

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 includes sections for 'Video Tutorials' (e.g., 'Searching with keywords', 'Using results') and 'Orbit User Guides' (e.g., 'Fields of the FamPat Collection'). A 'FamPat Database' table is visible at the bottom right, showing patent coverage data for various countries and weeks.

Navigation Menu (Left):

- Tutorials and User guides
- Search
 - Easy Search
 - Advanced Search
 - BioSequence Search
 - Semantic search assistant
 - Assignee Search
 - Number Search
 - Hitlist Results
 - My Lists
 - My saved searches
 - My Alerts
 - Examples of monitoring
 - My Session
 - Previous History
- Designs
 - Xpress Search
 - Alerts
 - Workfiles
 - Patent Copies
 - Analysis
 - Licensing
 - Business Case Assessment
 - Legal Risk Assessment
 - Ability to exclude
 - Portfolio Pruning
 - Technology Scouting
 - Licensable Art
 - User Settings
 - Annexes

Video Tutorials (Main Content):

- Searching with keywords
- Searching with classifications
- Searching with assignee names
- Searching with numbers
- Saving results
- Using results
- Data grouping
- Harnessing analysis
- Harnessing charts

Orbit User Guides (Main Content):

- NEW Orbit Admin : quickly how to use the administration tool
- Fields of the FamPat Collection
- Fields of the FullPat Collection

FamPat Database Table:

Week 2019-09 – Updated on March 04, 2019						
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

User Profile (Right):

- rossella osella
- rossella.osella@netval.it
- User settings
- Questel Academy
- Help Page
- Guides & tutorials
- Coverage details
- Contact support
- Report an issue
- Logout

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 o 1 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

Menu Explorer << Easy 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

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 has a 'Menu' tab and an 'Explorer' tab. Under 'Menu', 'Advanced search' is highlighted with a red box. Under 'Explorer', 'Advanced search' is also highlighted with a red box. The main search area has a search bar at the top with the text 'Easy search'. Below it, there are two search input fields, each with a dropdown menu set to 'Title, Abstract, Claims' and a search button. The search buttons are highlighted with red boxes. Below the search input fields, there is a list of search fields with checkboxes: Title, Abstract, Claims, Description, Object of invention, Advantages over prior art drawbacks, Independent Claims, Concepts, and Full Text. The 'Title', 'Abstract', and 'Claims' checkboxes are checked. A red box highlights this list. At the bottom of the search area, there are buttons for 'Search', 'Show cmd. line', 'Create script', and 'Clear'. The 'Search' button is highlighted with a red box. There are three callout boxes with red borders and blue text: 1. 'Evidenziare i termini con colori' (Highlight terms with colors) pointing to the search buttons. 2. 'Possibilità di: • selezionare i campi di ricerca • utilizzare troncature, operatori booleani e di prossimità' (Possibilities of: • selecting search fields • using truncations, boolean operators and proximity) pointing to the search fields list. 3. 'Campi ricerca • Testo • Codici classificazione • Depositanti, inventori, mandatari • Numeri, date, paesi • Stato legale' (Search fields • Text • Classification codes • Applicants, inventors, mandataries • Numbers, dates, countries • Legal status) pointing to the search input fields.

Advanced search

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, mandatari
- 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 several key components highlighted by red boxes:

- Assignee search:** A tab in the top navigation bar.
- Assignee Assistant:** A central dialog box with a 'Keywords' section containing 'Assignee: FIAT' and a 'Results' list. The results list includes items like 'Assignee', 'FIASCO P', 'FIASCO S CONTROLS', 'FIASIL', 'FIASONICS', 'FIAT', 'FIAT A', 'FIAT ALLIS', and 'FIAT ALLIS CONST MACHINERY'. It also features 'Add', 'Replace', and 'Cancel' buttons at the bottom.
- Corporate Tree:** A panel on the right showing search results for 'FIAT', listing 160 results such as 'Association FIAT', 'Associazione Auto Storiche Fiat', and 'Banco Fiat SA'.

The left sidebar contains a navigation menu with categories like 'Searches', 'My session', 'Past sessions', and 'My searches'. The 'Assignee search' option is highlighted in this menu.



Number search

The screenshot displays a web-based patent search interface. At the top, there is a search bar labeled 'Easy search'. Below it, a navigation menu is visible with options like 'Searches', 'My session', 'Past sessions', 'My searches', and 'My recent lists'. The 'Number search' option is highlighted in the menu. The main content area is titled 'Number search' and contains a search input field with a dropdown menu. The dropdown menu is open, showing options: 'Publication number', 'Publication number', 'Application number', 'Priority number', 'Application or Priority nu...', and 'Any patent number'. The first two 'Publication number' options are highlighted. To the right of the dropdown, there is a text area with examples: 'E.g.: US5000000', '08/123,456', and 'PCT/CCYYYY/999999'. Below the text area, there are three checkboxes: 'Display extended family table', 'Display graph', and 'Search similar patents'. At the bottom of the search area, there are three buttons: 'Search', 'Clear', and 'Upload File'.

Show results

Formato short list
senza preview
ordinati per rilevanza

Easy search [Save strategy]

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

The screenshot shows a patent search interface with a table of results. A red box highlights the title of the third result, 'Endoscopic robot', and a callout text box contains the instruction: 'Cliccando sul titolo si apre il risultato individuale'. The table lists various patents related to endoscopic surgery and robots, including their publication numbers, application dates, and applicants. The right sidebar shows a 'List of publications' for the selected patent, including application numbers and dates. The bottom of the interface shows navigation controls and a page count of 426 records.

#	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	ITM1962188	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 interstitial 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
- ITM1962188 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

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 paragraph describing the invention: '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 causes discomfort and pain to the patient. <IMAGE>'
- List of publications**: A table listing various patent applications and publications with their respective dates and flags. A red box highlights the 'Registro nazionale' label, and another red box highlights the 'Documento originale pdf' label.
- 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
- Description (EP-838200)**: A detailed description of the invention, including its purpose and how it works. It mentions 'endoscopic robot', 'endoscopic technique', and 'endoscopic instruments'.

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

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

Select: 1

Search similar patents
Restrict to similar patents

#	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

Easy search

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

Select: 426

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 list of 426 results. A dialog box titled 'Patent copies' is open, allowing users to select document(s) and patent format. The dialog box includes sections for 'Order options' (Representative member only, All stages of the representative member, Entire family) and 'Patent format (full, first page or draw)' (Full pdf, First page, Drawings mosaic). The 'Delivery Type' section includes 'Add to Portfolio' and 'Email'. The background shows a table of patent records with columns for Publication number, 1st app. date, Applicant/Assignee, and a percentage.

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 %



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 background results table includes the following data:

#	Title	Year	Author	Percentage
1	Robo	2011-09-18	PHILIPS, PHILI...	97 %
2	Robo	2016-08-24	HWANG GUK H...	97 %
3	Endo	2014-09-28	PEOPLE S HO...	96 %
4	Haem	2011-01-26	ZHOU NINGXIN	96 %
5	Hard	2010-09-08	SIEMENS, SIE...	96 %
6	Robo	2015-01-22	SHENZHEN IN...	96 %
7	Assist	2009-08-18	ETERNE; REBO*	96 %
8	Endo	2014-01-02	PLA GENERAL ...	96 %
9	Robot	2001-02-10	KOREA INSTIT...	96 %
10	Robo	2014-12-12	THIRD HOSPIT...	96 %
11	Endo	1996-02-08	SYMBIOSIS*	96 %
12	Robo	2010-03-22	ETERNE*	96 %
13	Multi	2011-01-26	ZHOU NINGXIN	95 %
14	Instru	2002-11-29	SCHOOL*	95 %
15	Passiv	2017-12-29	SHAANXI LANF...	95 %
16	Remo	2010-11-15	PHILIPS; PHILI...	95 %
17	Digest			
18	Self-p			
19	Endo			
20	Endo			
21	Surgic			
22	Hemo			
23	Endo			
24	Endoscopy detection robot for pipe with pipe diameter of 114 mm			
25	Human-robot shared control for endoscopic assistant robot			

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 research database interface. At the top, a search bar contains the query: "426 results for ((ENDOSCOPIC)/TI/AB/IW/CLMS AND (ROBOT?)/TI/AB/IW/CLMS) - Collection: FAMPAT". The interface is divided into several sections:

- Left sidebar:** Contains navigation options like "Searches", "My session", "Past sessions", "My searches", and "My recent lists". The "My recent lists" section is highlighted with a red box, showing "ENDOSCOPIC ROBOT (426)".
- Top navigation:** Includes "Menu", "Filter", and "Explorer" tabs. The "Explorer" tab is highlighted with a red box.
- Main content area:** Displays a list of search results. Each row includes a checkbox, a title snippet, a publication number, a date, an applicant/assignee, and a percentage. The "Explorer" view is also visible as a floating window over the main results.

A red box highlights a text overlay in the center of the results table:

Le liste sono visualizzabili in Explorer e le ultime utilizzate in My recent list

	Publication number	1st app. date	Applicant/Assignee	
1	KR20110120476	2010-04-29	KOREA ADVAN...	100 %
2	WO2010109932	2010-01-14	OLYMPUS MED...	98 %
3	ITM1962188	1996-10-22	SCUOLA SUPE...	98 %
4	WO2012100413	2011-01-26	ZHOU NINGXIN	98 %
5	CN107349014	2017-06-30	BEIJING UNIVE...	97 %
6	CN103919591	2014-04-24	SHENZHEN IN...	97 %
7	TW201625173	2015-01-15	NATIONAL TAI...	97 %
8	CN104434008	2014-12-12	THIRD HOSPIT...	97 %
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; PHILL...	95 %

Cited and Citing patents

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

Litigations

Oppositions

#	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 %

Page 1 of 3 Record 1 of 426

Displaying records 1 - 200 of 426

Search history

The screenshot displays a web-based patent search interface. At the top, a navigation bar includes options like 'Erase all', 'Save entire strategy' (highlighted with a red box), 'Create a script', and 'Export'. Below this, a red box highlights the text 'Salvare strategia ricerca'. The main area features a table titled 'Patent family searches (FamPat)' with columns for Search Step, Result(s), Query, Assistant, Source, and Action. The table lists three search steps. The 'Save' button in the 'Action' column for the second step is highlighted with a red box. On the left, a sidebar menu shows 'Search history' also highlighted with a red box. At the bottom, there is a search bar with the query '1 AND 2' and a 'Search' button.

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

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	-	-	•	-
	Assessment	-	-	•	-
PORTFOLIO MANAGEMENT	Ability to Exclude	-	-	•	-
	Portfolio Pruning	-	-	•	-
LICENSING	Licensable Art	-	-	•	-
	Licensing-out	-	-	•	-

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'. Below this, a 'Key facts' section is visible with a 'Single view' tab. A sidebar on the left features a 'Charts' menu item, which is highlighted with a red box. The main content area shows a 'Recommended visualizations' section with a sub-tab 'All visualizations' also highlighted with a red box. Underneath, a list of visualization categories is shown: 'By year', 'By assignee', 'By inventor', 'By country', 'By technology', and 'By legal status'.

By year

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 active, showing 'Single view'. A 'Charts' menu is visible, and the 'All visualizations' tab is selected. Under 'All visualizations', the 'By year' option is highlighted with a red box. Below this, three bar charts are displayed, each representing a different year-based metric: '1st application year', '1st publication year', and '1st priority year'. Each chart shows a distribution of data points across years. To the left of the charts, a list of other visualization options is shown, including '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' menu. 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

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**



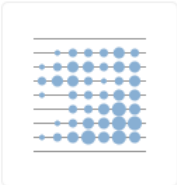
Protection country



Publication country



Priority country



Publication country by year

- By technology
- By legal status

By technology

The screenshot displays 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, showing a grid of visualization options. On the left, a sidebar lists filters: 'By assignee', 'By inventor', 'By country', and 'By technology' (highlighted with a red box). The grid includes: 'Technology domain' (hexagonal chart), 'Sub technical domains' (horizontal bar chart), 'Technology domain by assignee' (network diagram), 'IPC clusters' (colored polygon chart), 'Concepts by assignee' (heatmap), 'Concept citations' (horizontal bar chart), 'CPC subclass' (horizontal bar chart), 'CPC by assignee' (network diagram), 'IPC citations' (horizontal bar chart), and 'Top cited patent families' (horizontal bar chart).

By legal status

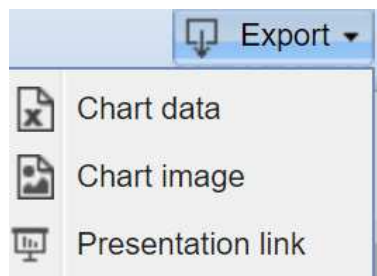
The screenshot shows a software interface for data analysis. At the top, there are navigation options: 'Presentation', 'Data rules', and 'Open saved analysis'. Below this, the main area is titled 'Key facts' and 'Single view'. A 'Charts' section is visible, with a sub-tab for 'All visualizations'. A list of categories is shown on the left, with 'By legal status' highlighted in a red box. Below the list, six visualization thumbnails are displayed: 'Legal state', 'Legal status', 'Litigation countries', 'Opposition countries', 'Licensed patents', and 'Standard essential patents'. Each thumbnail shows a pie chart or a horizontal bar 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 at the bottom right.

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:

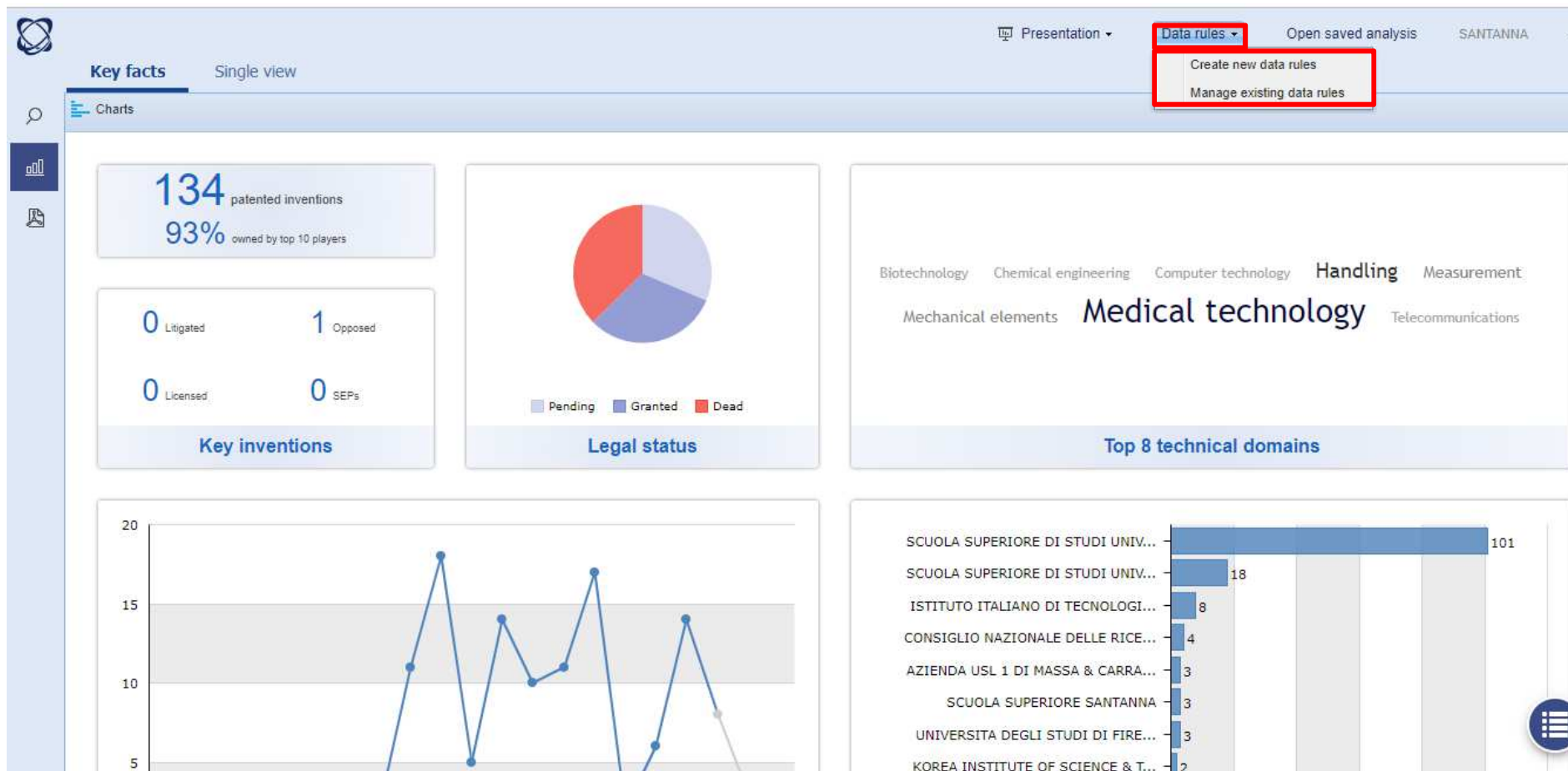
Technical Domain	Count
DI STUDI UNIV...	101
DI STUDI UNIV...	18
DI TECNOLOGI...	8
CONSIGLIO NAZIONALE DELLE RICE...	4
AZIENDA USL 1 DI MASSA & CARRA...	3
SCUOLA SUPERIORE SANTANNA	3
UNIVERSITA DEGLI STUDI DI FIRE...	3
KOREA INSTITUTE OF SCIENCE & T...	2

Saved analysis

The screenshot shows a software interface with a left sidebar labeled 'Explorer' and a main area titled 'Saved analysis'. The 'Saved analysis' area contains a table with the following columns: Name, Description, Date, Folder path, Count, Source, and Actions. The first row, 'SANTANNA', is highlighted with a red border.

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)



Data rules – Suggest groupings

The screenshot displays the 'Data rules administration' interface. At the top, there is a 'Data rules' tab and a 'Filter results' input field. A dropdown menu for 'Assignees' is open, showing options: Parent company, Inventors, Representative, All IPC codes, ECLA codes, All CPC codes, and Concepts. The main table lists data rules with columns for 'Name' and 'Occurrences'. The table is sorted by 'Occurrences' in descending order.

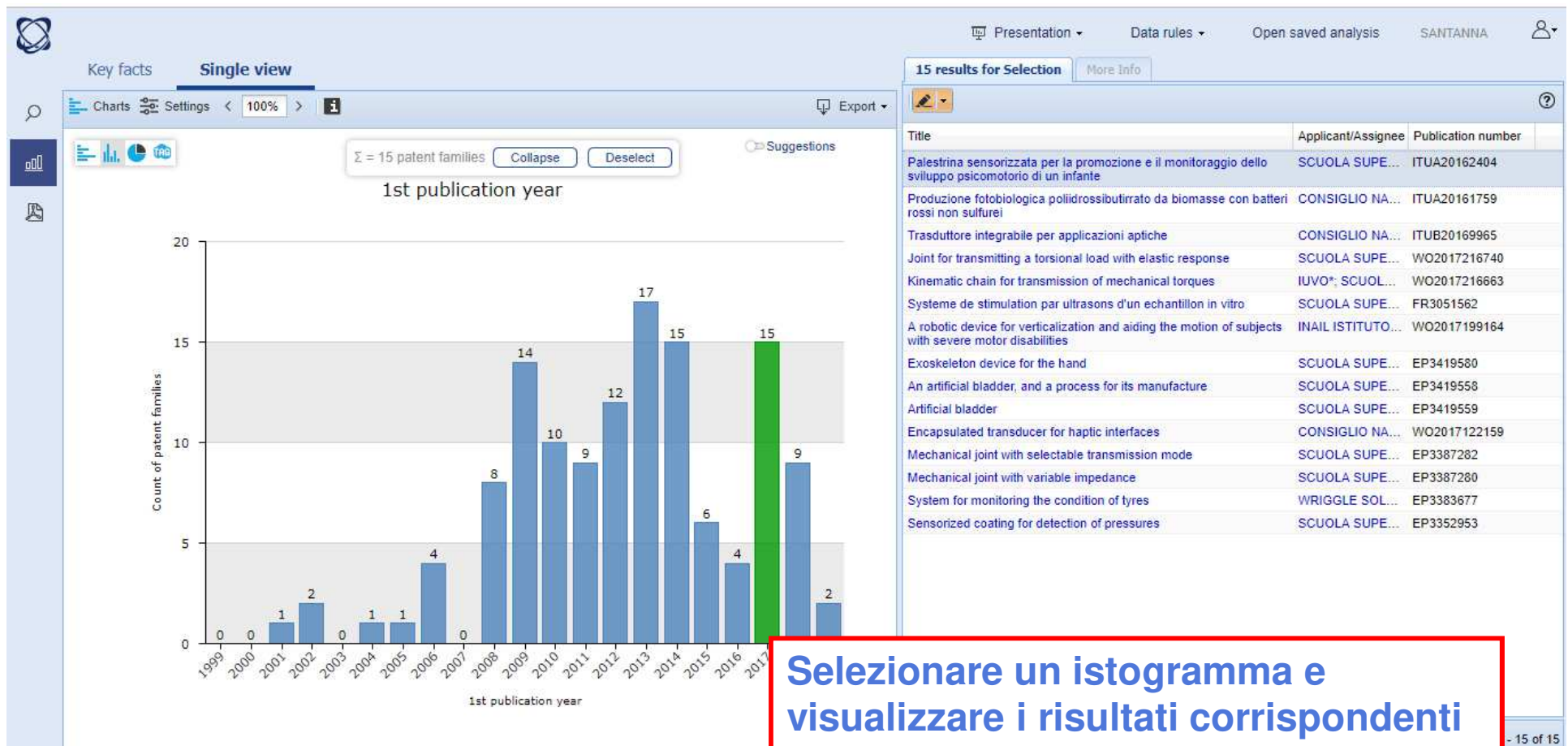
Name	Occurrences
SCUOLA SUPERIORE DI PERFEZIONAMENTO SANT ANNA	102
SCUOLA SUPERIORE DI PERFEZIONAMENTO SANTANNA	21
VANDERBILT UNIVERSITY	11
ISTITUTO ITALIANO DI	9
SHANGHAI JIAO TONG	6
CONSIGLIO NAZIONALE	4
KOREA INSTITUTE OF SCIENCE & TECHNOLOGY	4
AZIENDA USL 1 DI MASSA & CARRARA	3
BIO MEDICAL ENGINEERING	3
BOARD OF REGENTS OF THE UNIVERSITY OF NBRASKA	3
CEA - COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	3
COVIDIEN	3
ELWHA	3
NASA - NATIONAL AERONAUTICS & SPACE ADMINISTRATION	3
OVESCO ENDOSCOPY	3
SCUOLA SUPERIORE SANTANNA	3
UNIVERSITA DEGLI STUDI DI FIRENZE	3
UNIVERSITY OF NEBRASKA	3
VIRTUAL INCISION	3
AALBORG UNIVERSITY	2
AZIENDA OSPEDALIERA PISANA	2
BOSTON SCIENTIFIC SCIMED	2
CHANGZHOU COLLEGE OF INFORMATION TECHNOLOGY	2
DEPUY SPINE	2
DEPUY SYNTHES	2

On the right side of the interface, there are several action buttons: 'Corporate tree', 'Group', 'Ungroup', 'Exclude', 'Include', and 'Use filter as rule'.

Settings - Customize



Publication year - Results



Selezionare un istogramma e visualizzare i risultati corrispondenti

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

← → ↻ <https://express.orbit.com/#/search> ☆ 📄 📄 | R ⋮

Orbit Express | 🔍 Search 📁 My Projects 🔔 Alerts 👤

Easy Search Advanced search Semantic search

ENDOSCOPIC ROBOT X

Help

Search

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

Questel Academy A place to learn about IP Start your free class now !

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', 'Alerts', and a user profile icon. 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 and its list of options: 'Select your option', 'Text', 'Classification', 'Assignee', 'Inventor', 'Representative', 'Number', 'Date', 'Publication country', and 'Legal event'. To the right of the dropdown is a text input field containing 'E.g : keyboard, 'helmet',...' and a 'Delete' button. A 'Search' button is located at the bottom of the search area.

Advanced search – Search text

Orbit Express | Search | My Projects | Alerts

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

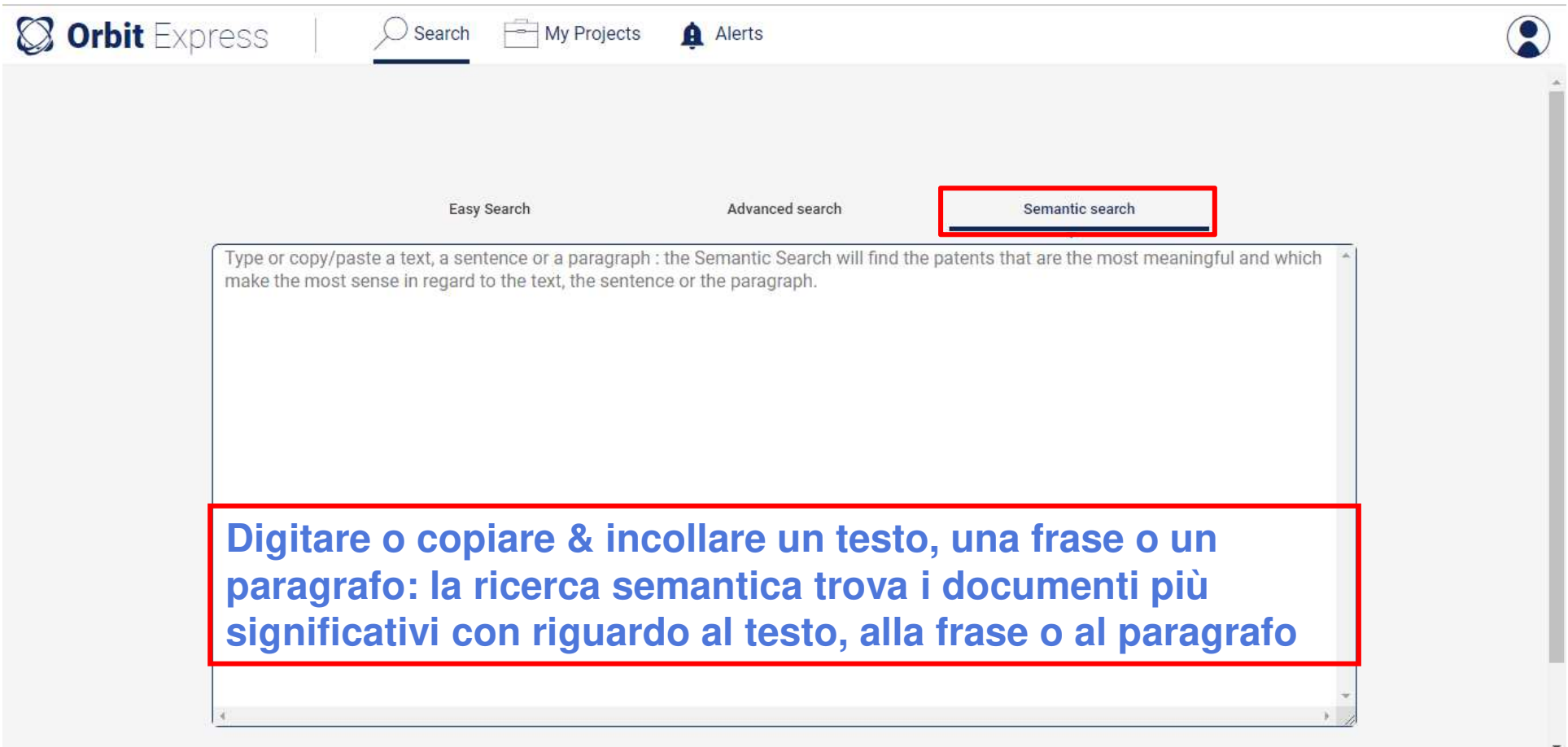
Text | Select your option | Endoscopic Robot | Delete

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)

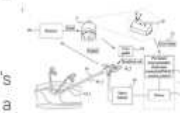
0 selected + Add to



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

TW201625173 | 2016-07-16 | NATIONAL TAIWAN UNIVERSITY

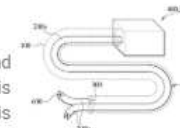
Provided is an assistive **robot endoscopic** system, including a wireless gyroscope, measuring an intuitive motion of a user's (e.g., a surgeon) head, generating data based on the intuitive motion of the user's head and transmitting the data to a computer; a control system, receiving the data from the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

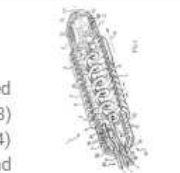
PURPOSE: A **robot** apparatus for an **endoscopic** surgery is provided to have enough flexibility by including a flexible shaft and a **robot** arm in an internal **robot**. CONSTITUTION: In a **robot** apparatus for an **endoscopic** surgery, an over-tube(100) is approached to an incision part through 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

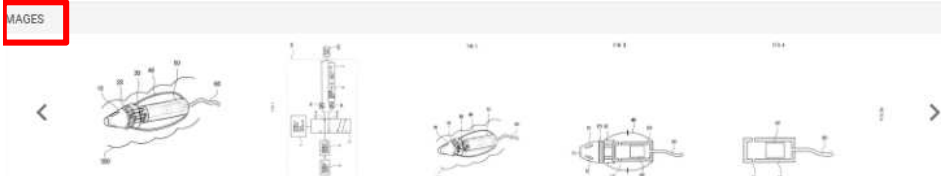
562 Families (from Advanced search) < US20020111535 (9/562) > + Add to

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 shows 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 showing '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 includes a small diagram or 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 open in the center, featuring a 'Format' section with options for '.xlsx' and '.pdf'. Below the format options, it provides 'Exported information' details: 'Title, inventors, Assignees, Earliest Priority date, Patent number with latest publication date, Abstract, Claims, independent claims, IPCs and/or CPCs with labels when available.' and a note 'Export 2500 patents max'. The dialog has 'Close' and 'Export' buttons at the bottom right. The background shows several patent entries with titles like 'Assistive robot endoscopic system with intuitive maneuverability for laparoscopic surgery and method thereof' and 'Robot system for endoscope treatment'.

Analyze all results

Orbit Express | Search | My Projects | Alerts

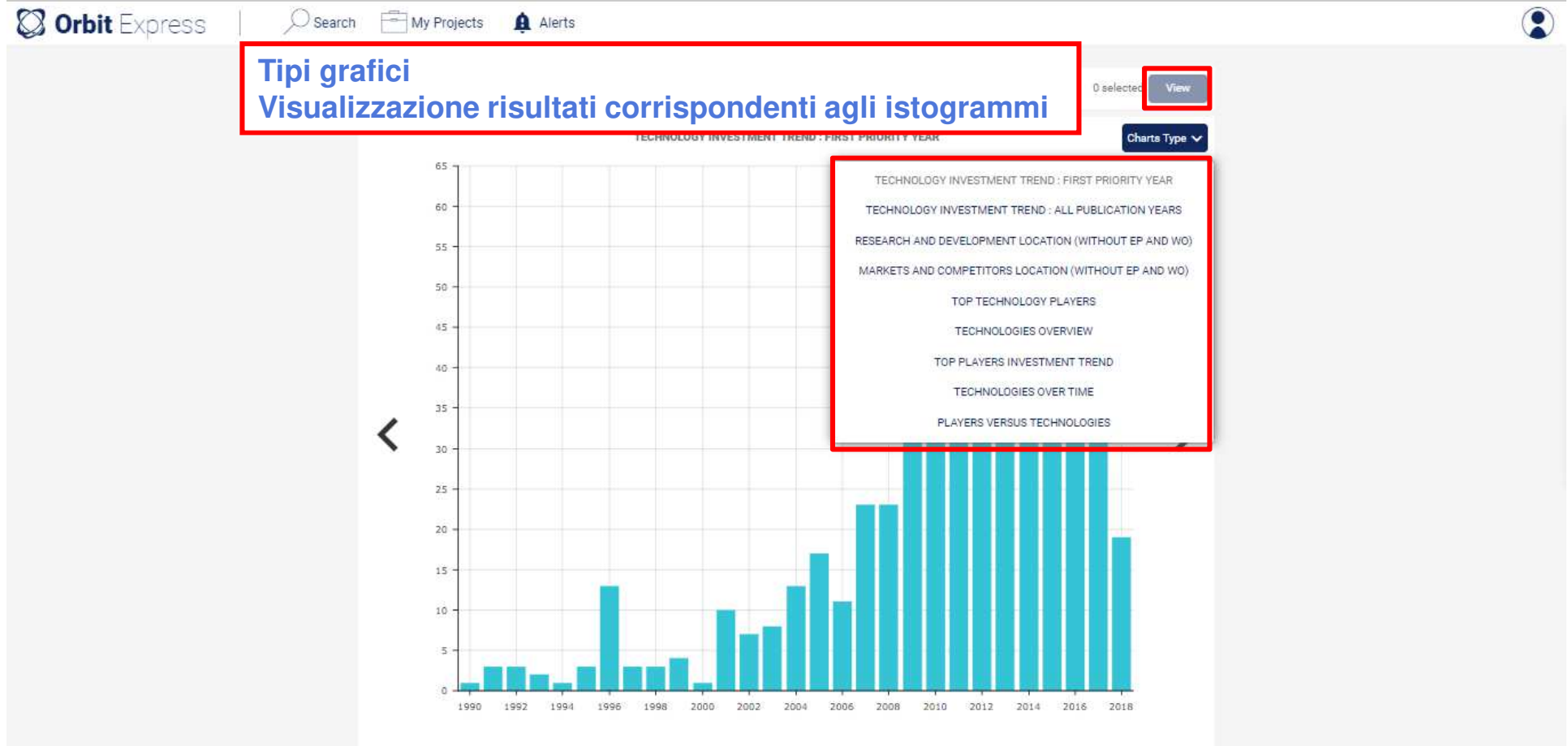
Advanced search 562 Families (from Advanced search) 0 selected + Add to

- 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