



Struttura dei brevetti e ricerca brevettuale

Venezia, 18/11/2016

Greta Bonetto

Come è fatto un brevetto?

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)
(19) World Intellectual Property Organization
International Bureau
WIPO PCT
WO 2016/120795 A1

(43) International Publication Date
4 August 2016 (08.08.2016)

(51) International Patent Classification
C01G 23/02 (2006.01) A61K 483/00 (2006.01)

(52) International Application Number
PCT/IB2016/050304

(22) International Filing Date
27 January 2016 (27.01.2016)

(30) Filing Language
English

(31) Publication Language
English

(86) Priority Data
P1/15/08653 29 January 2015 (29.01.2015) IT

(71) Applicant
UNIVERSITA' CA' FOSCARI (UNIV. FOSCARA)

(72) Inventor
SPONZIO, Gabriele (ca. Milano, I)

(73) Owner
UNIVERSITA' CA' FOSCARI (UNIV. FOSCARA)

(54) Title
TOTALLY MESOPOROUS ZIRCONIA NANOPARTICLES, USE AND METHOD FOR PRODUCING THEREOF

(57) Abstract
The present invention relates to novel totally mesoporous zirconia nanoparticles as well as a sol-gel synthesis process thereof which is able to synthesize nanoparticles having well defined mesoporous structure. Said nanoparticles are characterized by a well-defined mesoporous structure, i.e. a distribution of pores within the so-called mesoporous range and/or a distribution of pores within the so-called mesoporous range and/or a distribution of pores within the so-called mesoporous range and/or a distribution of pores within the so-called mesoporous range.

Figure 1 (a)

WO 2016/120795
1
PCT/IB2016/050304

Description

Title of Invention: TOTALLY-MESOPOROUS ZIRCONIA NANOPARTICLES, USE AND METHOD FOR PRODUCING THEREOF

Technical Field

(1) The scope of the present invention relates to nanoparticles made of zirconium oxide (ZrO₂), a compound commonly referred to as 'zirconia'. More specifically, the invention describes and claims inventive concepts relevant to new ZrO₂ nanoparticles characterized by an amorphous and mesoporous structure. Particularly, the scope of the present invention encompasses a manufacturing method which allows to produce high-purity zirconia nanoparticles of substantially spherical shape, characterized by a totally-mesoporous structure, i.e. a distribution of pores within the so-called mesoporous range, uniformly distributed throughout the entire nanoparticle volume.

Background Art

(2) In the last decades, mesoporous nanoparticles have been a topic of intense research because of the many potential applications that can be developed by taking advantage of their high surface area. Actually, these nanoparticles present pores sizes between 2 to 50 nm (and are thus called 'mesopores' according to IUPAC nomenclature), an ideal characteristic in all those applications where a high surface interaction is essential, for example in biomedical applications (e.g. drug delivery or imaging), in the catalysis and filtration (e.g. heavy metals ion sequestration), in sensor devices (e.g. gas sensor) or in cosmetics, just to name a few application fields. Indeed, the presence of pores in the mesoporous range allows the nanoparticles to be loaded with organic molecules such as enzymes, active substances or inorganic nanometric phases having catalytic, magnetic or optical properties. Normally, mesoporosity of the nanoparticle is intimately associated with an amorphous structure because a crystalline structure generally leads to the closure of the pores.

(3) The intense research in the recent years has been substantially devoted to achieve an increasingly better control of the particles at a micro and nano level, and particularly of their physical-chemical and electronic properties. This goal represents the starting point for developing new materials with highly selective functions, or new multifunctional materials, which are able to meet the requirements of different applications e.g. in nanomedicine. This quest in turn encourages research for oxides which can be synthesized in the form of mesoporous nanoparticles.

(4) Among the oxides, silica has been mainly used so far because the synthesis of stable mesoporous silica nanoparticles (or MSNs) is relatively easy to achieve: a

WO 2016/120795
15
PCT/IB2016/050304

(a)

(b)

Figure 1

Figure

WO 2016/120795
20
PCT/IB2016/050304

Claims

(Claim 1) A zirconium oxide having formula ZrO₂ in the form of particles **characterized** in that said particles:

- are nanoparticles or microparticles of generally spherical shape; and
- have a stable totally-mesoporous structure with a generally uniform pore distribution distributed throughout the entire volume of said particle; and
- have a specific surface area of more than about 200 m²/g.

(Claim 2) The zirconium oxide in the form of particles according to claim 1 **characterized** in that said particles have an average diameter ranging between about 20 nm to about 2000 nm.

(Claim 3) The zirconium oxide in the form of particles according to claim 1 **characterized** in that said mesoporous structure contains pores having an average diameter ranging between about 2 nm to about 10 nm.

(Claim 4) The zirconium oxide in the form of particles according to claim 1 **characterized** in that said particles are well-separated particles.

(Claim 5) The zirconium oxide in the form of particles according to claim 1 **characterized** in that said particles are non-cytotoxic or substantially non-cytotoxic.

(Claim 6) The zirconium oxide in the form of particles according to one or more of the preceding claims, **characterized** in that said particles are functionalized with or bound or adsorbed to one or more compounds selected from the group consisting of: organic molecules, macromolecules, metalorganic compounds, inorganic phases, or a combination thereof.

(Claim 7) A biocompatible nano-bio system comprising:

- the zirconium oxide in the form of particles, as recited in one or more of said claims 1 to 6; and
- at least one compound chemically bound or adsorbed onto one or more of said particles, said compound being selected from the group consisting of: enzymes, polypeptides, proteins, antibodies, DNA, RNA, drugs, chemotherapy drugs, chelating agents, nanoparticles, metal oxides inorganic phases, lamniphore agents, fluorescence agents, photocalytic agents, magnetic oxides, magnetic resonance imaging agents, enhancing agents for optical imaging, or a combination thereof.

Rivendicazioni

Dati bibliografici

Descrizione

Dati bibliografici

Data di pubblicazione

Classi tecnologiche

Data di deposito / priorità

Richiedente

Inventori



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)
(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 August 2016 (04.08.2016)

(10) International Publication Number
WO 2016/120795 A1

(51) International Patent Classification:
C01G 25/02 (2006.01) A61K 9/00 (2006.01)

(21) International Application Number:
PCT/IB2016/050394

(22) International Filing Date:
27 January 2016 (27.01.2016)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PD2015A000015 28 January 2015 (28.01.2015) IT

(71) Applicant: UNIVERSITA' CA' FOSCARI [IT/IT]; Dorsoduro, 3246, 30123 Venezia (IT).

(72) Inventors: SPONCHIA, Gabriele; via Milano, 2, 30020 Noventa di Piave (IT). BENEDETTI, Alvise; Dorsoduro 3733/a, 30123 Venezia (IT). RIBELLO, Pietro; Via Umberto Giordano, 2, 35132 Padova (IT).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TD, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:
— as to the identity of the inventor (Rule 4.17(i))
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
— of inventorship (Rule 4.17(iv))

Published:
— with international search report (Art. 21(3))

(54) Title: TOTALLY-MESOPOROUS ZIRCONIA NANOPARTICLES, USE AND METHOD FOR PRODUCING THEREOF

(57) Abstract: The present invention relates to novel totally-mesoporous zirconium oxide nanoparticles as well as a sol-gel synthesis process thereof which include an innovative nanoparticles purification step. Said nanoparticles are characterized by a totally-mesoporous structure i.e. a distribution of pores within the so-called the mesoporous range uniformly distributed throughout the entire nanoparticle volume. Furthermore, said nanoparticles are non-cytotoxic and present a high surface area, which make particularly suitable in both biomedical and industrial applications (e.g. drug delivery, heavy metals ion sequestration). The manufacturing method is simple and advantageously allows for high control over the shape and diameter of the nanoparticles as well as over the nanoparticles pores.

Figure 1 (a)

Giurisdizione

Numero di pubblicazione.

Codici brevettuali:

A = Domanda

B = Brevetto

Titolo

Abstract

Figura principale

Classificazioni: IPC e CPC

PINK

IPC: International
Patent Classification

Symbol	Classification and description
A	HUMAN NECESSITIES
B	PERFORMING OPERATIONS; TRANSPORTING
C	CHEMISTRY; METALLURGY
D	TEXTILES; PAPER
E	FIXED CONSTRUCTIONS
F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS
G	PHYSICS
H	ELECTRICITY
Y	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS

8 sezioni (A – H) + 1 (Y)

Struttura gerarchica

Aggiornata periodicamente

Classificazioni: IPC e CPC

Symbol	Classification and description
C	CHEMISTRY; METALLURGY [2013-01]
	CHEMISTRY [2013-01]
C03	GLASS; MINERAL OR SLAG WOOL (...) [2013-01]
C03B	MANUFACTURE, SHAPING, OR SUPPLEMENTARY PROCESSES [2013-01]
	Melting the raw material [2013-01]
C03B 1/00	Preparing the batches (...) [2013-01]
C03B 3/00	Charging the melting furnaces [2013-01]
C03B 5/00	Melting in furnaces; Furnaces so far as specially adapted for glass manufacture [2013-01]
C03B 5/005	of glass-forming waste materials (...) [2013-01]
C03B 5/02	in electric furnaces, e.g. by dielectric heating (...) [2013-01]
C03B 5/021	by induction heating [2013-01]
C03B 5/023	by microwave heating [2013-01]
C03B 5/025	by arc discharge or plasma heating [2013-01]
C03B 5/027	by passing an electric current between electrodes immersed in the glass bath, i.e. by direct resistance heating [2013-01]
C03B 5/0272	Pot furnaces [2013-01]
C03B 5/0275	Shaft furnaces (...) [2013-01]
C03B 5/0277	Rotary furnaces [2013-01]
C03B 5/03	Tank furnaces [2013-01]
C03B 5/031	Cold top tank furnaces [2013-01]
C03B 5/033	by using resistance heaters above or in the glass bath, i.e. by indirect resistance heating [2013-01]
C03B 5/0332	Tank furnaces [2013-01]
C03B 5/0334	Pot furnaces; Core furnaces [2013-01]
C03B 5/0336	Shaft furnaces (...) [2013-01]
C03B 5/0338	Rotary furnaces [2013-01]

Struttura gerarchica

CPC: Cooperative Patent Classification

Più dettagliato

Maggiori revisioni



IPC: International Patent Classification

Come è fatto un brevetto



Descrizione

WO 2016/120795 1 PCT/IB2016/050394

Description

Title of Invention: TOTALLY-MESOPOROUS ZIRCONIA NANOPARTICLES, USE AND METHOD FOR PRODUCING THEREOF

Technical Field

[1] The scope of the present invention relates to nanoparticles made of zirconia (ZrO_2), a compound commonly referred to as 'zirconia'. More specifically, the invention describes and claims inventive concepts relevant to new ZrO_2 nanoparticles characterized by an amorphous and mesoporous structure. Particularly, the scope of the present invention encompasses a manufacturing method which allows to produce high-purity grade zirconia nanoparticles of substantially spherical shape, characterized by a totally-mesoporous structure, i.e. a distribution of pores within the so-called mesoporous range, uniformly distributed throughout the entire nanoparticle volume.

Background Art

[2] In the last decades, mesoporous nanoparticles have been a topic of intense research because of the many potential applications that can be developed by taking advantage of their high surface area. Actually, these nanoparticles present pores sizes between 2 to 50 nm (and are thus called 'mesoporous' according to IUPAC nomenclature), an ideal characteristic in all those applications where a high surface interaction is essential, for example in biomedical applications (e.g. drug delivery or imaging), in the catalysis and filtration (e.g. heavy metals ion sequestration), in sensor devices (e.g. gas sensor) or in cosmetics, just to name a few application fields. Indeed, the presence of pores in the mesoporous range allows the nanoparticles to be loaded with organic molecules such as enzymes, active substances or inorganic nanometric phases having catalytic, magnetic or optical properties. Normally, mesoporosity of the nanoparticle is intimately associated with an amorphous structure because a crystalline structure generally leads to the closure of the pores.

The intense research in the recent years has been substantially devoted to achieve an increasingly better control of the particles at a micro and nano level, and particularly of their physical-chemical and electronic properties. This goal represents the starting point for developing new materials with highly selective functions, or new multi-functional materials, which are able to meet the requirements of different applications in nanomedicine. This quest in turn encourages research for oxides which can be used in the form of mesoporous nanoparticles.

Among the oxides, silica have been mainly used so far because the synthesis of stable mesoporous silica nanoparticles (or MSNs) is relatively ease to achieve: a

1. Campo tecnologico

Art. 51 comma 2 CPI
«L'invenzione deve essere descritta in modo sufficientemente chiaro e completo perché ogni persona esperta del ramo possa attuarla e deve essere contraddistinta da un titolo corrispondente al suo oggetto»

2. Stato dell'arte

3. Problema tecnico che l'invenzione vuole risolvere

4. Descrizione dell'invenzione:

- Vantaggi;
- Breve descrizione delle figure;
- Almeno un modo di attuazione.

5. Esempi

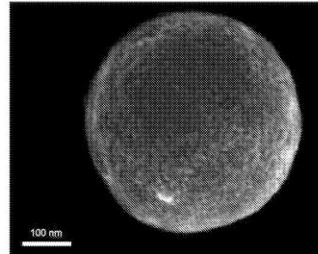
Disegni

Se necessari

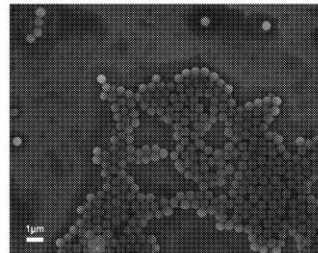
WO 2016/120795

1/5

PCT/IB2016/050394



(a)



(b)

Figure 1

Riferimento nella
descrizione

Rivendicazioni

Rivendicazioni indipendenti

Definiscono l'ambito
di protezione

WO 2016/120795

20

PCT/IB2016/050394

Claims

A zirconium oxide having formula ZrO_2 in the form of particles **characterized in that** said particles:

- are nanoparticles or microparticles of generally spherical shape; and
- have a stable totally-mesoporous structure with a generally uniform pore distribution distributed throughout the entire volume of said particle; and
- have a specific surface area of more than about 200 m²/g.

[Claim 2]

The zirconium oxide in the form of particles according to claim 1 **characterized in that** said particles have an average diameter ranging between about 20 nm to about 2000 nm.

[Claim 3]

The zirconium oxide in the form of particles according to claim 1 **characterized in that** said mesoporous structure contains pores having an average diameter ranging between about 2 nm to about 10 nm.

[Claim 4]

The zirconium oxide in the form of particles according to claim 1 **characterized in that** said particles are well-separated particles.

[Claim 5]

The zirconium oxide in the form of particles according to claim 1 **characterized in that** said particles are non-cytotoxic or substantially non-cytotoxic.

[Claim 6]

The zirconium oxide in the form of particles according to one or more of the preceding claims, **characterized in that** said particles are functionalized with or bound or adsorbed to one or more compounds selected from the group consisting of: organic molecules, macromolecules, metalorganic compounds, inorganic phases, or a combination thereof.

[Claim 7]

A biocompatible nano-bio system comprising:

- the zirconium oxide in the form of particles, as recited in one or more of said claims 1 to 6; and
- at least one compound chemically bound or adsorbed on one or more of said particles, said compound being selected from the group consisting of: enzymes, polypeptides, proteins, antibodies, DNA, RNA, drugs, chemotherapy drugs, chelating agents, nanoparticles, metal oxides inorganic phases, luminophore agents, fluorophore agents, photocatalyzer agents, magnetic oxides, magnetic resonance imaging agents, enhancing agents for optical imaging, or a combination thereof.

Rivendicazioni dipendenti

Rivendicazioni di prodotto
o apparato

Rivendicazioni di processo,
metodo od uso

Rapporto di ricerca

Categorie

X = di particolare rilevanza se considerato singolarmente

Y = di particolare rilevanza se combinato con un altro documento Y

A = documento facente parte dello stato dell'arte

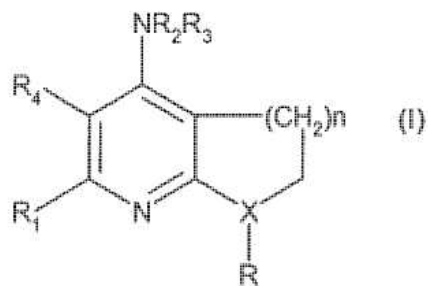
Documenti anteriori potenzialmente pericolosi

INTERNATIONAL SEARCH REPORT		International application No PCT/IB2016/050394
A. CLASSIFICATION OF SUBJECT MATTER INV. C01G25/02 A61K9/00 ADD.		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C01G A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal, CHEM ABS Data, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHAOHENG TANG ET AL: "Hollow Mesoporous Zirconia Nanocapsules for Drug Delivery", ADVANCED FUNCTIONAL MATERIALS, WILEY - V C H VERLAG GMBH & CO. KGAA, DE, vol. 20, no. 15, 9 August 2010 (2010-08-09), pages 2442-2447, XP001556978, ISSN: 1616-301X, DOI: 10.1002/ADFM.201000647	1-10, 23, 24
A	----- the whole document	11-22, 25-27
X	US 2010/051877 A1 (WEI TA-CHEN [US] ET AL) 4 March 2010 (2010-03-04)	1-5
A	paragraphs [0027] - [0045]; claims 25-33 ----- -/-	6-27
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.
* Special categories of cited documents :		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "S" document member of the same patent family
Date of the actual completion of the international search 6 April 2016		Date of mailing of the international search report 06/05/2016
Name and mailing address of the ISA/ European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Corrias, M

Form PCT/ISA210 (second sheet) (April 2006)



Il brevetto chimico

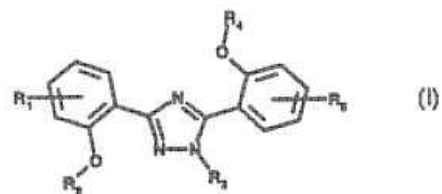


Brevetto di prodotto (composto chimico di per sé):

- Deve contenere almeno un processo e un uso
- Strutture chimiche di base con diversi gruppi funzionali opzionali (formule di Markush)

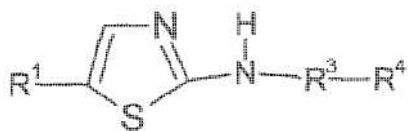
• Processo (metodo di preparazione):

- (Nuovo) Processo per la preparazione di un prodotto nuovo
- Nuovo processo per la preparazione di un prodotto NOTO.



• Uso:

- Uso chimico, uso medico, secondo uso medico



1

Ricerca brevettuale: perché?

15-25% di tutti i costi in R&D vengono sprecati ogni anno in invenzioni che sono già state inventate.

(12) UK Patent Application (19) **GB 2 365 393** (13) **A**
(43) Date of A Publication **20.02.2002**

(21) Application No 0019361.5	(51) INT CL ⁷ B64C 25/40	20.02.2002
(22) Date of Filing 07.08.2000	(52) UK CL (Edition T) B7G B8H	
(71) Applicant(s) Peter John Ginn 153 Waller Road, New Cross, LONDON, SE14 5LX, United Kingdom	(56) Documents Cited GB 2242401 A GB 2334925 A GB 2193932 A GB 1407358 A US 4040582 A US 3233849 A	
(72) Inventor(s) Peter John Ginn	(58) Field of Search UK CL (Edition R) B7G INT CL ⁷ B64C 25/40	
(74) Agent and/or Address for Service Peter John Ginn 153 Waller Road, New Cross, LONDON, SE14 5LX, United Kingdom		

(54) Abstract Title
Rotating aircraft wheels prior to landing

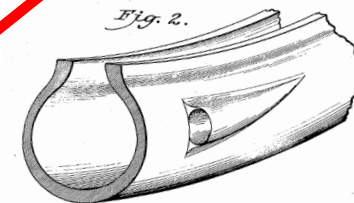
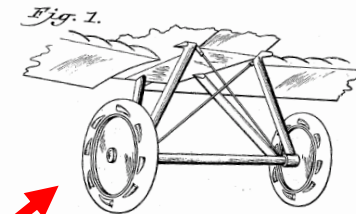
(57) An aircraft tyre or wheel is provided with pockets or ridges 6, which catch the airflow past the wheel and cause the wheel to rotate. The pockets/ridges may be formed in the tyre or an additional member for attachment to the wheel. Means may be provided for diverting air from a pocket into the wheel assembly for cooling purposes.

US-A-1833019 - 24.11.1931

Nov. 24, 1931.

J. A. FAUCHER ET AL
AIRPLANE TIRE
Filed Nov. 1, 1929

1,833,019

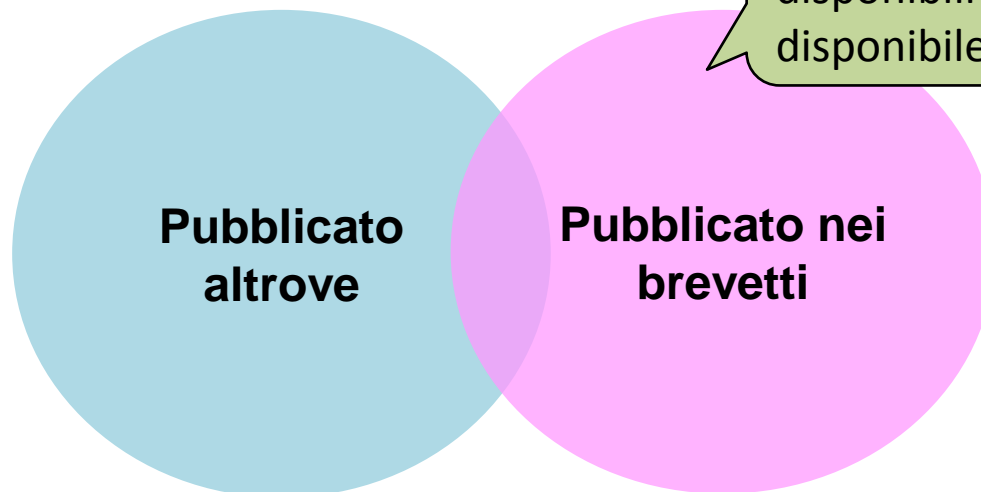


Per evitare duplicazioni dell'attività di ricerca

Per verificare la novità della propria invenzione

Per evitare di depositare brevetti privi di requisiti

Ricerca brevettuale: perché?



Circa l'80% delle informazioni disponibili nei brevetti non è disponibile altrove

Per conoscere lo stato dell'arte in un determinato settore tecnologico

Per monitorare le tendenze tecnologiche

Per individuare soluzioni esistenti a problemi tecnici

Ricerca brevettuale: quando?

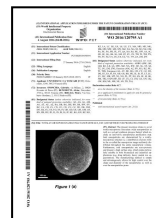
Prima di iniziare qualsiasi progetto per evitare duplicazioni

PROGETTO



Periodicamente durante lo sviluppo del progetto.

Prima del deposito della domanda di brevetto



Ricerca brevettuale: come?

Le ricerche brevettuali possono essere facili...

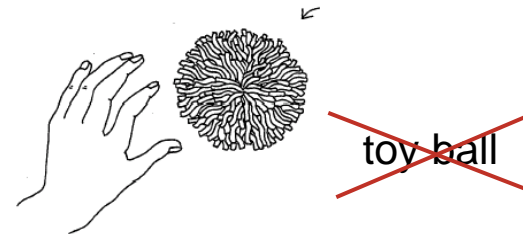


...ma è necessario conoscere alcune informazioni sul linguaggio brevettuale...

Ricerca brevettuale: come?

Attenzione alle ricerche per parole chiave!!!

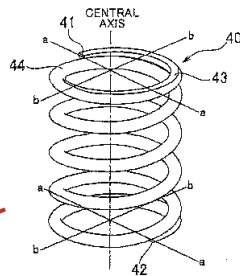
Il linguaggio brevettuale viene utilizzato per ampliare l'ambito di protezione del brevetto...



"spherical object with floppy filaments"

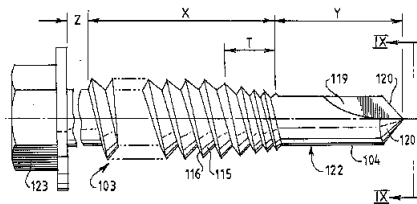
...oppure il richiedente semplicemente non vuole che la sua domanda di brevetto venga trovata

~~spring~~



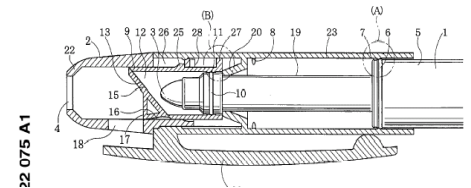
"energy-storing means"

~~nail, screw, rivet~~



"fastening means"

~~pen~~



"writing instrument"

Ricerche per parole chiave V/S ricerche per classe tecnologica

Ricerche per parole chiave

- Le domande di brevetto non usano un linguaggio comune:
 - Implicazioni legali
 - Ambito di protezione
 - Nascondersi dai concorrenti
- Difficile trovare le parole chiave giuste
- Buoni risultati di solito richiedono esperienza nelle ricerche brevettuali

Ricerche per classe tecnologica

- Ogni brevetto viene classificato da professionisti brevettuali
- Classificazioni gerarchiche e molto dettagliate
- Descrizioni delle classi facili da trovare e comprendere
- MA: le classi IPC potrebbero non corrispondere alle vostre esigenze al 100%

Ricerche combinate parole chiave + classificazioni

Ricerca brevettuale: come?

Laboratorio sull'uso delle banche dati brevettuali:

- Martedì 6 dicembre 2016 dalle ore 14.00 alle ore 17.30: presso il Learning Center della BAS.
- Laboratorio a numero chiuso, previa iscrizione entro il 30 novembre.



Formazione one-to-one









<https://docs.google.com/a/unive.it/forms/d/e/1FAIpQLSdO8vQ6ml5mKQdecgSPUdq7I sdce2dNiMHo3f0gxm2pw0BeyQ/viewform>

Ricerca brevettuale: dove?

Database commerciali

-  LexisNexis® → Total patent
-  minesoft → Patbase
-  ProQuest → Dialog
-  WIPS → WIPS Global
-  STN® → STN; CAS
-  THOMSON REUTERS → Thomson Innovation
-  Questel → Orbit

Database gratuiti


-  Europäisches Patentamt
European Patent Office
Office européen des brevets → Espacenet
-  WIPO → PatentScope
-  MINISTERO DELLO
SVILUPPO ECONOMICO → UIBM
-  Google → Patents
-  uspto → PatFT/AppFT
-  JPO
JAPAN PATENT OFFICE → J-Plat Pat

Disponibile a Ca' Foscari



Orbit

Prossimamente 1 postazione
nella biblioteca 

Se possibile 1 postazione
nella biblioteca 



A richiesta nei dipartimenti

Formazione per personale
tecnico amministrativo



Orbit

Ricerca avanzata per:

- Parole chiave
- Classificazione
- Richiedente/Inventore
- Numero, data, paese
- Legal status
- Etc.

Copertura: oltre 100 uffici di proprietà intellettuale (95 uffici nazionali e 6 uffici regionali: EPO, WIPO, OAPI, ARIPO, EAPO, e CCG)

Orbit.com Easy search Coverage details Guides & tutorials

Menu Explorer

Advanced 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
- CA FOSCARI 2010 - 11 (1)
- Quicklist (0)

Advanced search

Keywords

Title, Abstract, Claims, Description, (t) E.g.: Telecom+ OR phone

Classifications

and Technology domain

Names

Assignee (current - only latest) E.g.: Siemens Nixdorf

Inventor: E.g.: Fleming Alexander, Moyer Andrew

Representative: E.g.: Baker Botts

Numbers, dates & country

Publ. number us4378116

Date: No Restriction

Patents published in (patent authorities): E.g.: US, EP

Legal status

Status: No restriction (alive or dead)

Legal events: None

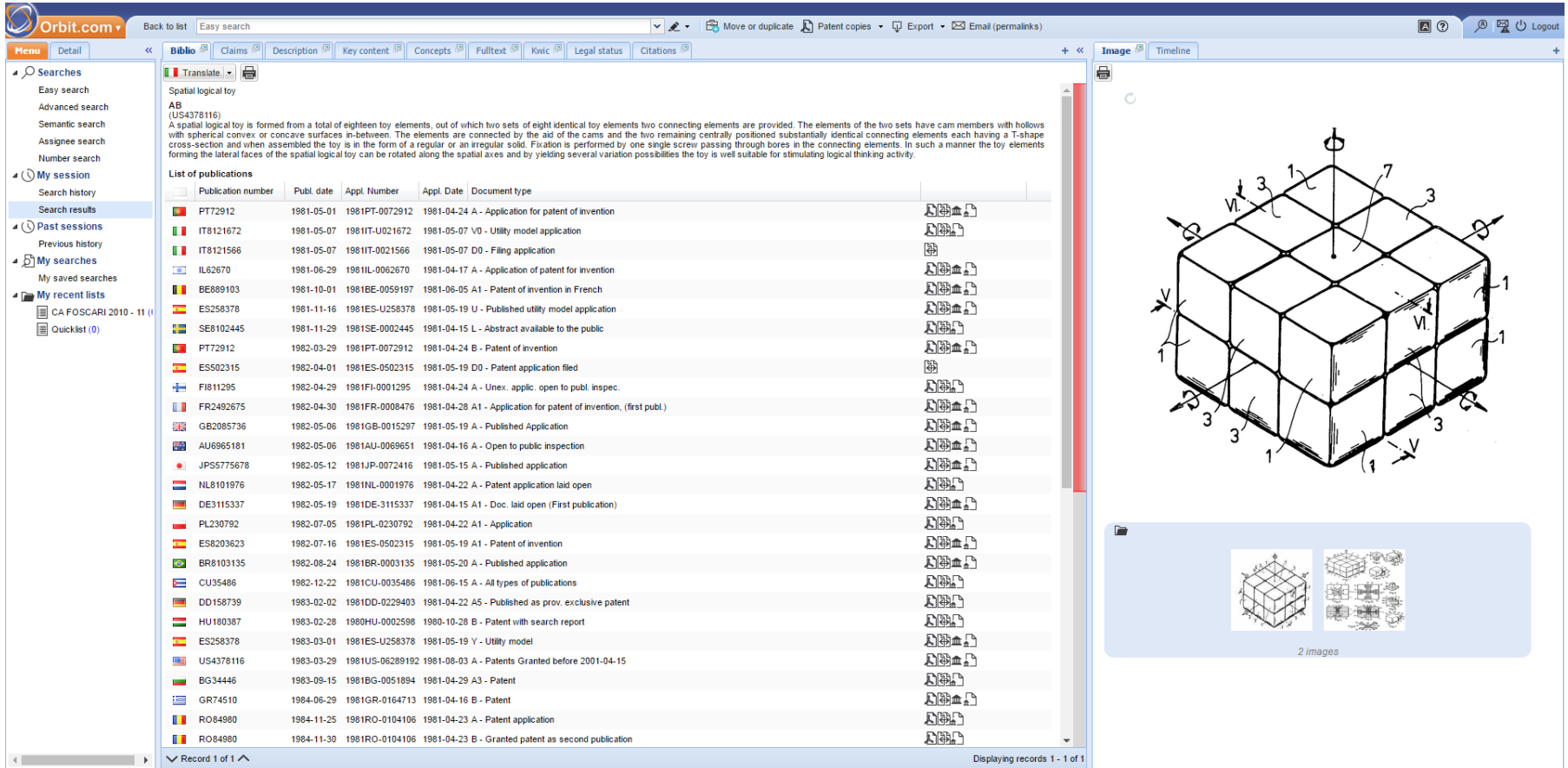
Expiration date: No Restriction

More fields

FamPat family number

Search Show cmd. line Create script Clear

Orbit



The screenshot displays the Questel Orbit patent database interface. The search results for 'Spatial logical toy' (AB US4378116) are shown, including a detailed description and a list of publications. The interface includes a navigation menu on the left, a search bar at the top, and a main content area with a table of publications and a large image viewer on the right.

Search results description:
 Spatial logical toy
 AB (US4378116)
 A spatial logical toy is formed from a total of eighteen toy elements, out of which two sets of eight identical toy elements two connecting elements are provided. The elements of the two sets have cam members with hollows with spherical convex or concave surfaces in-between. The elements are connected by the aid of the cams and the two remaining centrally positioned substantially identical connecting elements each having a T-shape cross-section and when assembled the toy is in the form of a regular or an irregular solid. Fixation is performed by one single screw passing through bores in the connecting elements. In such a manner the toy elements forming the lateral faces of the spatial logical toy can be rotated along the spatial axes and by yielding several variation possibilities the toy is well suitable for stimulating logical thinking activity.

List of publications:

Publication number	Publ. date	Appl. Number	Appl. Date	Document type
PT72912	1981-05-01	1981PT-0072912	1981-04-24 A	Application for patent of invention
IT8121672	1981-05-07	1981IT-U021672	1981-05-07 V0	Utility model application
IT8121566	1981-05-07	1981IT-0021566	1981-05-07 D0	Filing application
IL62670	1981-06-29	1981IL-0062670	1981-04-17 A	Application of patent for invention
BE889103	1981-10-01	1981BE-0059197	1981-06-05 A1	Patent of invention in French
ES258378	1981-11-16	1981ES-U258378	1981-05-19 U	Published utility model application
SE8102445	1981-11-29	1981SE-0002445	1981-04-15 L	Abstract available to the public
PT72912	1982-03-29	1981PT-0072912	1981-04-24 B	Patent of invention
ES502315	1982-04-01	1981ES-0502315	1981-05-19 D0	Patent application filed
FI811295	1982-04-29	1981FI-0001295	1981-04-24 A	Unex. applic. open to publ. inspec.
FR2492675	1982-04-30	1981FR-0008476	1981-04-28 A1	Application for patent of invention, (first publ.)
GB2085736	1982-05-06	1981GB-0015297	1981-05-19 A	Published Application
AU6965181	1982-05-06	1981AU-0069651	1981-04-16 A	Open to public inspection
JPS5775678	1982-05-12	1981JP-0072416	1981-05-15 A	Published application
NL8101976	1982-05-17	1981NL-0001976	1981-04-22 A	Patent application laid open
DE3115337	1982-05-19	1981DE-3115337	1981-04-15 A1	Doc. laid open (First publication)
PL230792	1982-07-05	1981PL-0230792	1981-04-22 A1	Application
ES8203623	1982-07-16	1981ES-0502315	1981-05-19 A1	Patent of invention
BR8103135	1982-08-24	1981BR-0003135	1981-05-20 A	Published application
CU35486	1982-12-22	1981CU-0035486	1981-06-15 A	All types of publications
DD158739	1983-02-02	1981DD-0229403	1981-04-22 A5	Published as prov. exclusive patent
HU180387	1983-02-28	1980HU-0002598	1980-10-28 B	Patent with search report
ES258378	1983-03-01	1981ES-U258378	1981-05-19 Y	Utility model
US4378116	1983-03-29	1981US-06289192	1981-08-03 A	Patents Granted before 2001-04-15
BG34446	1983-09-15	1981BG-0051894	1981-04-29 A3	Patent
GR74510	1984-06-29	1981GR-0164713	1981-04-16 B	Patent
RO84980	1984-11-25	1981RO-0104106	1981-04-23 A	Patent application
RO84980	1984-11-30	1981RO-0104106	1981-04-23 B	Granted patent as second publication

Image viewer: The image viewer on the right shows a 3D perspective drawing of a cube-like structure composed of smaller blocks. The drawing is annotated with numbers (1, 3, 7) and letters (V, VI) indicating specific parts and views of the toy. Below the main image, there are two smaller thumbnail images and the text '2 images'.

LexisNexis Academic

Ricerca per:

- Parole chiave
- Numero
- Data
- Richiedente/Inventore

LexisNexis® Academic

Patent Search

Search by Subject or Topic

Enter Search Terms or Patent Number Search

Advanced Options ▶

Date
From
to
Or
Select

Build Your Own Segment Search ?

Select a Segment ▼

Useful when you need to narrow your search to something specific, like a legal citation, an author's name, or a word in the headline. For example: HEADLINE(Congress w/5 budget)

Sources

<input checked="" type="checkbox"/> <input type="info"/> All Patents	<input type="checkbox"/> <input type="info"/> Plant Patents
<input type="checkbox"/> <input type="info"/> Combined US Patents	<input type="checkbox"/> <input type="info"/> European Patents
<input type="checkbox"/> <input type="info"/> Utility Patents	<input type="checkbox"/> <input type="info"/> Japan Patent Abstracts
<input type="checkbox"/> <input type="info"/> Design Patents	<input type="checkbox"/> <input type="info"/> Patent Cooperation Treaty Applications

Copertura

Espacenet

The screenshot shows the Espacenet advanced search page. At the top, there are logos for the European Patent Office and the text 'Espacenet Patent search'. Below this, there are navigation tabs for 'Search', 'Result list', 'My patents list (0)', 'Query history', 'Settings', and 'Help'. The main search area is titled 'Advanced search' and includes a dropdown menu for 'Select the collection you want to search in' (set to 'Worldwide - collection of published applications from 90+ countries'). There are several input fields for search criteria: 'Enter keywords' (with 'plastic and bicycle' entered), 'Title or abstract' (with 'hair' entered), 'Enter numbers with or without country code' (with 'WC2008014520', 'DE201310112935', and 'WO1995US15925' entered), 'Enter one or more dates or date ranges' (with '2014-12-31 or 20141231' entered), 'Enter name of one or more persons/organisations' (with 'Institut Pasteur' and 'Smith' entered), and 'Enter one or more classification symbols' (with 'F03G7/10' and 'H03M1/12' entered). A 'Search' button is at the bottom right.

90 milioni di documenti
brevettuali

Copertura quasi mondiale

Ricerca avanzata per:

- Parole chiave
- Numero
- Data
- Richiedente/Inventore
- Classificazione

Espacenet



Espacenet Patent search

Deutsch English Français
Contact
Change country ▾

← About Espacenet Other EPO online services ▾

Search Result list **★ My patents list (0)** Query history Settings Help

Refine search → Results → US5184830 (A)

US5184830 (A)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Quick help —

- [What is meant by high quality text as facsimile?](#)
- [What does A1, A2, A3 and B stand for after a European publication number?](#)
- [What happens if I click on "In my patents list"?](#)
- [What happens if I click on the "Register" button?](#)
- [Why are some sidebar options deactivated for certain documents?](#)
- [How can I bookmark this page?](#)
- [Why does a list of documents with the heading "Also published as" sometimes appear, and what are these documents?](#)
- [Why do I sometimes find the abstract of a corresponding document?](#)
- [What happens if I click on the red "patent translate" button?](#)
- [What is Global dossier?](#)

Bibliographic data: US5184830 (A) — 1993-02-09

★ In my patents list Report data error

Compact hand-held video game system

Page bookmark [US5184830 \(A\) - Compact hand-held video game system](#)

Inventor(s): OKADA SATORU [JP]; KOJO SHIN [JP] ±

Applicant(s): NINTENDO CO LTD [JP] ±

Classification:
- international: [A63F13/10](#); [G06F1/00](#); [G06F21/00](#); (IPC-1-7): A63F9/22
- cooperative: [A63F13/10](#); [A63F13/73](#); [A63F13/92](#); [A63F13/95](#); [G06F21/31](#); [G06F21/79](#); [A63F2300/201](#); [A63F2300/204](#); [A63F2300/206](#)

Application number: US19920899179 19920615

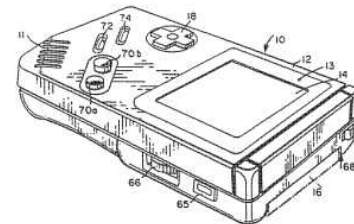
Priority number(s): [US19920899179 19920615](#); [JP19890004452 19890110](#); [JP19890101028 19890420](#); [US19900462400 19900108](#)

Also published as: [US5184830 \(X6\)](#)

Abstract of US5184830 (A)

Translate this text into
 powered by EPO and Google

A hand-held electronic game machine for use with attachable/detachable memory game packs wherein the game machine includes a case of a size which may be held by a hand and capable of being sandwiched by both hands with a first switch disposed at a position such that during a game it can be operated by one thumb on a front surface of the case, a second switch disposed at a position such that during a game it can be operated by the other thumb on the first surface of the case and a third operation switch means provided in a region of said front surface where imaginary loci of both thumbs intersect with each other on the front surface, and wherein the game machine can be connected with others for simultaneous multiple player competition.





PATENTSCOPE



PATENTSCOPE

Mobile | Deutsch | Español | Français | 日本語 | 한국어 | Português | Русский | 中文 | العربية

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News User: greta.bonetto@un

Home > IP Services > PATENTSCOPE

Field Combination

	Front Page ▾	=	<input type="text"/>	
AND ▾	WIPO Publication Number ▾	=	<input type="text"/>	
AND ▾	Application Number ▾	=	<input type="text"/>	
AND ▾	Publication Date ▾	=	<input type="text"/>	
AND ▾	English Title ▾	=	<input type="text"/>	
AND ▾	English Abstract ▾	=	<input type="text"/>	
AND ▾	Applicant Name ▾	=	<input type="text"/>	
AND ▾	International Class ▾	=	<input type="text"/>	
AND ▾	Inventor Name ▾	=	<input type="text"/>	
AND ▾	Office Code ▾	=	<input type="text"/>	
AND ▾	English Description ▾	=	<input type="text"/>	
AND ▾	English Claims ▾	=	<input type="text"/>	
AND	Licensing availability	=	<input type="checkbox"/>	
AND	Inventor Name ▾	Is Empty:	<input checked="" type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No	

Copertura:

- Domande PCT
- Brevetti nazionali e regionali (57,600,000)

Language: ▾ Stem: Office: All Specify ⇌

0 results

(+) Add another search field | (-) Reset search fields Tooltip Help

PATENTSCOPE

PATENTSCOPE
Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search
Browse
Translate
Options
News
Login
Help

Home > IP Services > PATENTSCOPE

Machine translation

1. (WO2009041817) FLOOR SUITABLE FOR GENERATING, CONVERTING AND/OR STORING ENERGY

PCT Biblio. Data	Description	Claims	National Phase	Notices	Drawings	Documents
<p style="font-size: 0.8em; margin: 0;">Latest bibliographic data on file with the International Bureau PermaLink</p>						
Pub. No.:	WO/2009/041817	International Application No.:		PCT/NL2008/050621		
Publication Date:	02.04.2009	International Filing Date:		26.09.2008		
IPC:	F03G 7/08 (2006.01), F15B 21/14 (2006.01)					
Applicants:	SU STAINABLE DANCE CLUB B.V. [NL/NL]; Pannekoekstraat 106 NL-3011 LL Rotterdam (NL) <i>(For All Designated States Except US)</i> . BREZET, Johannes Cornelis [NL/NL]; (NL) <i>(For US Only)</i> . VAN DOORN, Alijd Johanna [NL/NL]; (NL) <i>(For US Only)</i> . VAN DONGEN, Stef [NL/NL]; (NL) <i>(For US Only)</i> . RANDAG, Anouk [NL/NL]; (NL) <i>(For US Only)</i> . JANSEN, Arend Jan [NL/NL]; (NL) <i>(For US Only)</i> . PAULIDES, Johannes, Jacobus, Hubertus; (NL) <i>(For US Only)</i> . JANSEN, Jacob, Willem; (NL) <i>(For US Only)</i> . LOMONOVA, Elena, Andreevna; (NL) <i>(For US Only)</i>					
Inventors:	BREZET, Johannes Cornelis; (NL). VAN DOORN, Alijd Johanna; (NL). VAN DONGEN, Stef; (NL). RANDAG, Anouk; (NL). JANSEN, Arend Jan; (NL). PAULIDES, Johannes, Jacobus, Hubertus; (NL). JANSEN, Jacob, Willem; (NL). LOMONOVA, Elena, Andreevna; (NL)					
Agent:	HATZMANN, M.J.; Vereenigde Johan de Wittlaan 7 NL-2517 JR Den Haag (NL)					
Priority Data:	1034439 28.09.2007 NL					
Title	(EN) FLOOR SUITABLE FOR GENERATING, CONVERTING AND/OR STORING ENERGY (FR) SOL QUI CONVIENT POUR GÉNÉRER, CONVERTIR ET/OU STOCKER DE L'ÉNERGIE					
Abstract:	(EN) The invention concerns a floor suitable for generating, converting and/or storing energy, wherein this energy can be generated, converted and/or stored by placing and/or displacing mass thereon, wherein the floor can comprise discrete modules (2), each with an own energy generation system. The discrete modules (2) are couplable in different configurations and form a floor which may or may not be continuous. (FR) L'invention concerne un sol qui convient pour générer, convertir et/ou stocker de l'énergie, cette énergie pouvant être générée, convertie et/ou stockée en plaçant et/ou déplaçant une masse sur celui-ci. Le sol peut comprendre des modules discrets (2), chacun ayant un système de génération d'énergie propre. Les modules discrets (2) peuvent être couplés selon différentes configurations et forment un sol qui peut être, ou ne pas être, continu.					
Designated States:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW. African Regional Intellectual Property Organization (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW) Eurasian Patent Organization (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM) European Patent Office (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR) African Intellectual Property Organization (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).					
Publication Language:	English (EN)					
Filing Language:	English (EN)					



Google Patents

Ricerca semplice



Include non-patent literature (Google Scholar)

Patent offices JP CN US EP WO DE GB KR FR CA
ES RU NL FI DK LU BE

Copertura

Ricerca avanzata per:

- Parole chiave e classificazioni
- metadata (inventore, richiedente, date, etc)
- Numero di brevetto o di domanda

Google Patents

SEARCH TERMS ?

+ Search term or CPC

SEARCH FIELDS

Before priority YYYY-MM-DD

+ Assignee

MORE ^

After filing YYYY-MM-DD

+ Inventor

+ Patent office

+ Language

+ Filing status

+ Patent type

+ Citing patent

+ CPC

Google Patents



SEARCH TERMS ?

+ Search term or CPC

SEARCH FIELDS

Before priority YYYY-MM-DD

+ Assignee

MORE ^

After filing YYYY-MM-DD

+ Inventor

+ Patent office

+ Language

+ Filing status

+ Patent type

+ Citing patent

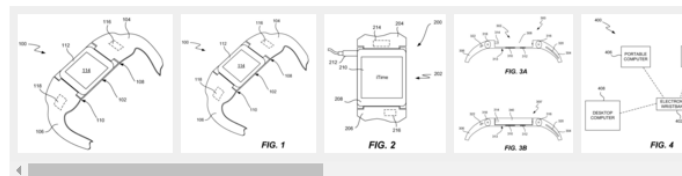
+ CPC

Wrist-worn electronic device and methods therefor

Abstract

Embodiments of electronic wristwatches are disclosed. According to one embodiment, an electronic wristband can provide additional electrical circuitry or devices that can be made available for use as with an electronic device. In one embodiment, the electronic device can be a mobile electronic device that can be removably coupled to the electronic wristband which provides the additional circuitry or devices. Advantageously, the electronic device can utilize the additional electrical circuitry or devices provided within the electronic wristband to augment the capabilities of the electronic device. In another embodiment, the electronic device can be integrally formed with the electronic wristband which provides the additional circuitry or devices.

Images (8)



Classifications

G06F3/017 Gesture based interaction, e.g. based on a set of recognized hand gestures

View 6 more classifications

Description

CROSS-REFERENCE TO RELATED APPLICATION

This application claims priority to U.S. Provisional Patent Application No. 61/438,105, filed Jan. 31, 2011, entitled "WRIST-WORN ELECTRONIC DEVICE AND METHODS THEREFOR," which is herein incorporated by reference.

BACKGROUND OF THE INVENTION

Portable electronic devices are commonplace today. Some examples of portable

US8787006B2

US Grant

Download PDF Find Prior Art

Legal status: Active, expires 2032-08-04

Application number: US13187310

Other versions: US20120194976A1 (Application)

Inventor: Albert J. Golko, Mathias W. Schmidt, Felix Alvarez

Current Assignee: Apple Inc

Original Assignee: Apple Inc

Priority date: 2011-01-31

Filing date: 2011-07-20

Publication date: 2014-07-22

Grant date: 2014-07-22

Info: Patent citations (19), Non-patent citations (1), Cited by (31), Also published as (2), Legal events, Similar documents

External links: USPTO, USPTO Assignment, Espacenet, Global Dossier, Discuss

Claims (25)

What is claimed is:

1. An electronic wristband to be worn on a wrist of a user, the electronic wristband comprising:

a central portion having a receptacle area configured to receive and electrically connect to a mobile electronic device, the mobile electronic device including a display and being independently useable apart from the electronic wristband to perform a first set of functions; and

UIBM:

Depositi nazionali titoli PI

MINISTERO DELLO SVILUPPO ECONOMICO

**DIREZIONE GENERALE LOTTA ALLA CONTRAFFAZIONE
UFFICIO ITALIANO BREVETTI E MARCHI**

Sei in: [dati](#) / [Ricerca avanzata](#) [altre ricerche: [Codice](#) [Data](#) [Provincia](#) [Testo](#) [Titolare](#) [Classe](#) [Ricerca avanzata](#)]

La ricerca riguarda le domande depositate tra il **1 gennaio 1980** e il **08 novembre 2016**,
ad eccezione delle ricerche per **titolare** e **priorità**, dove la data di partenza è il **1 ottobre 1989**.

Per le **invenzioni** e i **modelli di utilità**, non sono prese in considerazione le domande coperte da **segreto Militare**.

Scegliere la tipologia: Invenzioni Marchi Disegni Modelli di utilità

Abilita la ricerca per **data** (o intervallo di date). Impostazione predefinita (con ricerca per data **disabilitata**): **1 gennaio 1980 / 08 novembre 2016**.

Abilita la ricerca per **testo** (nel Titolo e nella Descrizione).

Abilita la ricerca per **titolare**.

Abilita la ricerca per **inventore**.

Abilita la ricerca per **Classificazione delle Invenzioni Industriali e Modelli di Utilità - C.I.B.**

Abilita la ricerca per **priorità**.

W3C XHTML 1.0

Ufficio Italiano Brevetti e Marchi - Realizzazione: Andrea Facchini, Lidio Maresca, Andrea Pascucci - © 2008
Dal 27 ottobre 2008: 31923759 accessi all'area dati. Sessioni attualmente aperte: 770

Copertura: Italia da
1 gennaio 1980

Ricerca per:

- Numero
- Data
- Testo
- Titolare
- Inventore
- Classificazione
- Priorità

Depositi nazionali titoli PI

Visualizza Scheda (Domanda: 102015902324128 (PD2015A000015) - Tipologia: Invenzioni - unico risultato)

La ricerca ha prodotto un solo risultato.

N.B. Non tutte le schede riportano la medesima struttura poichè essa è strettamente correlata alla tipologia trattata.

Sono state ricercate le Domande depositate e i Brevetti concessi
dal **1 gennaio 1980** al **08 novembre 2016** (Data di Aggiornamento).
La ricerca è stata effettuata in **0,412** secondi.

Visualizza Info

Solo dati bibliografici

Stampa la domanda

Inserisci questa scheda - relativa alla domanda n. 102015902324128 (PD2015A000015) - nell'elenco personalizzato

Data Deposito 28 gennaio 2015	N. Brevetto -	Data Brevetto -
Stato Domanda non assegnata	Anticipata accessibilità no	Data di Pubblicazione 29 luglio 2016
Titolo nanoparticelle di zirconia mesoporosa, sintesi ed uso delle stesse		
Richiedente UNIVERSITA' CA' FOSCARI VENEZIA (VE) 		Inventori BENEDETTI ALVISE RIELLO PIETRO SPONCHIA GABRIELE
Studio UNIVERSITA' CA' FOSCARI	Indirizzo DORSODURO 3246 30123 VENEZIA (VE) 	
Centro raccolta colture microrganismi -		

Classi

Codice Classi
-

Priorità

Nazione	Numero domanda	Data domanda
-	-	-

CCP/CCPF

Nel database non sono state trovate domande di CCP o CC PF

Conversione della domanda

Nel database non risultano pervenute domande di trasformazione o di deposito contemporaneo.

Annotazioni



Nel database non sono state trovate annotazioni per questa domanda

Trascrizioni

Nel database non sono state trovate trascrizioni per questa domanda

Database dei brevetti italiani

Ufficio Italiano Brevetti e Marchi - Database Brevetti nazionali

Home **Ricerca testuale** Ricerca per classificazione AAA  

Ricerca testuale

Ricerca

Trova risultati

con tutte le parole

con la frase esatta

con almeno una delle parole

che non contengano le parole

con data di deposito da a

Avvia ricerca

Testo brevettuale
completo

Copertura: Italia da 1 luglio
2008, in aggiornamento

Pochi campi di ricerca:

- Parole chiave
- Classificazione

Database dei brevetti italiani



Home Ricerca testuale Ricerca per classificazione AAA

Ricerca testuale

Ricerca

Trova risultati	con tutte le parole	<input type="text" value="AUTOMOBILE CON PARTE SUPERIORE INTERCAMBIABILE"/>
	con la frase esatta	<input type="text"/>
	con almeno una delle parole	<input type="text"/>
	che non contengano le parole	<input type="text"/>
	con data di deposito	da <input type="text"/> a <input type="text"/>

Avvia ricerca

Navigazione dinamica

Risultati mostrati: 1-10

Pagina: 1 2

Titolare

aep advanced engineering projects s.r.l. (1)
amirim products development & patent s.r.l. (1)
cuce' giorgio (1)
de biaggi andrea (1)
deparia engineering s.r.l. (1)

Più

Inventore

becattini giovanni (1)
benvenuti angelo (1)
cohen amir (1)
cuce' antonio (1)
cuce' giorgio (1)

Più

1. AUTOMOBILE CON PARTE SUPERIORE INTERCAMBIABILE

Numero deposito: BO2011A000627
Titolare/i: FERRARI S.P.A.

Rilevanza: ★★★★★★

... da un piccolo preparatore di Matteo MACCAGNAN (Iscrizione Albo N. 98 7/3110 **automobili** ... dell'**automobile** | permettendo di ottenere una ? personalizzazione? molto spinta dell'**automobile** 1 stessa. ... la sostituzione del telaio 10 secondario di primo equipaggiamento (?standard?) **con** un diverso ...

Dettagli

Inventore/i: STEFANI GIOVANNI
Data deposito: 4/11/2011
Data concessione: 13/6/2014
Numero concessione: 0001408236
Classificazione: B62D 23/00, B62D 25/06, B62D 27/06, B62D 63/02
Collegamento a BD Nazionale: [Visualizza scheda](#)
Collegamento a Espacenet: [Visualizza scheda](#)

Documenti inviati per ricerca di anteriorità

Descrizione in Inglese
Descrizione in Italiano
Disegni definitivi
Rivendicazioni in Inglese
Rivendicazioni in Italiano

Documenti definitivi




Argomentazioni
Descrizione in italiano - definitiva
Rapporto di ricerca EPO
Rivendicazioni in italiano - definitive

Testo brevettuale
completo



E per le formule chimiche?

Ricerca per **struttura chimica**

Database commerciali

-  **CAS**
A DIVISION OF THE
AMERICAN CHEMICAL SOCIETY → Scifinder
-  → Reaxys
-  **THOMSON REUTERS** → Pharma

Database gratuiti

-  → SureChEMBL
-  → PatentScope

Reaxys

The screenshot displays the Reaxys web interface. At the top, there is a navigation bar with the Reaxys logo and a 'New Reaxys' button. Below this is a menu with options: Query, Results, Synthesis Plans, History, Report, My Alerts, My Settings, and Help. A 'Start Over' button is also present. The main search area features an 'Ask Reaxys' input field with a placeholder text 'e.g. Ask Reaxys about the substance 'Atenolol'' and a link to 'Smart searching with Ask Reaxys. See examples >'. Below the search bar is a row of icons for 'Reactions', 'Substances', 'Literature', 'Product', and 'Advanced'. A 'Structure' search window is open, showing the 'MarvinJS by ChemAxon' logo and a 'STRUCTURE EDITOR' button. The window contains a 'Create Structure Template from Name' section with several search criteria: Reaxys Registry Number, CAS Registry Number, Chemical Name, and Element Symbols. Each criterion has a dropdown menu and a 'Lookup' button. There are also 'Show AND Buttons' and 'Basic Indexes' sections. A 'Search Substances' button is located at the bottom right of the interface.

Ricerca per
struttura chimica

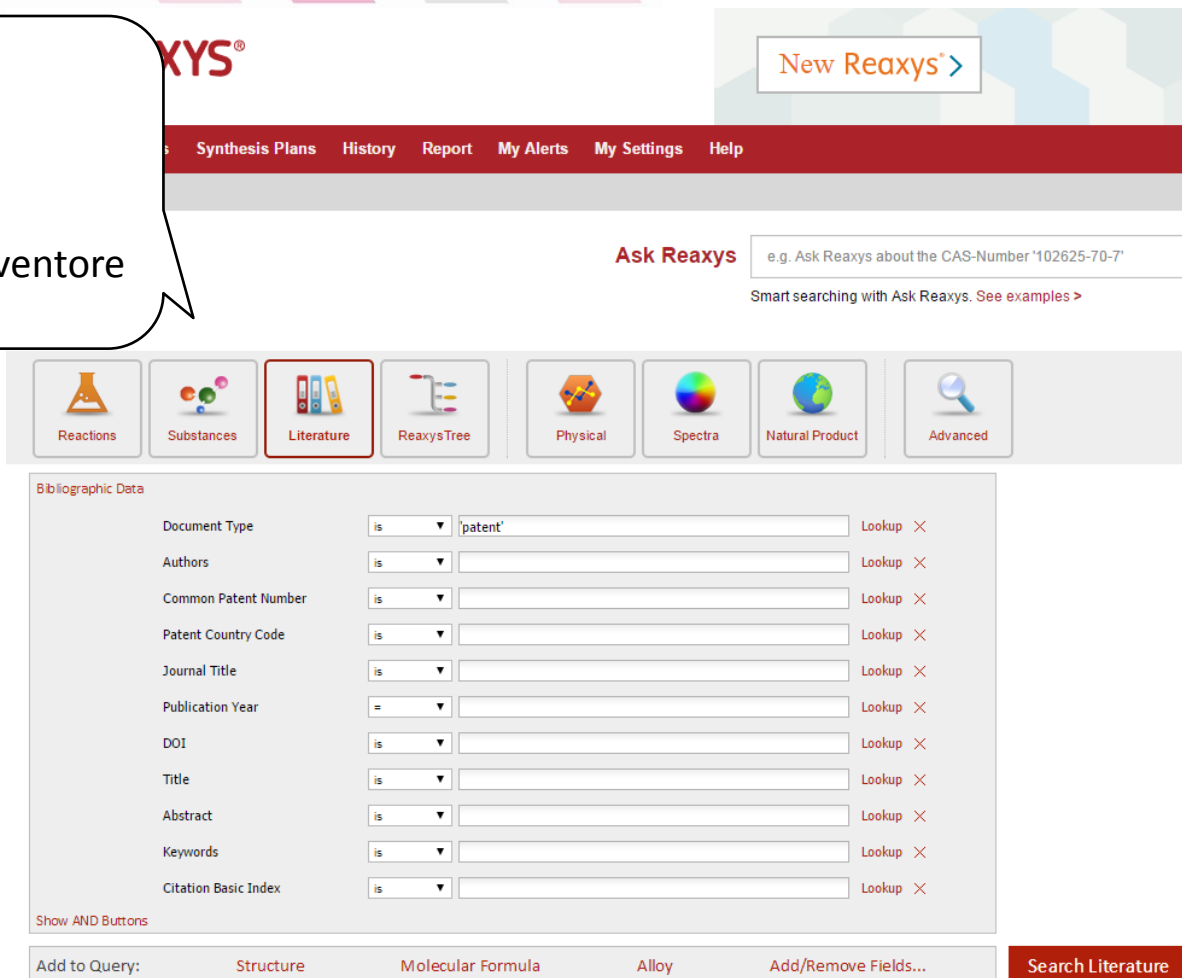
Ricerca per nome
della sostanza,
CAS number, ...

Copertura: USPTO,
EPO, WIPO

Reaxys

Ricerca per:

- Parole chiave
- Numero
- Data
- Richiedente/Inventore
- Classificazione



The screenshot shows the Reaxys web interface. At the top, there is a navigation bar with links for Synthesis Plans, History, Report, My Alerts, My Settings, and Help. Below this is a search bar with the text "Ask Reaxys" and a placeholder "e.g. Ask Reaxys about the CAS-Number '102625-70-7'". A button labeled "New Reaxys" is also visible. Below the search bar is a row of icons for different search categories: Reactions, Substances, Literature (highlighted), ReaxysTree, Physical, Spectra, Natural Product, and Advanced. Below the icons is a "Bibliographic Data" section with a table of search criteria:

Field	Operator	Value	Action
Document Type	is	patent	Lookup X
Authors	is		Lookup X
Common Patent Number	is		Lookup X
Patent Country Code	is		Lookup X
Journal Title	is		Lookup X
Publication Year	=		Lookup X
DOI	is		Lookup X
Title	is		Lookup X
Abstract	is		Lookup X
Keywords	is		Lookup X
Citation Basic Index	is		Lookup X

Below the table is a "Show AND Buttons" link. At the bottom of the interface, there is a "Search Literature" button and a row of buttons for "Add to Query:", "Structure", "Molecular Formula", "Alloy", and "Add/Remove Fields...".

Ricerca per:

- Parole chiave
- Numero
- Data
- Richiedente/Inventore
- Classificazione

SureChEMBL

Enter your SureChEMBL query

SureChEMBL Query Help | Quick Reference Guide | Patent Number Search | Clear form | Field Search

Marvin JS
ChemAxon

SELECT STRUCTURE SEARCH

- Substructure
- Similarity
- Identical

FILTER BY MOLECULAR WEIGHT

0 to 800

SEARCH FOR STRUCTURE IN DOC SECTION(S)

- All
- Title or Abstract
- Claims
- Description
- Images

PATENT AUTHORITIES

- All chemically annotated authorities
- US Applications
- US Granted
- EP Applications
- EP Granted
- WO
- JP
- All authorities (inc. DocDB)

PUBLICATION DATE

Example: YYYYMMDD; YYYY; YYYYMMDD TO YYYYMMDD; YYYY TO YYYY

Search

Our Chemistry Annotation Coverage
Chemistry annotations for US, EP, WO full text and JP abstracts are now available as follows:

Structures from text: from Jan 1, 1976 to Nov 10, 2016

Structures from images: from Jan 1, 2007 to Nov 10, 2016

Ricerca per
struttura chimica

Copertura:
USPTO, EPO,
WIPO, JPO

SureChEMBL

Enter your SureChEMBL query

[SureChEMBL Query Help](#) | [Quick Reference Guide](#) | [Patent Number Search](#) | [Clear form](#) | [Field Search](#)

Ricerca per struttura chimica

SELECT STRUCTURE SEARCH

- Substructure
- Similarity
- Identical

FILTER BY MOLECULAR WEIGHT

0 to 800

SEARCH FOR STRUCTURE IN DOC SECTION(S)

- All
- Title or Abstract
- Claims
- Description
- Images

PATENT AUTHORITIES

- All chemically annotated authorities (?)
- US Applications
- US Granted
- EP Applications
- EP Granted
- WO
- JP
- All authorities (inc. DocDB) (?)

PUBLICATION DATE

Example: YYYYMMDD; YYYY; YYYYMMDD TO YYYYMMDD; YYYY TO YYYY

Search

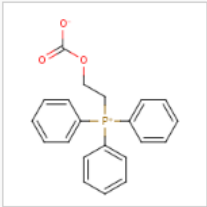
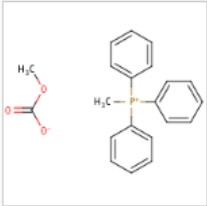
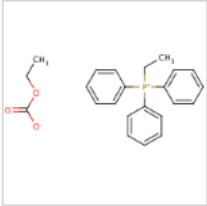
Our Chemistry Annotation Coverage
Chemistry annotations for US, EP, WO full text and JP abstracts are now available as follows:

Structures from text:	from Jan 1, 1976 to Nov 10, 2016
Structures from images:	from Jan 1, 2007 to Nov 10, 2016

[Search form help](#)

SureChEMBL

Showing 1-3 of 3 total structure results View results as: [Matrix](#) | [Table](#)

Check	Structure image	Chemical information	Mol weight	UniChem Cross References
<input type="checkbox"/>		<p>SCHEMBL112783</p> <p>Name: 2-(triphenylphosphonium)ethyl carbonate</p> <p>SMILES: <chem>[O-]C(=O)OCC[P+](C1=CC=CC=C1)(C1=CC=CC=C1)C1=CC=CC=C1</chem></p> <p>InChi Key: JPHPFXHEWMPQA-UHFFFAOYSA-N</p> <p>InChI=1S/C21H19O3P/c22-21(23)24-16-17-25(18-10-4-1-5-11-18,19-12-6-2-7-13-19)/20-14-8-3-9-15-20/h1-15H,16-17H2</p>	350.347	Fetch UniChem cross references
<input type="checkbox"/>		<p>SCHEMBL7579915</p> <p>Name: methyltriphenylphosphonium methyl carbonate</p> <p>SMILES: <chem>COC([O-])=O.C[P+](C1=CC=CC=C1)(C1=CC=CC=C1)C1=CC=CC=C1</chem></p> <p>InChi Key: FALLFMKOBMQNQ-UHFFFAOYSA-M</p> <p>InChI=1S/C19H18PC2H4O3/c1-20(17-11-5-2-6-12-17,18-13-7-3-8-14-18)19-15-9-4-10-16-19;1-5-2(3)4/h2-16H,1H3;1H3,(H,3,4)/q+1;/p-1</p>	352.363	Fetch UniChem cross references
<input type="checkbox"/>		<p>SCHEMBL11657895</p> <p>Name: ethyltriphenylphosphonium ethyl carbonate</p> <p>SMILES: <chem>CCOC([O-])=O.CC[P+](C1=CC=CC=C1)(C1=CC=CC=C1)C1=CC=CC=C1</chem></p> <p>InChi Key: JFWQECPEKIBS-UHFFFAOYSA-M</p> <p>InChI=1S/C20H20PC3H6O3/c1-2-21(18-12-6-3-7-13-18,19-14-8-4-9-15-19)20-16-10-5-11-17-20;1-2-6-3(4)5/h3-17H,2H2,1H3;2H2,1H3,(H,4,5)/q+1;/p-1</p>	380.416	Fetch UniChem cross references

PATENTSCOPE

WIPO PATENTSCOPE

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search | Browse | Translate | Options | News | User: info@infoch

Simple
Advanced Search
Field Combination
Cross-Lingual Expansion
Chemical compounds

Front Page [?] Office: All Search

PCT Publication 36/2016 (2016/09/09) is now available. The next publication date is scheduled as follows: Gazette number 37/2016 (2016/09/15). [More](#)

È necessario loggarsi

Copertura: WIPO e USPTO

WIPO PATENTSCOPE

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

Search Browse Translate Options News User: greta.bonetto@unive.it Help

Home > IP Services > PATENTSCOPE

Chemical compounds search [Help]

Structure editor Convert structure Upload structure

Ricerca per nome della sostanza

Ricerca per struttura chimica

Search Reset

Search for scaffold: Office: All Specify ⇌

Tooltip Help



E i marchi?

- Il marchio è un “segno” usato per distinguere i propri prodotti/servizi da quelli della concorrenza.
- <http://tmclass.tmdn.org/ec2/>
- Ambito di protezione: i prodotti e/o servizi della **Classificazione di Nizza** rivendicati.
 - Durata: 10 anni rinnovabili indefinitamente.
 - Validità territoriale: marchio italiano, europeo, internazionale.

E i marchi?

Requisiti di registrabilità

- Novità (rischio di confusione o associazione)
- Capacità distintiva (non generica denominazione del prodotto e/o servizio su cui verrà apposto)
- Liceità

Non possono essere registrati

- Marchi identici o simili ad un altro segno per prodotti o servizi identici o affini,
- Marchi identici o simili ad un marchio rinomato.



Prima di registrare un marchio:
ricerca di anteriorità.

Ricerca di anteriorità: dove?



The screenshot shows the TMview search interface. On the left, there is a sidebar with 'Share with a friend', 'Add TMview to my favourites', and 'News' sections. The main area is titled 'Find term' and contains a search bar with 'Search' and 'Clear' buttons. Below the search bar is a 'Basic search' section with various filters:

- Designated territories: - Select one or more designated territories -
- Trade mark offices: - Select one or more offices -
- Trade mark name: [Text input field]
- Fuzzy search: Fuzzy search (e.g. COLA*, *COLA, *COLA* etc.)
- Phrase search: Phrase search
- Application / registration number: [Text input field]
- Trade mark type: All
- Trade mark status: All
- Applicant name: [Text input field]
- Fuzzy search: Fuzzy search (e.g. JOHN*, *JOHN*, *JOHN* etc.)
- Nice class: [Text input field] (e.g. 12.13; 12.15; 1.14;20 etc.)
- Vienna code: [Text input field] (e.g. 01.03.06, 01.03.*)
- Opposition: Show only trade marks currently opposable
- Seniority: Show only trade marks with seniority claimed
- Application date: From [Date] To [Date]
- Registration date: From [Date] To [Date]
- Sort results by: Relevance
- Order results: Ascending

At the bottom right of the search area, there are 'Search' and 'Clear' buttons. Two green callout boxes on the right side of the interface contain the text: 'Database gratuito' and 'Copertura: principali uffici marchi'.

TMView

Find term

ca' foscari

Search

Clear

Advanced search

Filters

List of results

WIPO Global Brand DB												Page 1 of 1		10 20 30 50 75 100		Displaying results 1 - 13 of 13	
	Graphic representation	Trade mark name	Trade mark o...	Designated t...	Application number / ...	Trade mark status	Nice class	Applicant name	Application date	Trade mark type	Registration date	Senior					
		PAROLE "UNIVERSITA' "CA' FOSCARI" "VENEZIA" RACCHIUSE E INTERLINEATE DA QUATTRO LINEE RETTE ORIZZONTALI DELLA LUNGHEZZA DELLE MEDESIME, COME NELL'ESEMPLARE DI SEGUITO RIPRODOTTO PAROLE SCRITTE IN QUALSIASI COLORE, DIMENSIONE E CARATTERE DI STAMPA	IT	IT	VE2004C000152 0001128410	Registered	9,14,16,18,20,24,25,27,41,43	UNIVERSITA' CA' FOSCARI DI VENEZIA	16-06-2004	Undefined	22-07-2008						
		CA' FOSCARI PAROLE SCRITTE IN QUALSIASI COLORE, DIMENSIONE, CARATTERE DI STAMPA	IT	IT	VE2004C000156 0001128414	Registered	16,25	UNIVERSITA' CA' FOSCARI DI VENEZIA	16-06-2004	Undefined	22-07-2008						
		CA' FOSCARI PAROLE SCRITTE IN QUALSIASI COLORE, DIMENSIONE, CARATTERE DI STAMPA	IT	IT	VE2004C000155 0001128413	Registered	9,14,18,20,24,27,41,42,43	UNIVERSITA' CA' FOSCARI DI VENEZIA	16-06-2004	Undefined	22-07-2008						
		CA' FOSCARI INTERNATIONAL UNIVERSITY CENTRE - PAROLE SCRITTE IN QUALSIASI COLORE DIMENSIONE CARATTERE DI STAMPA	IT	IT	VE1994C000084 0000707889	Registered	16,25	UNIVERSITA' DEGLI STUDI DI VENEZIA	17-06-1994	Undefined	11-04-1997						
		CA' FOSCARI UNIVERSITY PRESS - PAROLE SCRITTE IN QUALSIASI COLORE DIMENSIONE E CARATTERE DI STAMPA	IT	IT	VE1994C000083 0000707888	Registered	16,25	UNIVERSITA' DEGLI STUDI DI VENEZIA	17-06-1994	Undefined	11-04-1997						
		CA' FOSCARI - PAROLE SCRITTE IN QUALSIASI COLORE DIMENSIONE CARATTERE DI STAMPA	IT	IT	VE1994C000082 0000707887	Registered	25,16	UNIVERSITA' DEGLI STUDI DI VENEZIA	17-06-1994	Undefined	11-04-1997						
		CA' FOSCARI UNIVERSITY MEDIA PAROLE SCRITTE IN QUALSIASI COLORE, DIMENSIONE E CARATTERE DI STAMPA	IT	IT	VE2004C000153 0001128411	Registered	24,9,16,25,27,38,41,42	UNIVERSITA' CA' FOSCARI DI VENEZIA	16-06-2004	Undefined	22-07-2008						
	CA'FOSCARI	CA'FOSCARI	US	US	77536849	Ended	33	Corte Giara Srl	01-08-2008	Word	-						
	CA' FOSCARI	CA' FOSCARI - E' COSTITUITO DALLA DENOMINAZIONE CA' FOSCARI SCRITTA IN CARATTERI SPECIALI	IT	IT	TV1998C000073 0000822901	Registered	11	TONON SPA	18-02-1998	Undefined	14-09-2000						
		Ca' Foscari Challenge School	EM	EM	011968658 011968658	Registered	9,14,15,16,18,24,25,27,41	Università Ca' Foscari Venezia	08-07-2013	Figurative	25-11-2013						



Ca' Foscari
University
of Venice

PINK
PROMOTING INNOVATION
AND KNOWLEDGE



GRAZIE PER L'ATTENZIONE ...DOMANDE?



GRETA BONETTO

Knowledge Transfer Manager

+39 041 234.8291

pink@unive.it