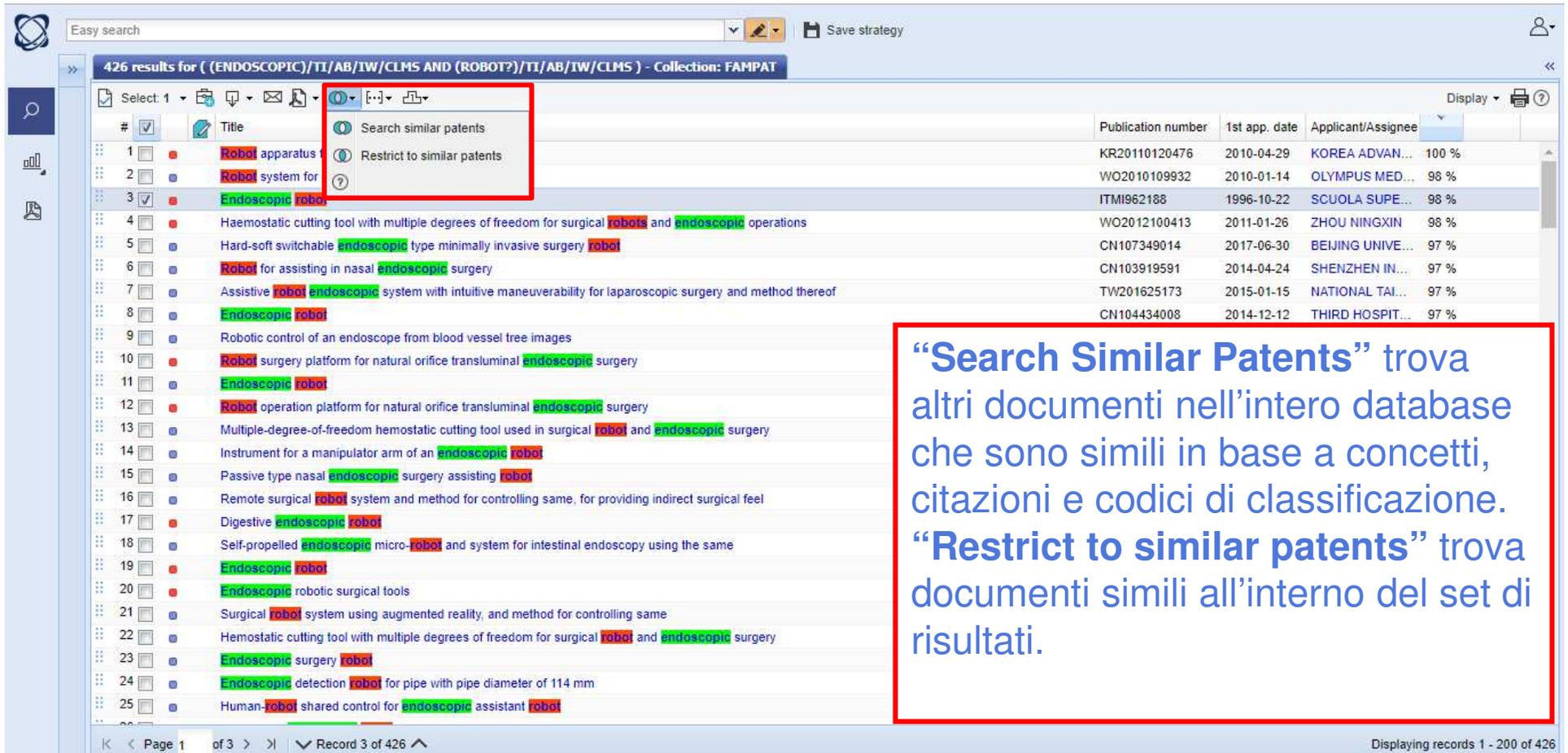
Select results

The screenshot shows a search results page with 426 results. A 'Select' menu is open, showing options: 'All records', 'Current page', 'None', and 'Range'. A red box highlights the text 'Per proseguire selezionare i risultati' overlaid on the search results table.

	Publication number	1st app. date	Applicant/Assignee	
5	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
6	WO2010109932	2010-01-14	OLYMPUS MED...	98 %
7	ITMI962188	1996-10-22	SCUOLA SUPE...	98 %
8	WO2012100412	2011-01-26	ZHOU NINGXIN	98 %
9	WO2012035492	2011-09-13	PHILIPS*, PHILI...	97 %
10	CN204133608	2014-09-28	LIN HUILING/W...	97 %
11	KR101780326	2016-08-24	HWANG GUK H...	97 %
12	CN104224324	2014-09-28	PEOPLE S HO...	96 %
13	CN102106751	2011-01-26	ZHOU NINGXIN	96 %
14	DE102010040415	2010-09-08	SIEMENS, SIE...	96 %
15	CN104546066	2015-01-22	SHENZHEN IN...	96 %
16	KR100997194	2009-08-18	ETERNE; REBO*	96 %
17	CN203647312	2014-01-02	PLA GENERAL ...	96 %
18	US20020111535	2001-02-10	KOREA INSTIT...	96 %
19	CN204394451	2014-12-12	THIRD HOSPIT...	96 %
20	US5624398	1996-02-08	SYMBIOSIS*	96 %
21	WO2010110560	2010-03-22	ETERNE*	96 %
22	CN201977927	2011-01-26	ZHOU NINGXIN	95 %
23	JP2004180781	2002-11-29	SCHOOL*	95 %
24	CN108006367	2017-12-29	SHAANXI LANF...	95 %
25	WO2011058530	2010-11-15	PHILIPS; PHILI...	95 %



Search similar patents



The screenshot displays a patent search interface with the following details:

- Search Query:** 426 results for ((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS) - Collection: FAMPAT
- Context Menu:** A red box highlights a menu with two options: "Search similar patents" and "Restrict to similar patents".
- Table of Results:**

#	Title	Publication number	1st app. date	Applicant/Assignee	Similarity %
1	Robot apparatus	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
2	Robot system for	WO2010109932	2010-01-14	OLYMPUS MED...	98 %
3	Endoscopic robo	ITM1962188	1996-10-22	SCUOLA SUPE...	98 %
4	Haemostatic cutting tool with multiple degrees of freedom for surgical robots and endoscopic operations	WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
5	Hard-soft switchable endoscopic type minimally invasive surgery robot	CN107349014	2017-06-30	BEIJING UNIVE...	97 %
6	Robot for assisting in nasal endoscopic surgery	CN103919591	2014-04-24	SHENZHEN IN...	97 %
7	Assistive robot endoscopic system with intuitive maneuverability for laparoscopic surgery and method thereof	TW201625173	2015-01-15	NATIONAL TAI...	97 %
8	Endoscopic robot	CN104434008	2014-12-12	THIRD HOSPIT...	97 %

Page 1 of 3 | Record 3 of 426 | Displaying records 1 - 200 of 426

“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

The screenshot displays a search results page with 426 results. An 'Export options' dialog box is open, showing various export formats: XLSX, PDF, RTF, TXT, CSV, and XML. The 'Data' section includes 'Available fields' (Numbers, Dates) and 'Selected fields' (First page like). The 'Format' section shows icons for XLSX, PDF, RTF, TXT, CSV, and XML. The 'Data' section includes a 'Profiles' dropdown set to 'First page', 'Available fields' (Numbers, Dates), and 'Selected fields' (First page like). The 'Filter on category / field name / field code' and 'Advanced options' are also visible.

426 results for ((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS) - Collection: FAMPAT

Export options

Format

XLSX PDF RTF TXT CSV XML

Data

Profiles First page

Available fields

Numbers

Priority

Application

Publication

Family

Dates

Priority

Application

Publication

Selected fields

First page like

Filter on category / field name / field code

Filter...

Advanced options

Download Email 1 - 200 of 426

Patent copies

The screenshot displays a patent search interface with a search results table and a 'Patent copies' dialog box. The search results table has columns for 'Publication number', '1st app. date', 'Applicant/Assignee', and a percentage. The 'Patent copies' dialog box is open, showing 'Order options' and 'Delivery Type' sections.

Publication number	1st app. date	Applicant/Assignee	Percentage
KR20110120476	2010-04-29	KOREA ADVAN...	100 %
WO2010109932	2010-01-14	OLYMPUS MED...	98 %
ITM1962188	1996-10-22	SCUOLA SUPE...	98 %
WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
CN107349014	2017-06-30	BEIJING UNIVE...	97 %
CN103919591	2014-04-24	SHENZHEN IN...	97 %
TW201625173	2015-01-15	NATIONAL TAI...	97 %
CN104434008	2014-12-12	THIRD HOSPIT...	97 %
WO2012035492	2011-09-13	PHILIPS*, PHILI...	97 %
CN204133608	2014-09-28	LIN HUILING-W...	97 %
KR101780326	2016-08-24	HWANG GUK H...	97 %
CN104224324	2014-09-28	PEOPLE S HO...	96 %
CN102106751	2011-01-26	ZHOU NINGXIN	96 %
DE102010040415	2010-09-08	SIEMENS, SIE...	96 %
CN104546066	2015-01-22	SHENZHEN IN...	96 %
KR100997194	2009-08-18	ETERNE; REBO*	96 %
CN203647312	2014-01-02	PLA GENERAL ...	96 %
US20020111535	2001-02-10	KOREA INSTIT...	96 %
CN204394451	2014-12-12	THIRD HOSPIT...	96 %
US5624398	1996-02-08	SYMBIOSIS*	96 %
WO2010110560	2010-03-22	ETERNE*	96 %
CN201977927	2011-01-26	ZHOU NINGXIN	95 %
JP2004180781	2002-11-29	SCHOOL*	95 %
CN108006367	2017-12-29	SHAANXI LANF...	95 %
WO2011058530	2010-11-15	PHILIPS; PHILI...	95 %

Patent copies
Order options
Select document(s) and patent format.

Order

- Representative member only
- All stages of the representative member
- Entire family

Patent format (full, first page or draw)

- Full pdf
- First page
- Drawings mosaic

Delivery Type

- Add to Portfolio
- Email

Save and Order Cancel



Lists

The screenshot shows a search interface with a list of 426 results. The results are displayed in a table with columns for selection, title, and other details. Two dialog boxes are overlaid on the results:

- Portfolio wizard:** A dialog box with a "Duplicate" button and options for "New directory" and "New list".
- Create list:** A dialog box with fields for "Name" (containing "ENDOSCOPIC ROBOT"), "Desc.", and "Sort key".

The text in the red box explains the process:

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

Lists

The screenshot displays a search interface with a list of 426 results for the query '(ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS'. The interface includes a search bar, a navigation menu, and a list of results with columns for publication number, date, applicant, and percentage. A text overlay in the center reads: 'Le liste sono visualizzabili in Explorer e le ultime utilizzate in My recent list'. Red boxes highlight the 'Explorer' menu item and the 'ENDOSCOPIC ROBOT (426)' entry in the 'My recent lists' section.

Publication number	1st app. date	Applicant/Assignee	Percentage
KR20110120476	2010-04-29	KOREA ADVAN...	100 %
WO2010109932	2010-01-14	OLYMPUS MED...	98 %
ITM1962188	1996-10-22	SCUOLA SUPE...	98 %
WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
CN107349014	2017-06-30	BEIJING UNIVE...	97 %
CN103919591	2014-04-24	SHENZHEN IN...	97 %
TW201625173	2015-01-15	NATIONAL TAI...	97 %
CN104434008	2014-12-12	THIRD HOSPIT...	97 %
WO2012035492	2011-09-13	PHILIPS*, PHILI...	97 %
CN204133608	2014-09-28	LIN HUILING,W...	97 %
KR101780326	2016-08-24	HWANG GUK H...	97 %
CN104224324	2014-09-28	PEOPLE S HO...	96 %
CN102106751	2011-01-26	ZHOU NINGXIN	96 %
DE102010040415	2010-09-08	SIEMENS; SIE...	96 %
CN104546066	2015-01-22	SHENZHEN IN...	96 %
KR100997194	2009-08-18	ETERNE; REBO*	96 %
CN203647312	2014-01-02	PLA GENERAL ...	96 %
US20020111535	2001-02-10	KOREA INSTIT...	96 %
CN204394451	2014-12-12	THIRD HOSPIT...	96 %
US5624398	1996-02-08	SYMBIOSIS*	96 %
WO2010110560	2010-03-22	ETERNE*	96 %
CN201977927	2011-01-26	ZHOU NINGXIN	95 %
JP2004180781	2002-11-29	SCHOOL*	95 %
CN108006367	2017-12-29	SHAANXI LANF...	95 %
WO2011058530	2010-11-15	PHILIPS; PHILL...	95 %

Cited and Citing patents

426 results for ((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS) - Collection: FAMPAT

#	Title	Publication number	1st app. date	Applicant/Assignee	
1	Robot apparatus for endoscopy	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
2	Robot system for endoscopy	WO2010109932	2010-01-14	OLYMPUS MED...	98 %
3	Endoscopic robot	ITM1962188	1996-10-22	SCUOLA SUPE...	98 %
4	Haemostatic cutting tool with multiple degrees of freedom for endoscopic operations	WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
5	Hard-soft switchable endoscopic type minimally invasive surgery robot	CN107349014	2017-06-30	BEIJING UNIVE...	97 %
6	Robot for assisting in nasal endoscopic surgery	CN103919591	2014-04-24	SHENZHEN IN...	97 %
7	Assistive robot endoscopic system with intuitive maneuverability for laparoscopic surgery and method thereof	TW201625173	2015-01-15	NATIONAL TAI...	97 %
8	Endoscopic robot	CN104434008	2014-12-12	THIRD HOSPIT...	97 %
9	Robotic control of an endoscope from blood vessel tree images	WO2012035492	2011-09-13	PHILIPS*, PHILI...	97 %
10	Robot surgery platform for natural orifice transluminal endoscopic surgery	CN204133608	2014-09-28	LIN HUILING;W...	97 %
11	Endoscopic robot	KR101780326	2016-08-24	HWANG GUK H...	97 %
12	Robot operation platform for natural orifice transluminal endoscopic surgery	CN104224324	2014-09-28	PEOPLE S HO...	96 %
13	Multiple-degree-of-freedom hemostatic cutting tool used in surgical robot and endoscopic surgery	CN102106751	2011-01-26	ZHOU NINGXIN	96 %
14	Instrument for a manipulator arm of an endoscopic robot	DE102010040415	2010-09-08	SIEMENS, SIE...	96 %
15	Passive type nasal endoscopic surgery assisting robot	CN104546066	2015-01-22	SHENZHEN IN...	96 %
16	Remote surgical robot system and method for controlling same, for providing indirect surgical feel	KR100997194	2009-08-18	ETERNE; REBO*	96 %
17	Digestive endoscopic robot	CN203647312	2014-01-02	PLA GENERAL ...	96 %
18	Self-propelled endoscopic micro-robot and system for intestinal endoscopy using the same	US20020111535	2001-02-10	KOREA INSTIT...	96 %
19	Endoscopic robot	CN204394451	2014-12-12	THIRD HOSPIT...	96 %
20	Endoscopic robotic surgical tools	US5624398	1996-02-08	SYMBIOSIS*	96 %
21	Surgical robot system using augmented reality, and method for controlling same	WO2010110560	2010-03-22	ETERNE*	96 %
22	Hemostatic cutting tool with multiple degrees of freedom for surgical robot and endoscopic surgery	CN201977927	2011-01-26	ZHOU NINGXIN	95 %
23	Endoscopic surgery robot	JP2004180781	2002-11-29	SCHOOL*	95 %
24	Endoscopic detection robot for pipe with pipe diameter of 114 mm	CN108006367	2017-12-29	SHAANXI LANF...	95 %
25	Human-robot shared control for endoscopic assistant robot	WO2011058530	2010-11-15	PHILIPS, PHILI...	95 %

Search history

The screenshot displays a patent search interface. At the top, a blue bar contains the text "Salvare strategia ricerca" (Save search strategy) in white, which is highlighted with a red box. Below this, the interface shows a table of search results and a sidebar menu. The sidebar menu has "Search history" highlighted with a red box. The table below shows three search steps with columns for Search Step, Result(s), Query, Assistant, Source, and Action. The "Save" button in the Action column of the first row is also highlighted with a red box.

Search Step	Result(s)	Query	Assistant	Source	Action
3	1	1 AND 2	Search history	FAMPAT	Show results Modify Save Delete
2	426	((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS)	Advanced search	FAMPAT	Show results Modify Save Delete
1	134	SCUOLA S SUPERIORE S SANT_ANNA/PA	Advanced search	FAMPAT	Show results Modify Save Delete

Combine strategies, E.g.: (1 or 2) not 3, 1 and (phone+)

1 AND 2

Search

Saved searches

Menu Explorer

My saved searches

Name	Collection	Creation Date	Actions
POLITO_WO2016128864_TOPCITED	FAMPAT	2018/09/02	Execute / Edit / Delete
POLITO_WO2018073847_ECGWATCH	FAMPAT	2018/08/10	Execute / Edit / Delete
POLITO_WO2018073847_TOP3ASSIGN	FAMPAT	2018/08/10	Execute / Edit / Delete
POLITO_WO2018073847_TOPCITED	FAMPAT	2018/08/10	Execute / Edit / Delete
POLITO_WO201851376_TOP3ASSIGNE	FAMPAT	2018/09/02	Execute / Edit / Delete
POLITO_WO201851376_TOPCITED	FAMPAT	2018/09/02	Execute / Edit / Delete
POLITO_WO201851376_WASTEWATER	FAMPAT	2018/09/02	Execute / Edit / Delete
POLITO_WO201860808_DEICING	FAMPAT	2018/09/02	Execute / Edit / Delete
POLITO_WO201860808_TOP3ASSIGNE	FAMPAT	2018/08/08	Execute / Edit / Delete
POLITO_WO201860808_TOPCITED	FAMPAT	2018/08/06	Execute / Edit / Delete
SANTANNA_WO2016207855_MUSCLE_1	FAMPAT	2018/12/21	Execute / Edit / Delete
SANTANNA_WO2016207855_MUSCLE_2	FAMPAT	2018/12/21	Execute / Edit / Delete
SCUOLA SANT'ANNA	FAMPAT	2019/02/28	Execute / Edit / Delete
TOSCANA	FAMPAT	2018/12/02	Execute / Edit / Delete
UNIBO_NONUMBER_WETSCRUBBER	FAMPAT	2018/11/21	Execute / Edit / Delete
UNIBO_US20170269097_QUANTUM	FAMPAT	2018/11/10	Execute / Edit / Delete
UNICALABRIA_US9468377_RETIN	FAMPAT	2018/11/28	Execute / Edit / Delete
UNICALABRIA_US9468377_RETINAL	FAMPAT	2018/11/23	Execute / Edit / Delete
UNIMORE_WO2018172958_VITPAR	FAMPAT	2018/12/22	Execute / Edit / Delete
UNISIENA_EP1848456_ANTITUMOR	FAMPAT	2018/10/27	Execute / Edit / Delete
UNITORVERGATA1	FAMPAT	2018/11/06	Execute / Edit / Delete
UNITORVERGATA2	FAMPAT	2018/11/08	Execute / Edit / Delete

Page 1 of 1

Displaying 1 - 39 of 39

Analisi



Network per la valorizzazione
della ricerca

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	-	-	•	-
	M&A Licensing-in	-	-	•	-
RISK ASSESSMENT	Business Case Assessment	-	-	•	-
	Legal Risk Assessment	-	-	•	-
	Ability to Exclude	-	-	•	-
PORTFOLIO MANAGEMENT	Portfolio Pruning	-	-	•	-
	Licensable Art Licensing-out	-	-	•	-
LICENSING					

Select results

134 results for SCUOLA S SUPERIORE S SANT'ANNA/PA - Collection: FAMPAT

#	Title	Publication number	1st app. date	Applicant/Assignee
1	Joint for transmitting a torsional load with elastic response	ITUA20164465	2016-06-17	SCUOLA SUPE...
2	Kinematic chain for transmission of mechanical torques	ITUA20164364	2016-06-14	IUVV*, SANTA ...
3	Systeme de stimulation par ultrasons d'un echantillon in vitro	ITUA20163677	2016-05-23	SCUOLA SUPE...
4	A robotic device for verticalization and aiding the motion of subjects with severe motor disabilities	ITUA20163483	2016-05-16	INAIL ISTITUTO...
5	Exoskeleton device for the hand	WO2017145136	2017-02-27	SCUOLA SUPE...
6	An artificial bladder, and a process for its manufacture	WO2017145130	2017-02-27	SCUOLA SUPE...
7	Artificial bladder	WO2017145128	2017-02-27	SCUOLA SUPE...
8	Encapsulated transducer for haptic interfaces	WO2017122159	2017-01-13	CONSIGLIO NA...
9	Mechanical joint with selectable transmission mode	ITUB20156881	2015-12-10	SCUOLA SUPE...
10	Mechanical joint with variable impedance	ITUB20156899	2015-12-10	SCUOLA SUPE...
11	System for monitoring the condition of tyres	ITUB20156068	2015-12-02	SCUOLA SUPE...
12	Sensorized coating for detection of pressures	ITUB20153909	2015-09-25	SCUOLA SUPE...
13	Pneumatic device for actuating organs	WO2016207855	2016-06-24	FOUNDATION ...
14	Ergonomic exoskeleton system for the upper limb	WO2016186652	2016-04-11	AZIENDA OSP...
15	Actuation system for hip orthosis	CA2971671	2016-02-08	SCUOLA SUPE...
16	Optical interconnection methods and systems exploiting mode multiplexing	US20160094308	2015-09-29	ROYAL INSTIT...
17	A haptic feedback device	WO2015193856	2015-06-19	SCUOLA SUPE...
18	Bidirectional limb neuro-prosthesis	WO2015097623	2014-12-19	ECOLE POLYT...
19	Polarisation-independent coherent optical receiver	ITTO20130973	2013-11-29	ERICSSON*, S...
20	Sistema per il monitoraggio del canco agente su un impianto protesico.	ITPI20130089	2013-10-16	SCUOLA SUPE...
21	Apparatus for performing pectus excavatum repair	ITPI20130090	2013-10-16	SCUOLA SUPE...
22	Torsional transmission element with elastic response	ITFI20130156	2013-07-01	SCUOLA SUPE...
23	Recipiente di reazione e relativo metodo di utilizzo	ITPI20130058	2013-06-21	SCUOLA SUPE...
24	Struttura di campionatore per analisi chimiche multiple	ITPI20130056	2013-06-20	SCUOLA SUPE...
25	Metodo per trasmettere sensazioni tattili ad un utente e apparecchiatura che attua tale metodo	ITPI20130028	2013-04-12	SCUOLA SUPE...
26	Dispositivo per la smussatura di travi.	ITPI20130022	2013-03-29	SCUOLA SUPE...
27	Method and device for making fingerprints associated to artificial fingers	ITPI20130023	2013-03-29	SCUOLA SUPE...
28	Wearable apparatus for the diagnosis and treatment of sexual dysfunctions	ITFI20130061	2013-03-22	SCUOLA SUPE...
29	A miniature robotic device applicable to a flexible endoscope for the surgical dissection of gastro-intestinal tract surface neoplasms	ITFI20130055	2013-03-18	SCUOLA SUPE...
30	Method and related apparatus for monitoring biomechanical performances of human limbs	ITO2014108883	2014-01-14	AZIENDA USL ...
31	Methods and devices for space-time multi-plane optical networks	SZ0130330076	2013-06-10	ROYAL INSTIT...
32	Robotic device for assisting human force	PI20130005	2013-01-28	SCUOLA SUPE...
33	Modulo sensorizzato per la rilevazione di dati di posizione e di movimento.	PI20130003	2013-01-14	AZIENDA USL ...
34	Dispositivo per la rilevazione della posizione e del movimento di un arto umano.	PI20130002	2013-01-14	AZIENDA USL ...
35	Dispositivo ottico	RA20130001	2013-01-08	SCUOLA SUPE...
36	A three-dimensional dispersible nanosensor structure for biological, medical and en...	TO20130001	2013-01-02	CONSIGLIO NA...
37	Wearable exoskeleton device for hand rehabilitation	ITPI20120011	2012-08-28	SCUOLA SUPE...
38	Dispositivo di visione attraverso il sangue	ITFI20120157	2012-06-25	SCUOLA SUPE...
39	Dispositivo di acquisizione video a punti di vista multipli per chirurgia mini-invasiva	ITFI20120133	2012-06-25	SCUOLA SUPE...
40	Metodo per la localizzazione di dispositivi guidati magneticamente e relativo dispositivo magnetico.	ITPI20120071	2012-06-22	SCUOLA SUPE...
41	Dispositivo per l'ancoraggio di unita' robotiche	ITFI20120132	2012-06-22	SCUOLA SUPE...

Per iniziare l'analisi, selezionare i risultati e cliccare l'icona

Key facts



Recommended visualizations

The screenshot displays a software interface with a top navigation bar labeled "Key facts" and "Single view". A search icon and a "Charts" menu are visible. A "Recommended visualizations" panel is open, showing a grid of 11 visualization options. The "Charts" menu and the "Recommended visualizations" panel title are highlighted with red boxes. The visualizations include:

- Key players
- Key players by legal status
- Investment trend
- Investment trend for key players
- Markets & competitors location
- Technology overview
- Key players by technical domain
- Key inventors
- Technologies & applications
- Key inventions by players
- Players dependency by citations

11 visualizations

All visualizations

The screenshot displays a software interface with a top navigation bar containing 'Presentation', 'Data rules', 'Open saved analysis', and 'Save analysis' buttons. Below this, a 'Key facts' section is visible with a 'Single view' tab. A 'Charts' menu item is highlighted with a red box. Below the 'Charts' menu, a 'Recommended visualizations' section is shown, with the 'All visualizations' option highlighted by a red box. Underneath, a list of visualization categories is displayed, including 'By year', 'By assignee', 'By inventor', 'By country', 'By technology', and 'By legal status'.

By year

The screenshot displays a software interface for data analysis. At the top, there are navigation options: 'Presentation', 'Data rules', and 'Open saved analysis'. Below this, the 'Key facts' section is active, showing a 'Single view' of 'Charts'. A sidebar on the left contains icons for search, charts, and reports. The main area is titled 'All visualizations' and features a list of visualization options. The option 'By year' is highlighted with a red rectangular box. Below this list, three bar charts are shown, each representing a different metric: '1st application year', '1st publication year', and '1st priority year'. Each chart displays a series of bars in blue and green, indicating data points over time. At the bottom left of the interface, there is a list of expandable categories: 'By assignee', 'By inventor', 'By country', 'By technology', and 'By legal status'.

By assignee

The screenshot shows a software interface for data visualization. At the top, there are navigation options: 'Presentation', 'Data rules', and 'Open saved analysis'. Below this, the 'Key facts' section is visible, along with a 'Charts' search bar. The main area is titled 'All visualizations' and contains a grid of 12 visualization thumbnails. A red box highlights the 'By assignee' option in the left sidebar. The thumbnails include: 'Assignee' (horizontal bar chart), 'Assignee age by portfolio size' (line chart with triangles), 'Assignee by year' (horizontal bar chart with dots), 'Assignee by country' (heatmap), 'Technology domain by assignee' (horizontal bar chart with dots), 'Assignee by legal status' (horizontal bar chart with stacked bars), 'Key inventions by players' (horizontal bar chart with stacked bars), 'Inter assignee citations' (network graph), 'Assignee collaborations' (network graph), 'Assignee citations' (horizontal bar chart), 'Assignee acceleration' (horizontal bar chart), and 'Representative' (horizontal bar chart).

By inventor

Key facts Single view

Charts

Recommended visualizations **All visualizations** X

All visualizations

- ▷ By year
- ▷ By assignee
- ▣ By inventor**

Inventor

Inventor age by portfolio size

Inventor by year

Inventor by country

Inventor by technology

Inventor by legal status

Inventor by key inventions

Co-inventorship

Inventor citations

Inventor acceleration

By country

Presentation ▾ Data rules ▾ Open saved analysis

Key facts Single view

Charts

Recommended visualizations All visualizations ×

All visualizations

- 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

The screenshot shows a software interface with a top navigation bar containing 'Key facts', 'Single view', 'Presentation', 'Data rules', and 'Open saved analysis'. Below this is a 'Charts' section with a search icon and a 'Recommended visualizations' tab. The 'All visualizations' tab is active, displaying a grid of visualization options. On the left, a sidebar lists categories: 'By assignee', 'By inventor', 'By country', and 'By technology' (highlighted with a red box). The grid contains ten visualization thumbnails with labels: 'Technology domain', 'Sub technical domains', 'Technology domain by assignee', 'IPC clusters', 'Concepts by assignee', 'Concept citations', 'CPC subclass', 'CPC by assignee', 'IPC citations', and 'Top cited patent families'.

By legal status

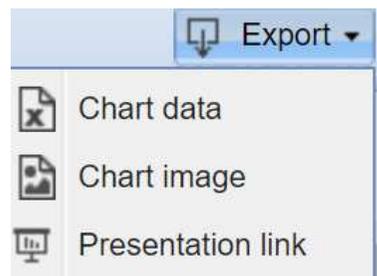
The screenshot shows a software interface for data visualization. At the top, there are navigation options: 'Presentation', 'Data rules', and 'Open saved analysis'. Below this, the main area is titled 'Key facts' and 'Single view'. A sidebar on the left contains icons for search, charts, and a document. The main content area is divided into 'Recommended visualizations' and 'All visualizations'. Under 'All visualizations', a list of categories is shown: 'By year', 'By assignee', 'By inventor', 'By country', 'By technology', and 'By legal status'. The 'By legal status' option is highlighted with a red box. Below the list, six visualization thumbnails are displayed: 'Legal state' (pie chart), 'Legal status' (pie chart), 'Litigation countries' (horizontal bar chart), 'Opposition countries' (horizontal bar chart), 'Licensed patents' (pie chart), and 'Standard essential patents' (pie chart).

Tipi grafici e export

Tipi grafici



Export



Save analysis

The screenshot displays a software interface with a 'Saving analysis' dialog box in the foreground. The dialog box contains the following fields and buttons:

- Save the current analysis** (button, highlighted with a red box)
- Analysis name:** SANTANNA
- Analysis description:** (empty text area)
- Location:** Inbox (with a **Change folder** button)
- Ok** and **Cancel** buttons

The background interface shows a dashboard with the following elements:

- Key facts:** 134 patented inventions, 93% owned by top 10 players.
- Charts:** A line chart showing data points over time.
- Top 8 technical domains:** A bar chart showing the following data:

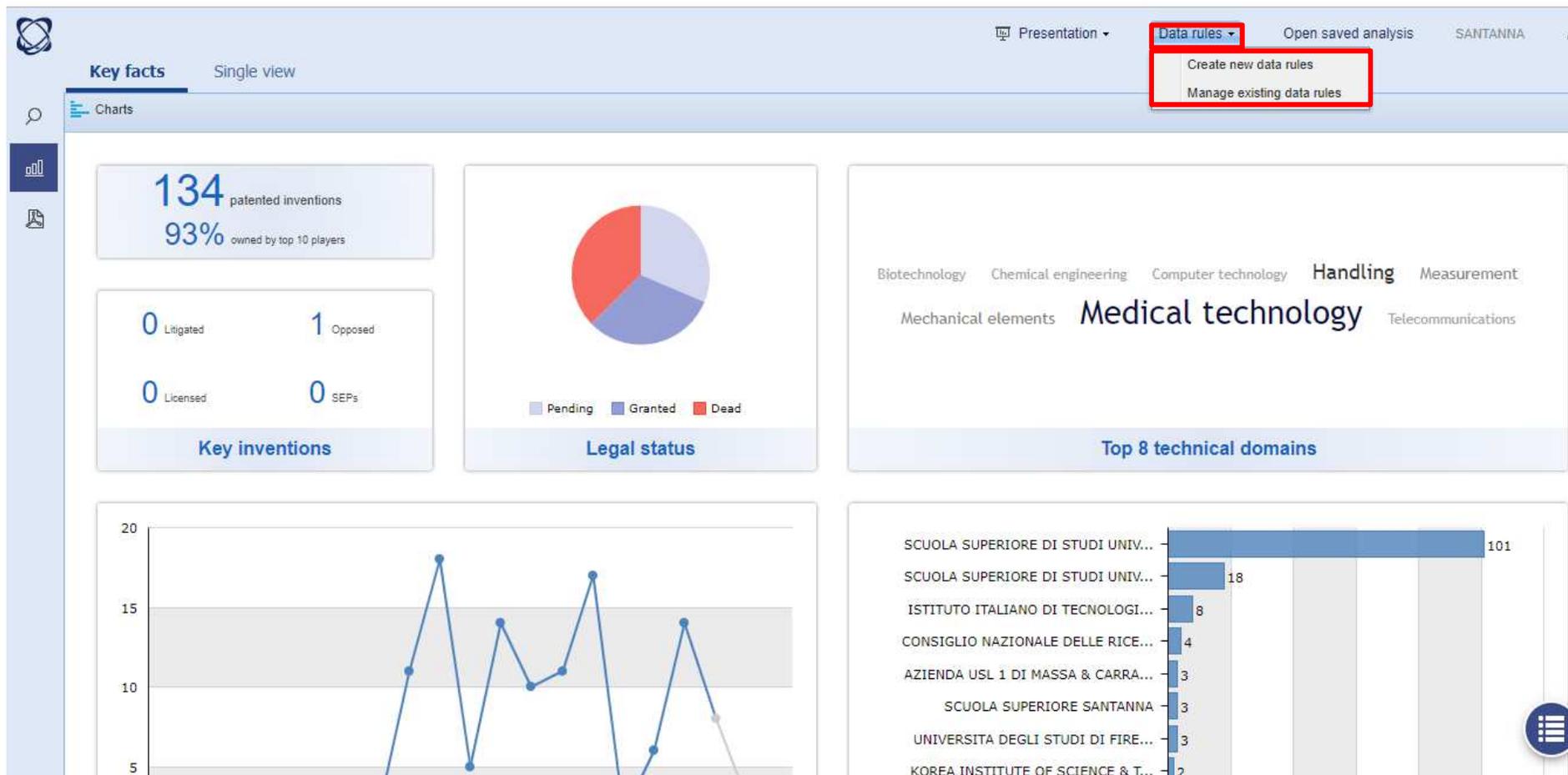
Technical Domain	Count
DI STUDI UNIV...	101
DI STUDI UNIV...	18
DI TECNOLOGI...	8
CONSIGLIO NAZIONALE DELLE RICE...	4
AZIENDA USL 1 DI MASSA & CARRA...	3
SCUOLA SUPERIORE SANTANNA	3
UNIVERSITA DEGLI STUDI DI FIRE...	3
KOREA INSTITUTE OF SCIENCE & T...	2

Saved analysis

The screenshot shows a software interface with a left sidebar labeled 'Explorer' and a main window titled 'Saved analysis'. The 'Saved analysis' window contains a table with the following data:

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_NONNUMBER_7_PU...	SEMICONDUCTOR DETE...	2019-01-10	Inbox	68	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_7_PR...	SEMICONDUCTOR DETE...	2019-01-10	Inbox	33	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_6	SEMICONDUCTOR DETE...	2019-01-10	Inbox	6861	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_5	SEMICONDUCTOR DETE...	2019-01-10	Inbox	7558	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_4	SEMICONDUCTOR DETE...	2019-01-10	Inbox	674	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_3	SEMICONDUCTOR DETE...	2019-01-10	Inbox	529	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_2	SEMICONDUCTOR DETE...	2019-01-10	Inbox	1772	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_1	SEMICONDUCTOR DETE...	2019-01-10	Inbox	630	Patent families (FamPat)	View / Rename / Delete
INFN_NONNUMBER_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
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-25	Inbox	1663	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-25	Inbox	27	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-24	Inbox	3317	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-24	Inbox	5221	Patent families (FamPat)	View / Rename / Delete
UNIMORE_WO20181729...	VITAL PARAMETERS	2018-12-24	Inbox	2874	Patent families (FamPat)	View / Rename / Delete
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)



Settings - Customize



Publication year - Results



Orbit Express



Network per la valorizzazione
della ricerca

Orbit Express

- Copertura dati
- Maschere di ricerca
- Visualizzazione risultati
- Ricerca similarità
- Grafici
- Allerte automatiche
- Esportare / Salvare / Condividere



Help

Easy Search

Advanced search

+ Add criterion

Search

p Manual 2_3_X_EN.pdf

1 / 19

ORBIT EXPRESS

HELP MANUAL V 2.3.X

OVERVIEW

Orbit Express is a web application dedicated to non-information professionals such as searchers, scientists, managers, who want to search and quickly analyze patents on their own. Orbit Express can exchange information with Orbit Intelligence thanks to shared directories. Exports and Alerts are also available on this application.

TOP MENU

These icons will appear at the top of each page.

OR	Finds records containing at least one of the words (in the case of a FamPat record, at least one of the members will have one or more of your terms)	sulfur or sulphur
AND	All words	plutonium AND isotope
NOT	The first term without the second term	suv NOT vesicle
F	The terms in the same field	sodium f chlorine
S	The terms in the same sentence	sodium s chlorine
P	The terms in the same paragraph	sodium p chlorine
D	The terms adjacent in any order	redundancy d check
nD	The terms adjacent, regardless of the order, separated by a maximum of n words (n value between 1 and 99)	conduct 2d electric 2d adhesive
=nD	The terms adjacent, regardless of the order, separated by exactly n words (n value	electric+ =2d conduct+ =2d adhesive

Questel Academy A place to learn about IP

Start your free class now!

Copertura dati

- **Un singolo risultato raggruppa tutti gli stadi di pubblicazione dei membri della famiglia**
- **Informazioni bibliografiche: oltre 100 paesi**
- **Documenti originali pdf: 40 paesi**

Maschere ricerca

- Easy search
- Advanced search
- Semantic search

Easy search

The screenshot shows the Orbit Express search interface. The browser address bar displays <https://express.orbit.com/#/search>. The navigation bar includes the Orbit Express logo, a search icon, 'My Projects', and 'Alerts'. Below the navigation bar, three search options are visible: 'Easy Search' (selected), 'Advanced search', and 'Semantic search'. A search input field contains the text 'ENDOSCOPIC ROBOT', which is highlighted with a red box. A 'Search' button is located below the input field. A 'Help' link is visible to the right of the input field. At the bottom of the interface, there is a promotional banner for 'Questel Academy' with a button that says 'Start your free class now!'.

**Digitare la strategia di ricerca
con o senza troncature e operatori**

Advanced search – Fields

The screenshot displays the Orbit Express search interface. At the top, there is a navigation bar with the Orbit Express logo, a search icon, 'My Projects', and 'Alerts'. Below this, three search modes are available: 'Easy Search', 'Advanced search' (which is selected), and 'Semantic search'. The 'Advanced search' section features a dropdown menu currently set to 'Text'. A red box highlights this dropdown menu, which lists the following search fields: 'Text', 'Select your option', 'Classification', 'Assignee', 'Inventor', 'Representative', 'Number', 'Date', 'Publication country', and 'Legal event'. To the right of the dropdown is a text input field containing the example text 'E.g : keyboard, 'helmet',...' and a 'Delete' button. Below the search fields is a large blue 'Search' button.

Advanced search – Search text

Orbit Express | Search | My Projects | Alerts

Easy Search | **Advanced search** | Semantic search

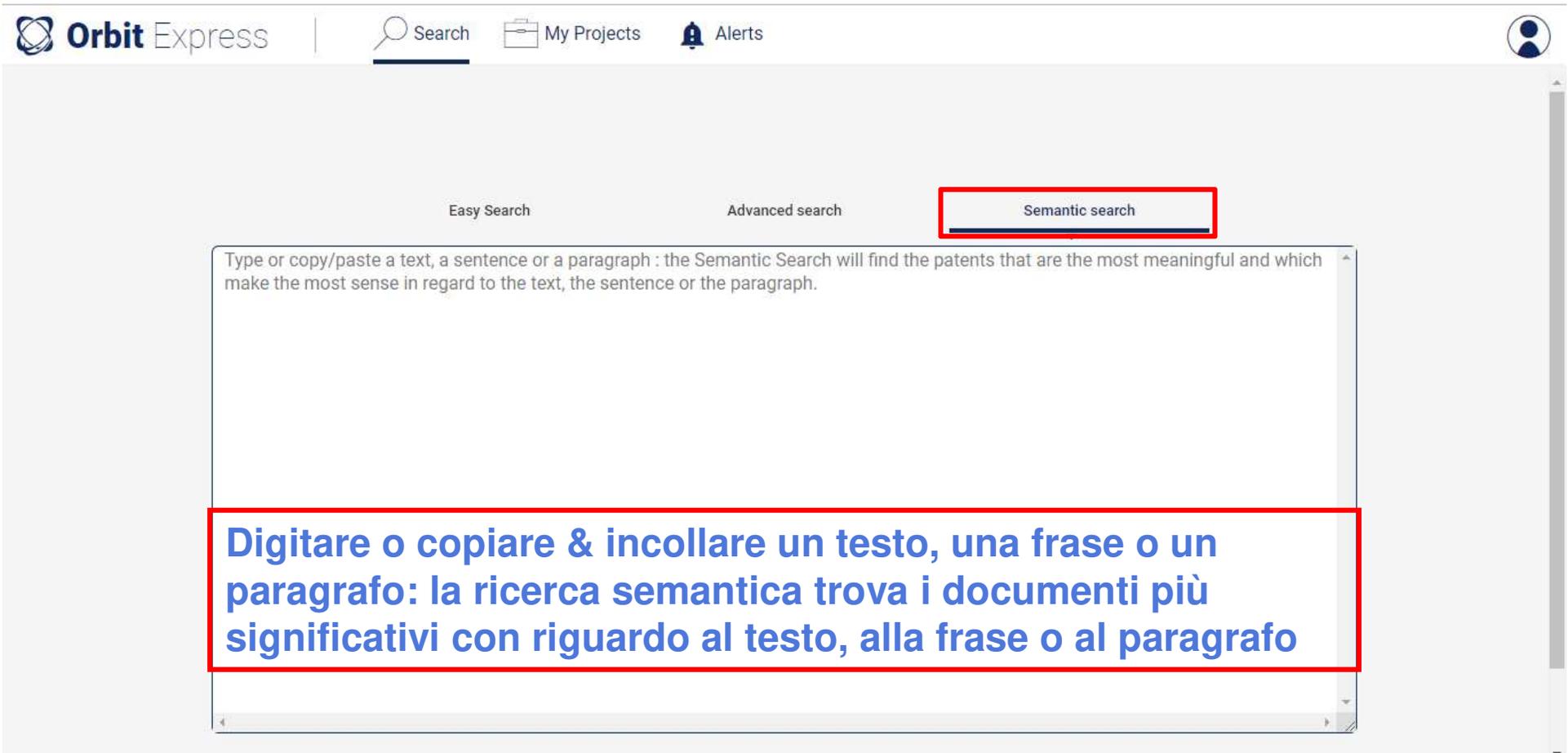
Text | Select your option | Endoscopic Robot | Delete

Choose

- Title
- Abstract
- Claims
- Description
- Object of invention
- Advantages over prior art drawbacks
- Independent claims
- Concepts
- Full text

Ok

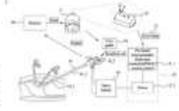
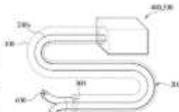
Semantic search



The screenshot shows the Orbit Express web interface. At the top, there is a navigation bar with the Orbit Express logo, a search icon, and links for 'Search', 'My Projects', and 'Alerts'. Below the navigation bar, there are three tabs: 'Easy Search', 'Advanced search', and 'Semantic search'. The 'Semantic search' tab is highlighted with a red border. Below the tabs, there is a text input field with the following text: 'Type or copy/paste a text, a sentence or a paragraph : the Semantic Search will find the patents that are the most meaningful and which make the most sense in regard to the text, the sentence or the paragraph.' Below the input field, there is a red-bordered box containing the text: 'Digitare o copiare & incollare un testo, una frase o un paragrafo: la ricerca semantica trova i documenti più significativi con riguardo al testo, alla frase o al paragrafo'.

Results

0 Families (from Advanced search) 562 Families (from Advanced search) 0 selected + Add to ...

- 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

Share Send by email

Search similar patents
Remove patent
Copy patent to a list
Set an alert
Export patent

562 Families (from Advanced search) < US20020111535 (9/562) > + Add to

SELF-PROPELLED ENDOSCOPIC MICRO-ROBOT AND SYSTEM FOR INTESTINAL ENDOSCOPY USING THE SAME

INVENTORS: KIM BYUNGKYU, LIM YOUNG MO, LEE JINHEE, PARK JISANG, KIM SOO HYUN, PARK JONG-DH
PATENT ASSIGNEES: KOREA INSTITUTE OF SCIENCE & TECHNOLOGY

IMAGES

ABSTRACT

A self-propelled endoscopic micro-robot, comprising a head for obtaining the errorless information of an interior of a tubular organ, an impact force generating unit connected the head generating an impact force according to a pneumatic pressure externally supplied and sucked by a air pressure supplier and making the self-propelled endoscopic micro-robot move in the tubular organ and a plurality of supporting arms connected the head with end of the impact force for covering the impact force generating unit, making a housing of the self-propelled endoscopic micro-robot, and adjusting frictional force between the interior of the tubular organ and the housing as desired.

PATENT NUMBERS

US20020111535	A1	2002-08-15	Register	Download
KR20020066453	A	2002-08-17	Register	Download
KR100380181	B1	2003-04-11	Register	Download
US6702734	B2	2004-03-09	Register	Download

independent claims

1. A system for intestinal endoscopy, comprising: an air pressure supplier for generating a predetermined pressure and a self-propelled endoscopic micro-robot with which said air pressure supplier is externally connected capable of moving in a tubular organ by an impact force generated by a pneumatic pressure provided and sucked by the air pressure supplier without any damage to the tubular organ, and obtaining precise images of the interior of the tubular organ.
13. The system according to claim 1, wherein said impact force depends on the pneumatic pressure and applied speed thereof between the air pressure supplier and the self-propelled endoscopic micro-robot.
14. A self-propelled endoscopic micro-robot, comprising: a head for obtaining the errorless information of an interior of a tubular organ and an impact force generating unit connecting the head generating an impact force according to a pneumatic pressure externally supplied and sucked by a air pressure supplier and making the self-propelled endoscopic micro-robot move in the tubular organ and a plurality of supporting arms connecting the head with end of the impact force generating unit for covering the impact force generating unit, making a housing of the self-propelled endoscopic micro-robot, and adjusting frictional force between the interior of the tubular organ and the housing as desired.

DESCRIPTION

Description	Open
Background of the invention	Open
Field of the invention	Open
Summary of the invention	Open
Brief description of the drawings	Open

Save results: lists and alerts

The screenshot displays a software interface with a top navigation bar containing 'My Projects' and 'Alerts' icons. A modal dialog titled 'Add selected patents to a list' is open, showing a folder named 'INBOX - QPTKW751' and a list of items: 'ENDOSCOPIC ROBOT (427)', 'EXPRESS (0)', 'Quicklist (0)', and 'Patent watching list (0)'. A context menu is visible over the list with options 'New folder' and 'New list'. The dialog has 'Cancel' and 'Add' buttons at the bottom. The background interface shows a 'DESCRIPTION' section with expandable items: 'Description', 'Background of the invention', 'Field of the invention', 'Summary of the invention', and 'Brief description of the drawings'.

Alert for search query

The screenshot displays the Orbit Express web interface. At the top, there are navigation tabs for 'Search', 'My Projects', and 'Alerts'. A modal dialog box titled 'Alert for this query' is open, containing the text 'I want to receive an alert when a new family is found with this query'. Below this text are two input fields: 'Name' with the placeholder 'Please name your alert' and 'Periodicity' with a dropdown menu currently showing 'Choose'. The dropdown menu is open, listing 'Choose', 'Weekly', and 'Monthly'. The background shows a search results page with several entries, each with a checkmark, a title, a date, and a brief description. The entries include 'Assistive robot en thereof', 'Robot apparatus for endoscopic surgery', 'Endoscopic robot', 'Robot system for endoscope treatment', and 'Robot surgery platform for natural orifice transluminal endoscopic surgery'. Each entry also features a small thumbnail image.

Export Selected Patents

The screenshot displays the Orbit Express web application interface. At the top, there is a navigation bar with 'Orbit Express', a search icon, 'My Projects', and 'Alerts'. Below this, the main content area shows search results for 'Advanced search' with '562 Families (from Advanced search)' and '5 selected' items. A modal dialog box titled 'Export Selected Patents' is centered on the screen, featuring a 'Format' section with options for '.xlsx' and '.pdf'. Below the format options, it provides 'Exported information' details and a note: 'Export 2500 patents max'. The dialog has 'Close' and 'Export' buttons at the bottom.

Analyze all results

Orbit Express | Search | My Projects | Alerts

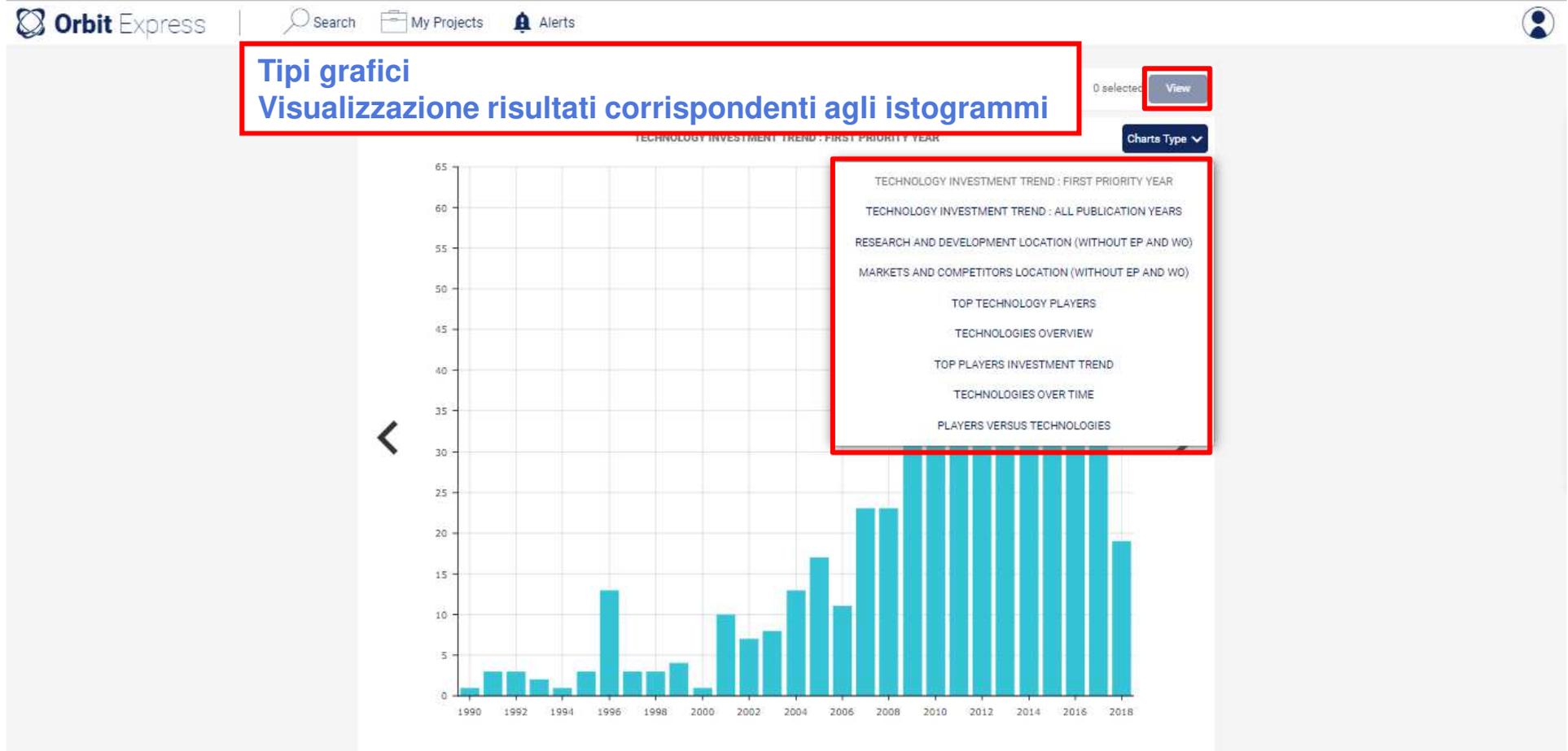
Advanced search 562 Families (from Advanced search) 0 selected + Add to

- 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
In a **robot** system for **endoscopic** treatment, a gripping force detection unit configured to detect gripping force is provided at a gripping unit (12) configured to open and close by an operation of wire (17) from a surgeon's front side, and a treatment instrument control unit (7) is configured to instruct a treatment instrument drive unit (3) on the operation of wire (17) configured to drive the gripping unit (12) so that the gripping force detected by the gripping force detection unit falls within a
- Robot** surgery platform for natural orifice transluminal **endoscopic** surgery
CN204133608U | 2013-02-04 | LIN HUILING
A **robot** surgery platform for a natural orifice transluminal **endoscopic** surgery comprises a conveying pipeline, spokes, **robot** arms and a base. The conveying pipeline is connected to the inside of the base, the spokes comprises the upper spokes and the lower spokes, the upper spokes are connected with the conveying pipeline through upper spoke-conveying pipeline joints

Search similar patents
Analyze all results
Set an alert
Export selected patents
Deselect all



Charts Type



Dimostrazione on-line



Network per la valorizzazione
della ricerca

Grazie

Rossella Osella



Network per la valorizzazione
della ricerca