



AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Bazy patentowe – narzędzia EPO

Agnieszka Podrazik

**Akademia Górniczo-Hutnicza im. Stanisława Staszica
w Krakowie, Biblioteka Główna**

Warsztaty, Biblioteka Politechnik Łódzkiej, 28-29.03.2017

Agenda

- Dlaczego warto korzystać z informacji patentowej?
- Bezpłatne szkolenia z dziedziny informacji patentowej i ochrony własności przemysłowej
- Źródła literatury niepatentowej
 - naukowe bazy danych
 - WIPO Patent Landscapes
- Patentowe bazy danych
 - Espacenet
 - Global Patent Index
 - Derwent Innovation Index

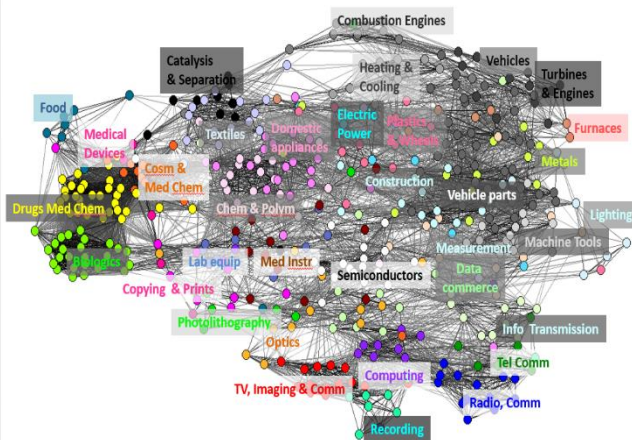
Dlaczego warto korzystać z informacji patentowej?



Wartość informacji patentowej

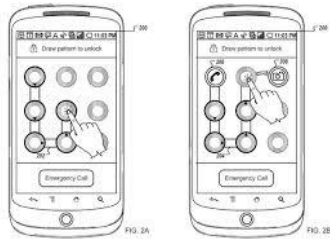
Najwcześniej
i najpełniej sygnalizuje
tendencje i zmiany
w technice światowej

- informacja aktualna i szybko publikowana (18 miesięcy od zgłoszenia)
- informacja szczegółowa i usystematyzowana
- wskazuje obszary prawnie chronione
- informacja bardzo obszerna
 - **ponad 90 mln** dokumentów patentowych opublikowanych do chwili obecnej
 - **prawie 3 mln** nowych zgłoszeń patentowych dokonywanych rocznie (źródło: WIPO)



Informacja patentowa to źródło:

informacji technicznej - istota wynalazku jest ujawniona w sposób jasny, jednoznaczny i zrozumiały dla znawcy danej dziedziny



informacji prawnej — stan prawny chronionych rozwiązań, zakres ochrony prawnej rozwiązań (ochrony przedmiotowej, czasowej, terytorialnej)

Claim No.	Ind.	Dep.
1.	Independent	1
2.	Dependent on claim 1	1
3.	Dependent on claim 2	1
4.	Dependent on claim 2 or 3	2
5.	Dependent on claim 4	2
6.	Dependent on claim 5	2
7.	Dependent on claim 4, 5 or 6	2
8.	Dependent on claim 7	2
9.	Independent	1
10.	Dependent on claim 1 or 9	2
11.	Dependent on claims 1 and 9	2
Total	2	13

informacji biznesowej — konkurencja, partnerzy, istniejące produkty, analiza rynku, trendy technologiczne, aktywność patentowa przedsiębiorstw

Wykorzystanie badań patentowych

- wyszukiwanie stanu techniki przed zgłoszeniem patentowym:
 - identyfikacja najbliższego stanu techniki,
 - ustalenie zakresu ochrony dla rozwiązania zgłaszanego do opatentowania
- uniknięcie niepotrzebnych kosztów na prowadzenie badań nad czymś co jest już znane
- zidentyfikowanie i ocena technologii, którą chcielibyśmy nabyć
- zidentyfikowanie alternatywnych technologii
- śledzenie najnowszych technologii z „naszej” dziedziny
- znalezienie gotowych rozwiązań technicznych problemów
- inspiracja dalszych pomysłów wynalazczych

Art. 24

Patenty są udzielane – bez względu na dziedzinę techniki – na wynalazki, które są **nowe**, posiadają **poziom wynalazczy** i nadają się do **przemysłowego stosowania**.

Art. 25

1. Wynalazek uważa się za **nowy**, jeśli nie jest on częścią **stanu techniki**.
2. Przez **stan techniki** rozumie się wszystko to, co przed datą, według której oznacza się pierwszeństwo do uzyskania patentu, **zostało udostępnione do wiadomości powszechnej w formie pisemnego lub ustnego opisu, przez stosowanie, wystawienie lub ujawnienie w inny sposób**.

Stu's Views

© Stu All Rights Reserved www.STUS.com



Daddy,
what's
"prior
art"?








Depends
on how good
the patent
attorney is.



Patentowe bazy danych – bezpłatne źródła informacji

- <http://worldwide.espacenet.com> - międzynarodowe
- <http://patentscope.wipo.int/search/en/search.jsf>- - międzynarodowe
- <http://depatisnet.dpma.de/DepatisNet> - niemieckie i międzynarodowe
- <http://patft.uspto.gov> - amerykańskie
- <http://www.google.com/patents> - amerykańskie, międzynarodowe
- <http://english.sipo.gov.cn> - chińskie
- <http://eng.kipris.or.kr/> - koreańskie
- www.j-platpat.inpit.go.jp/web/all/top/BTmTopEnglishPage - japońskie

Najważniejsze komercyjne bazy patentowe

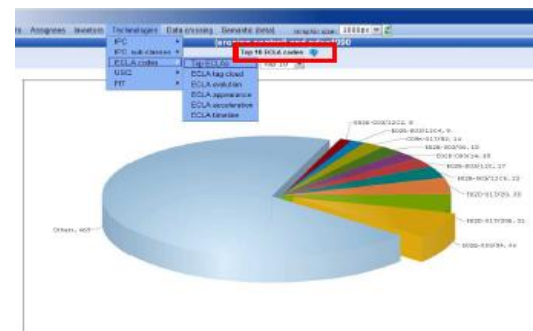
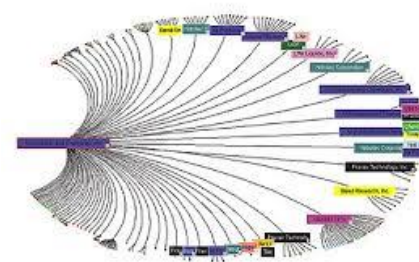
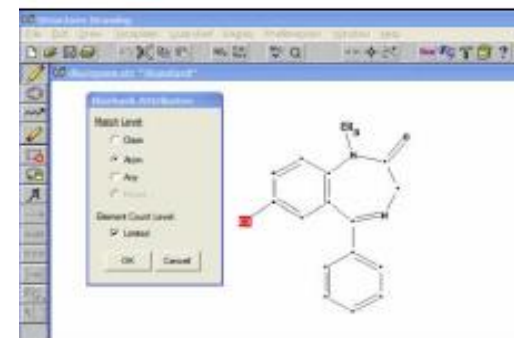
 LexisNexis®	→	TotalPatent	Total Patent http://lexisnexis.com/ip/totalpatent/
 minesoft	→	Patbase	PatBase http://minesoft.com/patbase-online-patent-database/
 ProQuest	→	Dialog	Dialog http://www.proquest.com/products-services/ProQuest-Dialog-Patents-Collection.html
 Questel	→	Orbit	ORBIT http://www.questel.orbit.com/
 STN®	→	STN, CAS	STN http://www.cas.org/products/stn
 THOMSON REUTERS	→	Thomson Innovation	Thomson Innovation http://www.thomsoninnovation.com
 WIPS	→	WIPS Global	WIPS http://wipsglobal.com

Dlaczego płacić za wartość dodaną w bazach danych?

- w dłuższej perspektywie korzystanie z komercyjnych baz danych jest **bardziej wydajne** oraz **tańsze**
- gwarancja wysokiej jakości badań patentowych
- zasięg chronologiczny danych (nawet do XIX wiek)
- zawartość baz, rodziny patentów
- kodowanie
- indeksowanie
- aktualność danych
- szkolenia dla użytkowników
- customer support

Bazy danych bezpłatne a komercyjne

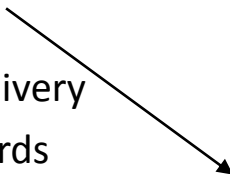
- wartość dodana – „value added data”
 - dane bibliograficzne podlegają korekcie
 - rozszerzone tytuły i abstrakty
 - poprawiona klasyfikacja/indeksowanie
- zaawansowane funkcje wyszukiwawcze i narzędzia do analizy wyników
 - narzędzia do wyszukiwania wzorów chemicznych
 - analiza cytowań
 - „mapy” patentowe
 - wyszukiwanie semantyczne
- zintegrowany dostęp do wielu różnych źródeł literatury patentowej i nie patentowej





<http://www.piug.org/vendors>

- Consultants and Services
- Database Producers & Suppliers
- **Online Services and Database Vendors**
- Analysis Tools
- Patent Document Delivery
- Recognition and Awards
- Patent Drawing
- Translation Services

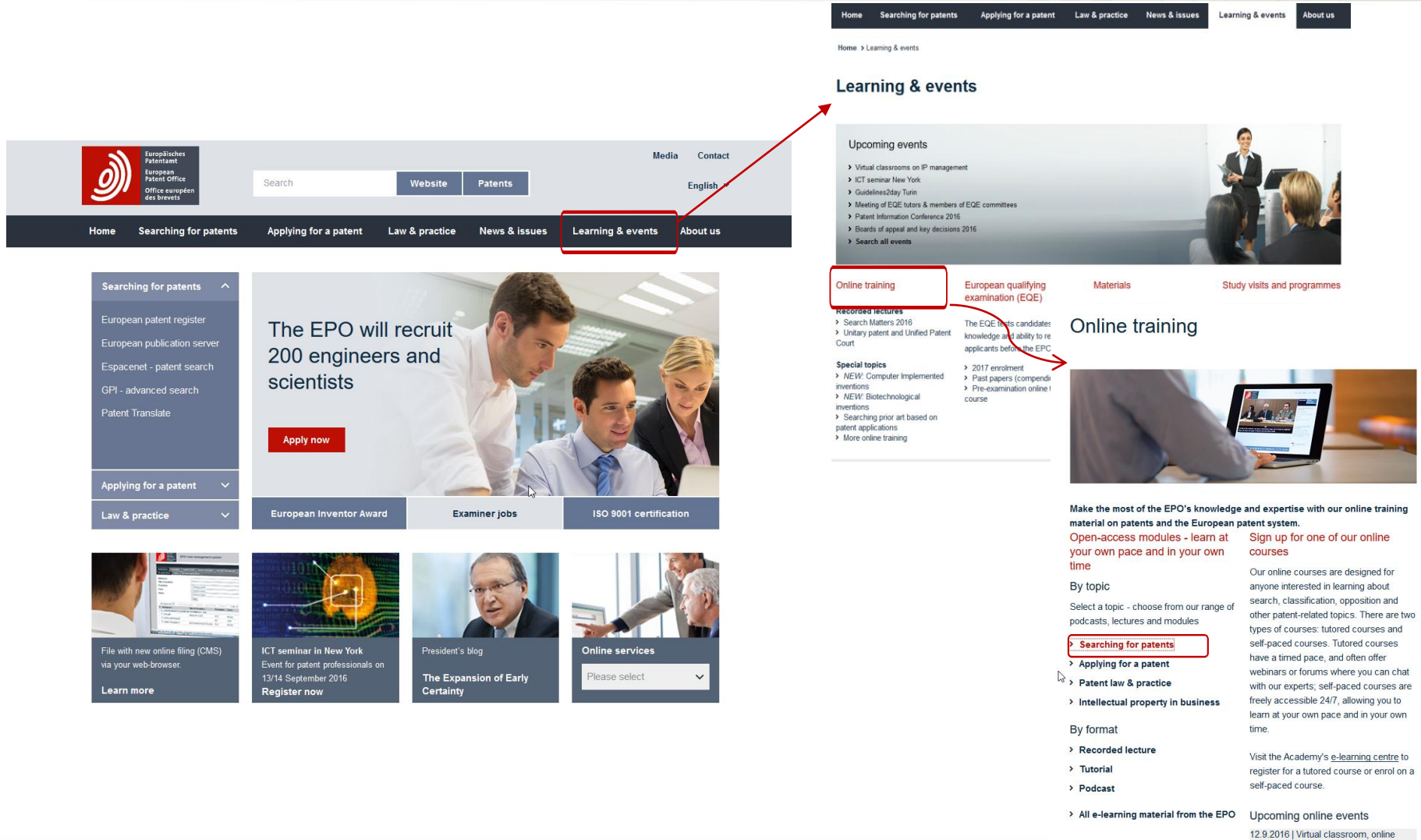


Online Services and Database Vendors

- ActionablePatents.com powered by Wisdomain is a patent search and analysis solution designed to integrate big patent data into ready-to-use information with a series of visualization tools. With Smart Tools, ActionablePatents.com delivers detailed statistics & analysis on worldwide registered patents and patent holding organizations.
- [Averbis](http://Averbis.com) provides automated, high quality classification of patents into user-specific categories. In this way, we automate patent searches and patent monitoring, and support IP professionals in competitor and patent landscaping analyses.
- [Cippix](http://Cippix.com) - An up-to-date patent chemistry database with immediate access through our certified web shop. Search over 6 million patent documents from chemistry, pharma and biotech and over 1 billion compound references by chemical structure, chemical name, full text and keywords. Create PDF reports and structure exports in suitable formats from complete back-files and weekly updates. Cippix covers English, French, German, and Japanese patent documents.
- [Dialog](http://Dialog.com) - Specializing in professional content and workflow solutions for pharmaceutical, engineering, and patents research. [ProQuest Dialog](http://ProQuestDialog.com)™ enables searchers of all skill levels to quickly find, organize, and share the right information with intuitive search and collaboration tools, partnered with content from the world's most authoritative publishers.
- [Espacenet](http://Espacenet.com) - Free access to more than 60 million patent documents from all over the world representing technical developments from 1836 to today.
- [FreePatentsOnline](http://FreePatentsOnline.com) - provides fast, free patent searching, with powerful features such as PDF downloading, search management functions, collaborative document folders, and more. Sign up today -- it's free!
- [GenomeQuest](http://GenomeQuest.com) - The first intranet sequence search engine with percent identity and biological searching GenomeQuest allows IP bioanalysts to quickly establish freedom-to-operate and easily monitor competitor sequence IP positions. GenomeQuest software automates the reporting of the most important and relevant matches, minimizing tedious research, while providing advanced search algorithms so no relevant sequences are ever missed.
- [IFI CLAIMS Direct](http://IFI CLAIMS Direct.com) - an extensible set of web services and developer-friendly APIs designed to access [CLAIMS Global Patent Database](http://CLAIMS Global Patent Database.com).
- [INCOM](http://INCOM.com) - Offers patent document delivery and direct access to the INPADOC PFS und PRS data of more than 65 Patent Offices

Szkolenia z informacji patentowej i ochrony praw własności przemysłowej





The screenshot shows the EPO Learning & Events website. A red box highlights the 'Learning & events' menu item in the top navigation bar. Another red box highlights the 'Online training' section in the main content area. A red arrow points from the 'Learning & events' menu to the 'Online training' section. A red box also highlights the 'Searching for patents' link in the 'By topic' section.

Navigation: Home, Searching for patents, Applying for a patent, Law & practice, News & issues, Learning & events, About us

Learning & events

Upcoming events

- Virtual classrooms on IP management
- ICT seminar New York
- Guidelines 2day Turn
- Meeting of EQE tutors & members of EQE committees
- Patent Information Conference 2016
- Boards of appeal and key decisions 2016
- Search all events

Online training

Recorded lectures

- Search Matters 2016
- Unitary patent and Unified Patent Court

Special topics

- NEW: Computer Implemented inventions
- NEW: Biotechnological inventions
- Searching prior art based on patent applications
- More online training

European qualifying examination (EQE)

The EQE tests candidates' knowledge and ability to re-apply for the EPC

- 2017 enrolment
- Past papers (compendi)
- Pre-examination online course

Materials

Study visits and programmes

Online training

Make the most of the EPO's knowledge and expertise with our online training material on patents and the European patent system.

Open-access modules - learn at your own pace and in your own time

By topic

Select a topic - choose from our range of podcasts, lectures and modules

- Searching for patents
- Applying for a patent
- Patent law & practice
- Intellectual property in business

By format

- Recorded lecture
- Tutorial
- Podcast

All e-learning material from the EPO

Our online courses are designed for anyone interested in learning about search, classification, opposition and other patent-related topics. There are two types of courses: tutored courses and self-paced courses. Tutored courses have a timed pace, and often offer webinars or forums where you can chat with our experts; self-paced courses are freely accessible 24/7, allowing you to learn at your own pace and in your own time.

Visit the Academy's [e-learning centre](#) to register for a tutored course or enrol on a self-paced course.

Upcoming online events

12.9.2016 | Virtual classroom, online

Szkolenia z informacji patentowej - EPO

<http://www.epo.org/learning-events/e-learning.html>

Select an online training module

Course topics

- Intellectual property (IP) in business
 - IP protection in general
 - IP portfolio management
 - Licensing & technology transfer
 - Financing & valuation
- Searching for patents
 - Search methods & strategies
 - Online services, tools and software
 - Patent classification schemes
- Applying for a patent
 - General information
 - Online services, tools and software
- Patent law & practice

Course formats

- Recorded Lecture
- Tutorial Workshop

Searching for patents


Search methods & strategies

European Patent Register

The European Patent Register Assistant is a new interactive, online training course that shows you how to use the European Patent Register and Register Alert service. It is a simple, lively and interesting way to learn how to follow patent applications and inspect files, and is available in English, French and German.

Tutorial

English / Deutsch / Français


> Open module 

Espacenet assistant

How to use Espacenet.

Tutorial

English / Deutsch / Français

> Open module 



Back to online training

e-learning centre > Courses > Modules on selected topics > Searching for patents > Databases and tools > Common Citation Document (CCD) > Co

Databases and tools: Common Citation Document (CCD)



Prezentacja CCD

Szkolenia z informacji patentowej - EPO

<http://www.epo.org/learning-events/events/training/patent-information.html>

Patent families Print version

Date
Starts: 27.09.2016 at 11:00
Ends: 27.09.2016 at 12:00

Location
Virtual classroom, online

Organised by
EPO, Patent Information Promotion & Training

Working language(s)
English

Description
During this webinar expressions like "patent family" and "priority" will be explained. Moreover the presenter will explain the related concepts at the EPO as well as the patent families in ESPACenet.


Target groups

- IP authorities, patent offices, civil servants, customs officials
- Industry
- Industry researchers
- IP lawyers
- Judges and public prosecutors
- Patent attorneys
- Patent information professionals
- Policy makers
- Public sector and university researchers
- SMEs and start-ups
- Students and faculty
- Patent libraries
- Business consultants and advisors
- Investors
- Interested public
- Technology transfer officers
- Patent attorney support staff

Additional information

- Useful tips for webinars
- Sign up for patent information training e-mail alerts

Level of expertise
Entry level



Europäisches Patentamt
European Patent Office
Office européen des brevets

Search

Website Patents

Media Contact

English

Home Searching for patents Applying for a patent Law & practice News & issues Learning & events About us

Home > Learning & events > Events and classroom training > Training > Patent information users

Conferences and key events

The EPO at trade fairs

Search all events

Training

National patent offices

Professional representatives

Businesses and SMEs

Judges

Universities and research centres

Patent information users

Online and on request

Subscribe to alerts

Patent information users

Upcoming patent information events

12.9.2016 | Virtual classroom, online
Patent information user support bi-monthly webinars

27.9.2016 | Virtual classroom, online
Patent families

28.9.2016 | Virtual classroom, online
Patent Information Newsflash September

3.10.2016 | Virtual classroom, online
Legal status

4.10.2016 | Virtual classroom, online
Introduction to Global Patent Index (GPI)

10.10.2016 | Vienna, Austria

Print Share

Support

Discussion forum
Talk to EPO experts or other users

> **Visit the training forum**

Contact

> **Sign up for patent information training e-mail alerts**

Contact Patent Information Training:
✉ pittraining@epo.org



Szkolenia z informacji patentowej - EPO

<http://www.epo.org/learning-events/events/training/patent-information.html>

Live Sessions

Search for sessions by presenter, topic, or words in the agenda:

Search

Today

Upcoming

Daily

Weekly

Monthly

From: 4:14 a.m., Wednesday, September 7, 2016

Show only sessions that require registration

Total number of sessions: 51

[Date & Time](#)▼

[Topic](#)

[Presenter](#)

[Duration](#)

Sep 8, 2016

4:00 pm

[EQE pre-examination online co...](#)

European Patent Academy

1 hour

Sep 12, 2016

11:00 am

[Patent Information user suppo...](#)

Patent Information Training

1 hour

[Register](#)

Sep 12, 2016

2:00 pm

[BD05-2016](#)

European Patent Academy

1 hour

Sep 13, 2016

11:00 am

[OD09-2016](#)

European Patent Academy

1 hour

Sep 14, 2016

10:00 am

[EPOQUE Net: The art of effici...](#)

European Patent Academy

1 hour

Sep 15, 2016

2:00 pm

[BD05-2016](#)

European Patent Academy

1 hour

Sep 15, 2016

4:00 pm

[EQE pre-examination online co...](#)

European Patent Academy

1 hour

Sep 26, 2016

2:00 pm

[BD05-2016](#)

European Patent Academy

1 hour

Sep 27, 2016

11:00 am

[OD09-2016](#)

European Patent Academy

1 hour

Sep 27, 2016

11:00 am

[Patent families](#)


Patent Information Training

1 hour

[Waitlist](#)

Szkolenia z informacji patentowej – EPO, forum dyskusyjne

<http://forums.epo.org/pi-training/>


Europäisches Patentamt
European Patent Office
Office européen des brevets

[Contact](#)
[FAQ](#)

Discussion forum

◀ About discussion forums
 Search all forums:
 → [Advanced search](#)

[Register](#) [Login](#)

[Forums home](#) → [Patent Information Products and Services](#) → [Patent Information Training](#)

Patent Information Training

Announcements, Information and exchange on the EPO's patent information related seminars, webinars and e-learning activities.

9 topics • Page 1 of 1

ANNOUNCEMENTS	REPLIES	VIEWS	LAST POST
Webinars "Virtual helpdesk" 2017 <small>by Patent Information 2 on Tue Jun 21, 2016 9:27 am</small>	0	72	by Patent Information 2 on Tue Jun 21, 2016 9:27 am
Patent Information Newsflashes in 2017 <small>by Patent Information 2 on Tue Jun 21, 2016 9:01 am</small>	0	63	by Patent Information 2 on Tue Jun 21, 2016 9:01 am
RECORDED webinars <small>by pitraining on Tue Dec 22, 2015 10:39 am</small>	3	651	by pitraining on Mon Feb 29, 2016 8:14 am
EPO patent information WEBINARS 2016 <small>by pitraining on Tue Nov 10, 2015 12:43 pm</small>	0	322	by pitraining on Tue Nov 10, 2015 12:43 pm

TOPICS	REPLIES	VIEWS	LAST POST
Audio help to connect to our webinars <small>by pitraining on Tue Jun 21, 2016 8:41 am</small>	0	41	by pitraining on Tue Jun 21, 2016 8:41 am
VC26-2016 Full-text search in Espacenet <small>by Patent Information 2 on Wed Aug 31, 2016 12:22 pm</small>	0	8	by Patent Information 2 on Wed Aug 31, 2016 12:22 pm
European patent register assistant - online tutorial <small>by pitraining on Fri Dec 19, 2014 2:00 pm</small>	2	872	by Patent Information 2 on Tue Apr 05, 2016 2:16 pm
Patent Information Tour - online tutorial - updated <small>by pitraining on Tue Feb 17, 2015 6:17 pm</small>	0	589	by pitraining on Tue Feb 17, 2015 6:17 pm
Espacenet assistant - online tutorial <small>by pitraining on Fri Dec 19, 2014 1:57 pm</small>	0	690	by pitraining on Fri Dec 19, 2014 1:57 pm

Szkolenia z informacji patentowej - EPO

E-Learning Centre of the European Patent Academy

<https://e-courses.epo.org>

Nowy kurs „Searching prior art based on patent applications”

New online course on patentability searching

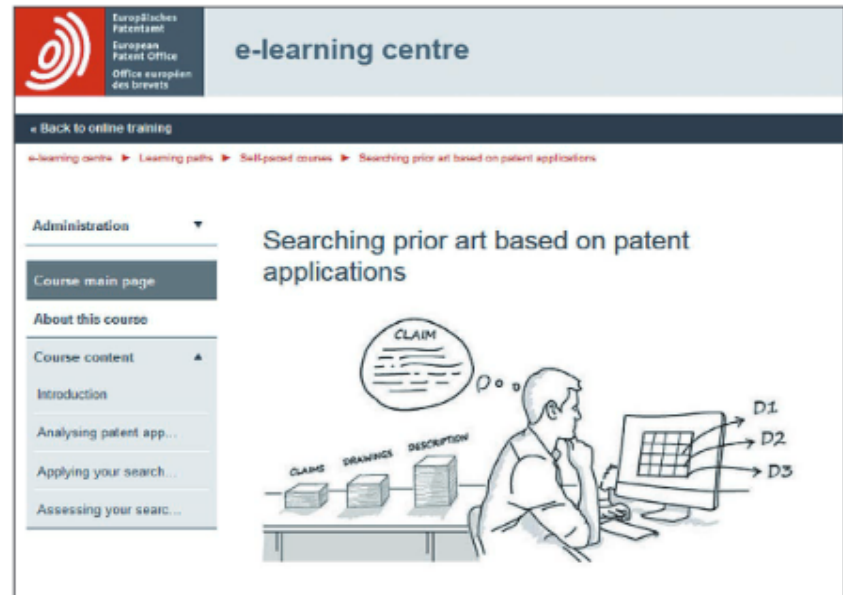
A new online course from the EPO will be of interest to anyone keen to learn about patentability searches.

Originally designed for patent examiners, the course focuses on the methodology for finding prior art relevant to a specific patent application. If you follow the course, you will learn how to search like a patent examiner. As a result, you will be able to carry out a search on a patent application – or a draft of one – with a reasonable prospect of finding documents relevant for assessing patentability.

The new course covers:

- Preparing the search, including how to set up a search table
- Performing the search
- Assessing the results of the search

To try out the new course, just go to <https://e-courses.epo.org> and type "Searching prior art based on patent applications" in the Search courses field.



The screenshot shows the EPO e-learning centre interface. At the top left is the EPO logo and text: "Europäisches Patentamt", "European Patent Office", "Office européen des brevets". To the right is "e-learning centre". Below this is a navigation bar with "Back to online training" and a breadcrumb trail: "e-learning centre > Learning paths > Self-paced courses > Searching prior art based on patent applications". A sidebar on the left contains a menu with "Administration", "Course main page", "About this course", "Course content", "Introduction", "Analysing patent app...", "Applying your search...", and "Assessing your search...". The main content area displays the course title "Searching prior art based on patent applications" and an illustration of a person at a computer. The illustration shows a person sitting at a desk with a computer monitor. On the desk are three boxes labeled "CLAIMS", "DRAWINGS", and "DESCRIPTION". A thought bubble above the person contains the word "CLAIM". Arrows point from the computer screen to three documents labeled "D1", "D2", and "D3".

Szkolenia z informacji patentowej - EPO

E-Learning Centre of the European Patent Academy

<https://e-courses.epo.org>

Nowe moduły szkoleniowe:

Patentability of computer-implemented inventions at the EPO


This module examines the patentability requirements, legal basis and other criteria in the field of information technology. In particular, it focuses on patentable and non-patentable subject-matter and on the examination of computer-implemented with respect to the requirements of Art. 52 EPC (exclusion, industrial application, novelty and inventive step). Examples and case law are also provided.

 [Patentability of computer-implemented inventions at the EPO](https://e-courses.epo.org/wbts/cii/index.html)

Patentability of biotechnological inventions

This module looks at the patentability, legal basis and specific patentability criteria of biotechnology inventions. Secondly, a test offers you the opportunity to check your knowledge of the patentability of biotechnological inventions.

 [Patentability of Biotechnological Inventions](https://e-courses.epo.org/wbts/biotech/index.html)



Europäisches Patentamt
 European Patent Office
 Office européen des brevets

Credits | Disclaimer

Introduction

- Patentability of CII
- Scope of protection
- Definition of CII
- Legal Framework
- Patentability in the EPC
- Rules 42 and 43 EPC
- Technicality
- Examination Procedure
- Exclusion
- Further requirements
- Novelty
- Inventive Step
- Elements of the PSA
- Case Law
- Cases
- Referral Program for Computers I
- Claim Types
- Conclusion
- Your turn


Patentability of CII at the EPO

Introduction


In this e-learning module you will find out about the requirements for patentability in general, as well as the legal basis and specific criteria for patentability in the field of information technology.

You will also see how computer-implemented inventions are examined with respect to the requirements of [Article 52 EPC](#) (exclusion, industrial application, novelty and inventive step).

Finally, you can have a look at some important case law and get some practical advice on how to correctly formulate claims that will provide protection for the most common implementation forms of your invention.



<https://e-courses.epo.org/wbts/cii/index.html>



Europäisches Patentamt
 European Patent Office
 Office européen des brevets

Credits | Disclaimer

Why is biotech important

- What are biotechnological inventions
- Public concerns
- Patentability criteria
- Patentability restrictions in Europe
- Legal basis
- Controversial cases
- Patentability of plants and Case Law
- Patentability of animals and Case Law
- Patentability of sequences and Case Law
- Patentability of sequences
- Potentially patentable sequences
- Patentability of microbiological processes
- Conclusion
- Your turn

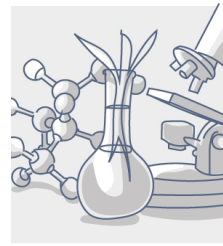
Patentability of biotechnological inventions

Why is biotech important?

Biotechnology is one of the fastest growing fields of technology. It has great potential, in terms of both research and of bringing new products/inventions onto the market. This is borne out by the increasing number of patent applications filed with the European Patent Office (EPO) in the last few years.

Biotech is in the spotlight because the areas it covers and the inventions arising out of it - whether they are about medical applications, agriculture or environmental technologies - are of great interest to the public. The question of what should remain in the public domain as opposed to what can be patented and, as such, restricted in use and potentially subordinated to commercial interests, is still open and the answers are subject to intense debate.

The patenting of genes, organs and animals has given rise to heated discussions on a number of ethical issues and led to the introduction of strict requirements and restrictions in the laws governing this field.



<https://e-courses.epo.org/wbts/biotech/index.html>

Szkolenia z informacji patentowej - EPO

E-Learning Centre of the European Patent Academy

<https://e-courses.epo.org>

Szkolenia zamknięte np. dla pracowników urzędów lub ośrodków PATLIB, stacjonarne lub zdalne



Europejski Punkt Informacyjny IPR jest inicjatywą Komisji Europejskiej zapewniającą profesjonalne i darmowe doradztwo w zakresie praw własności intelektualnej dla rzeczywistych i potencjalnych beneficjentów badawczo-naukowych projektów finansowanych ze środków unijnych, jak również dla małych i średnich przedsiębiorstw zaangażowanych w międzynarodowy transfer technologii



European IPR Helpdesk

We believe that knowing how to manage Intellectual Property (IP) and Intellectual Property Rights (IPR) is the ticket to innovation and competitiveness in Europe. The European IPR Helpdesk offers free of charge, first-line support on IP and IPR matters to beneficiaries of EU funded research projects and EU SMEs involved in transnational partnership agreements, especially within the Enterprise Europe Network (EEN).

2nd half of 2016

Regular curriculum

14 September 2016

Introduction to IP

05 October 2016

IP in EU funded projects

26 October 2016

Technology Transfer

Special Webinar Series: IP challenges in Life Science in November 2016!

09 November 2016

IP Commercialisation

23 November 2016

IP Management in H2020 with a special focus on Marie Skłodowska Curie Actions

07 December 2016

Impact and Innovation in H2020

21 December 2016

Maximise the Impact of Horizon 2020 results

The European IPR Helpdesk

Bulletin

N°22, July - September 2016



Training Approach

"Capacity building" is the magic term regarding our training activities. Based on a practice-oriented training approach we provide free of charge training on IP and IP management.

[Read more](#)



On-site Training

In collaboration with local partner organisations we organise **joint training sessions** all across Europe. In addition, we try to support **individual events** with the help of our IP experts.

[Read more](#)



Online Training


Joining an on-site training event may sometimes be difficult due to time-constraints and travel costs. Therefore, we offer **interactive webinars** and different learning materials for your **self-study**.

[Read more](#)





Events

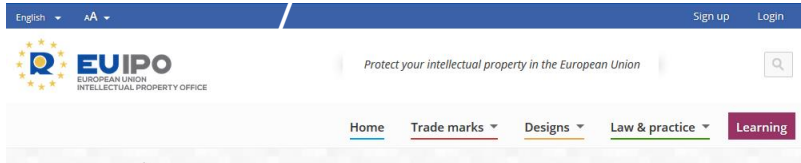
[Switch to calendar view](#)

This page shows a chronological listing of upcoming events related to IP/IPR. You may click on the title to get additional information on the event.

 = with participation of the European IPR Helpdesk

[Display only events with participation of the European IPR Helpdesk.](#)

Date	Location	Title
28.03.	Webinar	WIPO information session on geographical indications
29.03. to 31.03.	Munich, Germany	Search Matters 2017
 30.03.	Kiel and Hamburg, Germany	Workshop on Impact, Innovation and Intellectual Property Rights in H2020 projects
03.04. to 28.04.	Webinar	Virtual classrooms on IP management
 04.04.	Cambridge, UK	H2020 Brokerage Event: Nanotechnologies and Advanced Materials
 05.04.	Limassol, Cyprus	IP workshop in Limassol: IP Management in H2020
 12.04.	Webinar	Webinar: Technology Transfer



Home - Learning - Academy



Academy

Established in May 2011, the Academy of the European Union Intellectual Property Office (EUIPO) encompasses all the learning and educational activities for our staff, staff of the Intellectual Property (IP) offices of the European Union (EU), EUIPO's users, academia and the public at large.

At EUIPO we believe that a learning environment drives continuous improvement in performance.



Learning portal

Upcoming events

Academy

Our work

Tools & documents

FAQs

Print this page

Share this page

Add to Quick Links






Learning Portal

QUICK LINKS - Intellectual Property for External Users

Click here for the complete [catalogue](#)

Most visited courses

-  [EUTM in a Nutshell \(with certificate\) *Basic*](#)
-  [RCD in a Nutshell \(with certificate\) *Basic*](#)
-  [Introduction to Absolute Grounds for refusal \(with certificate\) *Basic*](#)
-  [Overview: Likelihood of Confusion \(with certificate\) *Advanced*](#)
-  [Overview: Relative Grounds for Refusal \(with certificate\) *Advanced*](#)
-  [Webinar: Similarity *Intermediate*](#)
-  [Webinar: Searching for figurative marks in eSearch plus *Intermediate*](#)
-  [Webinar: Winnie the Pooh and friends: trade mark protection for cuddly toys *Intermediate*](#)
-  [Webinar: Infringement of protected Geographical Indications for wine, spirits, agricultural products and fo *Intermediate*](#)

New EU trade mark regulation

-  [Presentation of the New EU Trade Mark Regulation 13-1-2016 *Intermediate*](#)
-  [Webinar: Questions and Answers on the new EU trade mark Regulation 2-2-2016 *Intermediate*](#)
-  [Webinar: Changes to Office Guidelines under the amending trade mark Regulation 15-3-2016 *Intermediate*](#)

Home Site pages Calendar September 2016

Learning Portal

Calendar

September 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
	11	12	13	14	15	16
	18	19	20	21	22	23
						24

Webinar - Intermediate level

Winnie the Pooh and friends: trade mark protection for cuddly toys



Źródła literatury niepatentowej (NPL)



Źródła literatury niepatentowej

- **Literatura niepatentowa (NPL)** odgrywa ogromną rolę w badaniach patentowych a szczególnie badaniach stanu techniki.
- NPL występuje w przeróżnych postaciach i formatach: od podręczników użytkownika po rozprawy doktorskie, obejmuje: zdjęcia, prospekty techniczne, normy, standardy, przepisy techniczne, książki, artykuły z czasopism, słowniki, encyklopedie, blogi, filmy, tzw. whitepapers – raporty dotyczące produktu
- To oznacza, że jest zdecydowanie trudniejsza do zidentyfikowania, nie wspominając o dotarciu do niej.
- Stanowi bezcenne źródło informacji.

Badania stanu techniki. Gdzie szukać informacji?

Źródła literatury niepatentowej – publikacje naukowe

Biblioteki techniczne dysponują dziesiątkami baz danych z wszystkich dziedzin techniki



Springer



- kolekcje e-books



- kolekcje e-czasopism



WEB OF SCIENCE™



- bazy danych



BazTech - bibliograficzno-abstraktowa baza danych rejestrująca od 1998 r. artykuły z 654 polskich czasopism z zakresu nauk technicznych, ścisłych i ochrony środowiska.

Do opisów artykułów dodawane są bibliografie załącznikowe (od 2006 r.), a na podstawie odrębnych umów z wydawcami rekordy uzupełniane są o pełne teksty artykułów.

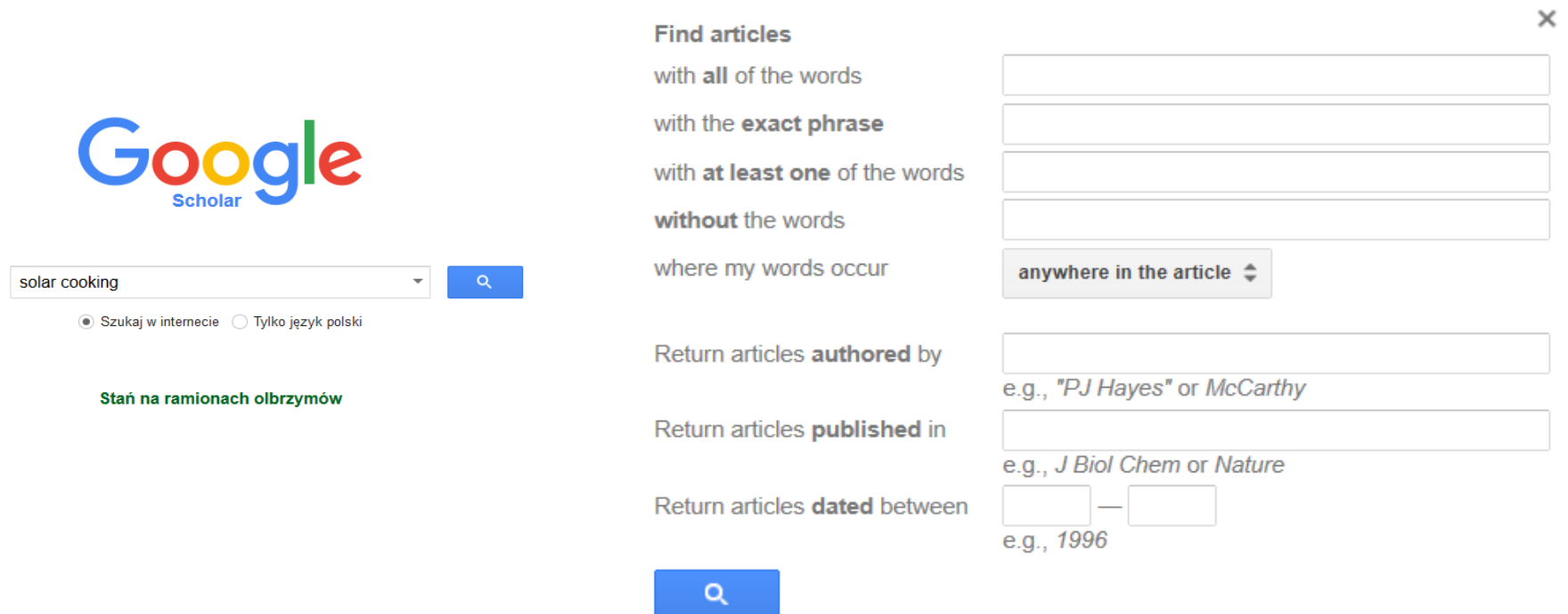
Celem tworzenia bazy jest:

- dostarczenie kompletnego i bezpłatnego źródła informacji o publikacjach w polskich czasopismach z zakresu szeroko pojętych zagadnień nauk technicznych



Google Scholar: artykuły, książki, strony internetowe

<http://scholar.google.com>



The image shows a screenshot of the Google Scholar search interface. On the left, the Google Scholar logo is displayed above a search bar containing the text "solar cooking". Below the search bar are two radio buttons: "Szukaj w internecie" (selected) and "Tylko język polski". A blue search button with a magnifying glass icon is to the right of the search bar. Below the search bar is a green link that says "Stań na ramionach olbrzymów".

On the right side of the interface, there is a "Find articles" section with a close button (X) in the top right corner. This section contains several search options, each with a corresponding input field:

- "with **all** of the words" with an empty input field.
- "with the **exact phrase**" with an empty input field.
- "with **at least one** of the words" with an empty input field.
- "**without** the words" with an empty input field.
- "where my words occur" with a dropdown menu currently set to "anywhere in the article".
- "Return articles **authored by**" with an empty input field and the example text "e.g., 'PJ Hayes' or McCarthy".
- "Return articles **published in**" with an empty input field and the example text "e.g., J Biol Chem or Nature".
- "Return articles **dated between**" with two empty input fields separated by a hyphen, and the example text "e.g., 1996".

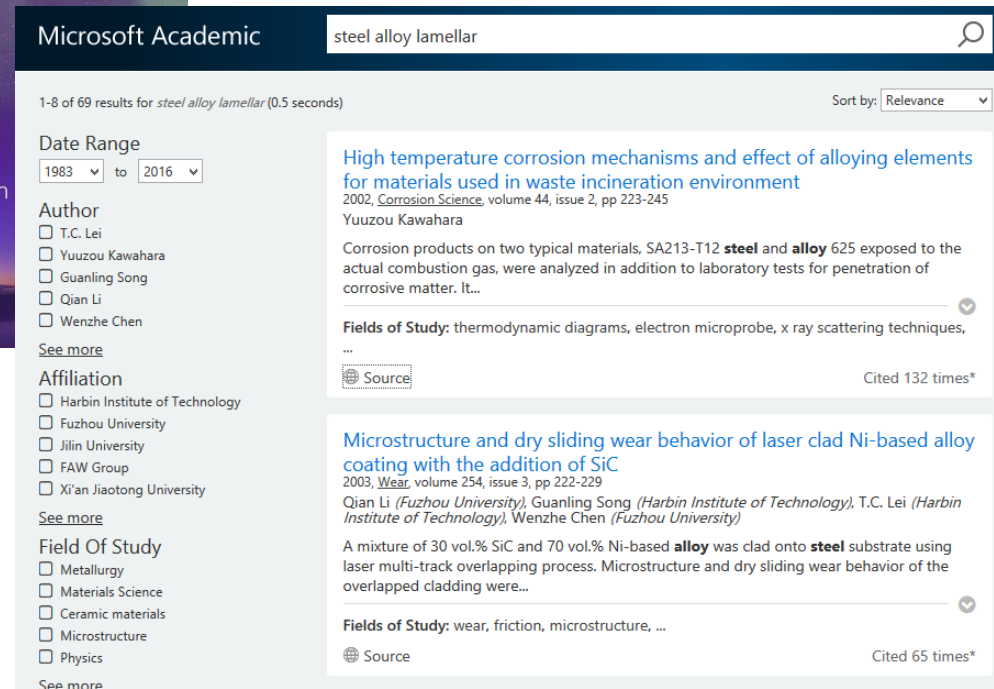
At the bottom of the "Find articles" section is a blue search button with a magnifying glass icon.

Microsoft Academic Search

<http://academic.research.microsoft.com/>



80 mln dokumentów



Microsoft Academic

steel alloy lamellar

1-8 of 69 results for steel alloy lamellar (0.5 seconds)

Sort by: Relevance

Date Range: 1983 to 2016

Author:

- T.C. Lei
- Yuuzou Kawahara
- Guanling Song
- Qian Li
- Wenzhe Chen

See more

Affiliation:

- Harbin Institute of Technology
- Fuzhou University
- Jilin University
- FAW Group
- Xi'an Jiaotong University

See more

Field Of Study:

- Metallurgy
- Materials Science
- Ceramic materials
- Microstructure
- Physics

See more

High temperature corrosion mechanisms and effect of alloying elements for materials used in waste incineration environment
2002, *Corrosion Science*, volume 44, issue 2, pp 223-245
Yuuzou Kawahara

Corrosion products on two typical materials, SA213-T12 **steel** and **alloy** 625 exposed to the actual combustion gas, were analyzed in addition to laboratory tests for penetration of corrosive matter. It...

Fields of Study: thermodynamic diagrams, electron microprobe, x ray scattering techniques, ...

Source

Cited 132 times*

Microstructure and dry sliding wear behavior of laser clad Ni-based alloy coating with the addition of SiC
2003, *Wear*, volume 254, issue 3, pp 222-229
Qian Li (*Fuzhou University*), Guanling Song (*Harbin Institute of Technology*), T.C. Lei (*Harbin Institute of Technology*), Wenzhe Chen (*Fuzhou University*)

A mixture of 30 vol.% SiC and 70 vol.% Ni-based **alloy** was clad onto **steel** substrate using laser multi-track overlapping process. Microstructure and dry sliding wear behavior of the overlapped cladding were...

Fields of Study: wear, friction, microstructure, ...

Source

Cited 65 times*

Źródła literatury niepatentowej

Dedykowane serwisy czasopism w wolnym dostępie

DOAJ Directory of Open Access Journals

<http://www.doaj.org>



Elsevier Open Access Journals

<https://www.elsevier.com/about/open-science/open-access/open-access-journals>

ELSEVIER

Źródła literatury niepatentowej

Serwisy przeszukujące archiwa dziedzinowe,
biblioteki cyfrowe, repozytoria instytucjonalne

w Polsce:

Federacja Bibliotek Cyfrowych

<http://fbc.pionier.net.pl/>

na świecie:

BASE Bielefeld Academic Search Engine

<https://www.base-search.net/>

SciTech Connect

<https://www.osti.gov/scitech/>

Office of Scientific and Technical Information (OSTI) is the Department of Energy (DOE)

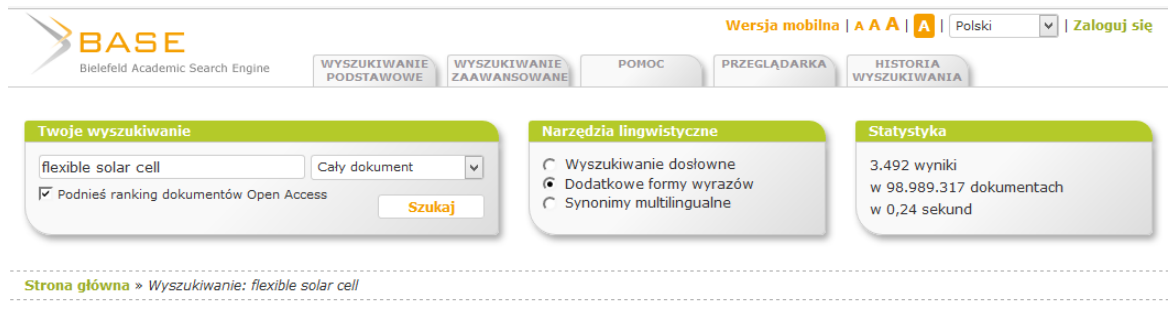
OpenDoar - directory of academic open a

<http://opendoar.org/search.php>



SciTech Connect

OpenDOAR
Search Repository Contents



Strona główna » Wyszukiwanie: flexible solar cell

Suchergebnisse Sortuj

4. Flexible Solar-Cell from Zinc Oxide Nanocrystalline Dostęp wolny (Open Access)

Tytuł: Flexible Solar-Cell from Zinc Oxide Nanocrystalline

Autor: Kunihito Koumoto ; J. H. Xiang ; P. X. Zhu ; Y. Masuda ; M. Okuya ; Koumoto

Opis: Sheets Self-Assembled by an In-Situ

Współtwórcy: The Pennsylvania State University CiteSeerX Archives

Rok wydania: 1797

Źródło: https://staff.aist.go.jp/masuda-y/link/zno_jnn_2006.pdf


Typ dokumentu: text

Język: en

Słowa kluczowe: Zinc Oxide ; Nanosheet ; Self-Assembly ; In Situ-Construction Electrodeposition ; Flexible Solar Cell

Prawa autorskie: Metadata may be used without restrictions as long as the oai identifier is attached to it.

URL: <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.538.4829>

Źródło danych: CiteSeerX 



Copyright © 2006 American Scientific Publishers
All rights reserved
Printed in the United States of America

Journal of
Nanoscience and Nanotechnology
Vol. 6, 1797-1801, 2006

Flexible Solar-Cell from Zinc Oxide Nanocrystalline Sheets Self-Assembled by an *In-Situ* Electrodeposition Process

J. H. Xiang^{1,2,*}, P. X. Zhu¹, Y. Masuda¹, M. Okuya³, S. Kaneko³, and K. Koumoto^{1,*}

¹Nagoya University, Graduate School of Engineering, Nagoya 464-8603, Japan

²Graduate University of the Chinese Academy of Sciences, College Chemistry and Chemical Engineering, Beijing 100049, China

³Department of Materials Science and Technology, Shizuoka University, Hamamatsu 432-8561, Japan

Zinc oxide nanocrystalline sheets were self-assembled on a flexible polymer substrate to act as the electrode of dye-sensitized solar cells by an *in situ*-construction electrodeposition process. It was discovered that the nanosheet-based solar cell exhibited better performance than a nanoparticle-based solar cell or a well-oriented nanowire-based solar cell. The nanosheet microstructure has advantages which include the depression of loss during photoelectron transport, the increase of dye compound adsorption, and the enhance of incident light capture. As a result, the performance of dye-sensitized solar cells can be obviously improved. This success provides a feasible bottom-up approach for integrating a solar cell together with nanodevices and microcircuits on a flexible substrate which can work with self-supplied solar energy.

Keywords: Zinc Oxide, Nanosheet, Self-Assembly, *In Situ*-Construction Electrodeposition, Flexible Solar Cell.

OpenDOAR

Home | Find

Search Repository Contents

This service, based on the [Google Custom Search](#) engine, lets you search the contents of the repositories listed in *OpenDOAR* for freely available academic approach minimises (but does not eliminate!) spurious or junk results, and leads more directly to useful and relevant information. Full texts are available

Sun *et al.* *Nanoscale Research Letters* 2014, 9:514
<http://www.nanoscalereslett.com/content/9/1/514>

 **Nanoscale Research Letters**
 a SpringerOpen Journal

NANO EXPRESS

Open Access

Flexible carbon nanotube/mono-crystalline Si thin-film solar cells

Huanhuan Sun¹, Jinqian Wei^{1*}, Yi Jia², Xian Cui¹, Kunlin Wang¹ and Dehai Wu³

Abstract

Flexible heterojunction solar cells were fabricated from carbon nanotubes (CNTs) and mono-crystalline Si thin films at room temperature. The Si thin films with thickness less than 50 μm are prepared by chemically etching Si wafer in a KOH solution. The initial efficiency of the thin-film solar cell varies from approximately 3% to 5%. After doping with a few drops of 1 M HNO₃, the efficiency increases to 6% with a short-circuit current density of 16.8 mA/cm² and a fill factor of 71.5%. The performance of the solar cells depends on the surface state and thickness of Si thin films, as well as the interface of CNT/Si. The flexible CNT/Si thin-film solar cells exhibit good stability in bending-recovery cycles.

Keywords: Carbon nanotubes; Si thin film; Solar cell; Heterojunction

Background

Low-cost, high-efficiency, and flexible solar cells have attracted great attention due to the increasing energy demands [1-4]. Currently, crystalline Si-based solar cells dominate the photovoltaic market because of their relatively high module efficiency, high stability, and well-

cells are still required to make p-n junction through doping at high temperature, which is a costly process and also increases the risk of damage to the Si thin films.

Recently, we developed a heterojunction solar cell by combining carbon nanotubes (CNTs) and bulk Si wafer [10]. The CNT/Si heterojunction solar cell has aroused



About 1,940,000 results (0.58 seconds)

powered by Google™ Custom Search

[Greenhouse tomato production with electricity generation by roof ...](#)
www.scielo.br/scielo.php?script=sci_arttext&pid=S0103...



The aim of this study was to examine the effect of **flexible solar panels**, mounted on top of a greenhouse for electricity production, on yield and fruit quality of ...

[Subdermal Flexible Solar Cell Arrays for Powering Medical ...](#)

authors.library.caltech.edu/66729/

May 3, 2016 ... Subdermal **Flexible Solar Cell** Arrays for Powering Medical Electronic Implants: Song, Kwangsun and Han, Jung Hyun and Lim, Taehoon and ...

[Flexible carbon nanotube/mono-crystalline Si thin-film solar cells](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC4174534/

@U.S. National Library of Medicine - Bethesda MD

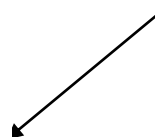
Sep 20, 2014 ... **Flexible heterojunction solar cells** were fabricated from carbon nanotubes (CNTs) and mono-crystalline Si thin films at room temperature.

[High-efficiency robust perovskite solar cells on ultrathin flexible ...](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC4729901/

@U.S. National Library of Medicine - Bethesda MD

Jan 11, 2016 ... Here we demonstrate high-performance planar heterojunction perovskite **solar cells** constructed on highly **flexible** and ultrathin ...



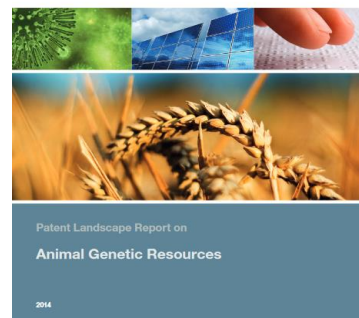
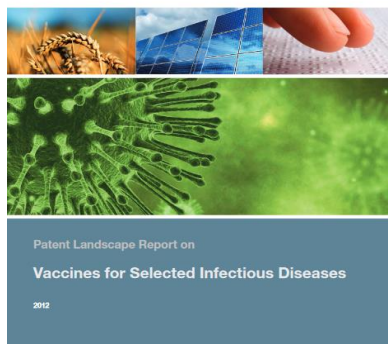
http://www.wipo.int/patentscope/en/programs/patent_landscape/reports/

Raporty WIPO opisują specyficzną technologię.

Zwykle zawierają:

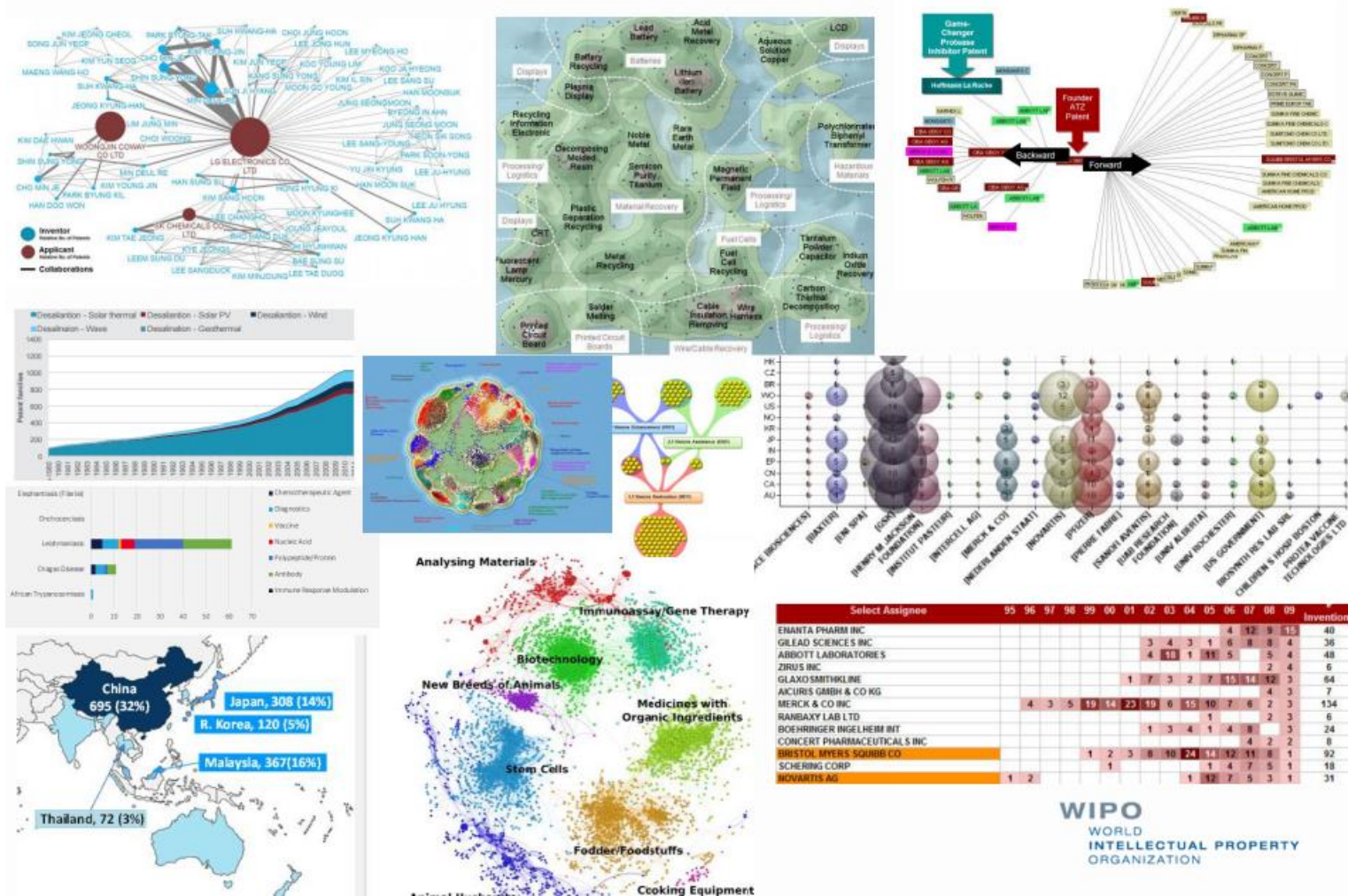
- stan techniki + analiza wyników
- wizualizacja ("patent mapping") + wnioski
- trendy innowacyjne/aktywność
- who is doing what? (n.p. czołowi zgłaszający, twórcy)
- co i gdzie jest zgłaszane?

Objęte raportami dziedziny:
Public Health / Life Sciences
Climate Change / Energy
Food and Agriculture
Disabilities



Źródła literatury niepatentowej : WIPO Patent Landscape Reports

Różne typy analiz i narzędzi wykorzystanych w przygotowaniu raportów



Najnowsze raporty w przygotowaniu

- Accelerator technologies and their medical and industrial applications



- Palm Oil Production and Waste Exploitation



- Microalgae-related technologies



- Selected Neglected Diseases



Przegląd źródeł informacyjnych

Wybrane bazy

WYN - Wynalazki
(zgłoszenia od numeru 277027, akt. 2015-06-08)

UZY - Wzory użytkowe
(zgłoszenia od numeru 96143, akt. 2015-06-08)

TOW - Znaki towarowe
(zgłoszenia od numeru 338, akt. 2015-06-08)

PRZ - Wzory przemysłowe
(zgłoszenia od numeru 1, akt. 2015-06-08)

ZDB - Wzory zdobnicze
(zgłoszenia od numeru 3880, akt. 2015-06-08)


GEO - Oznaczenia geograficzne
(zgłoszenia od numeru 1, akt. 2014-04-08)

SCA - Topografie układów skalonych
(zgłoszenia od numeru 1, akt. 2014-04-08)

Proszę wybrać przynajmniej jedną bazę.

UPRP – wyszukiwarka przedmiotów chronionych

<http://www.uprp.pl>



Urząd Patentowy
Rzeczypospolitej Polskiej

Polski English
Kontakt

Wyszukiwanie proste **Wyszukiwanie zaawansowane** Pomoc

Informacje techniczne

Wyszukiwanie proste

Aktualizacja danych Numer prawa wyłącznego np. PAT.201837 RWU.058283 EP1924570

Dane są aktualizowane co 2 tygodnie we wtorek (w rytmie odpowiadającym publikacji Biuletynu UPRP).

Numer zgłoszenia np. P.384800 W.117380 EP04765775.4 DPO.0001

Zakres udostępnianych danych Data zgłoszenia np. 20040504

Patenty krajowe, patenty europejskie, prawa ochronne na wzory użytkowe, dodatkowe prawa ochronne (SPC)

[Wyczyść](#) [Wyszukaj](#)

Register Plus UPRP

<http://regserv.uprp.pl/register/regviewer>



Urząd Patentowy Rzeczypospolitej Polskiej

SERWER PUBLIKACJI

W celu zapewnienia łatwiejszego i powszechnego wglądu do dokumentacji Urzędu Patentowego RP udostępniamy t do 7 dni od dnia ogłoszenia w oficjalnym wydawnictwie Urzędu Patentowego RP - w [Wiadomościach Urzędu Patentowy](#) patentach zamieszczonych w WUP), polskich opisów ochronnych wzorów użytkowych (stosownie do ogłoszeń o udzie o zarejestrowanych wzorach przemysłowych zamieszczanych w WUP) oraz tłumaczeń na język polski patentów europ Dokumenty te udostępniane są w formacie PDF).

Wyszukiwanie

Numer publikacji ([przykłady](#))

Numer zgłoszenia ([przykłady](#))

Symbol klasyfikacji ([przykłady](#))

Wyszukiwanie

Wszystkie dokumenty
Lista wyników
Zakres danych
Informacja o publikacji
Google Analytics
Pomoc
Kontakt

Data publikacji ([przykłady](#))

Od roku : [1924 ▼] Miesiąc : [01 ▼]

Pomiędzy ▼

Do roku : [2015 ▼] Miesiąc : [12 ▼]

UPRP – serwer publikacji

<http://pubserv.uprp.pl>

Strona główna UPRP



URZĄD PATENTOWY
RZECZYPOSPOLITEJ POLSKIEJ

Internetowy Portal Usługowy
Urzędu Patentowego RP

UPRP - oficjalne wydawnictwa Biuletyn UPRP, Wiadomości UPRP

<http://portal.uprp.pl/wydawnictwa.html>

Strona główna

Bazy danych

Publikacje

• Wydawnictwa Oficjalne

• Serwer publikacji





• Klasyfikacje

Elektroniczny Urząd

Lista Rzeczników Patentowych

Biuletyny i Wiadomości UPRP

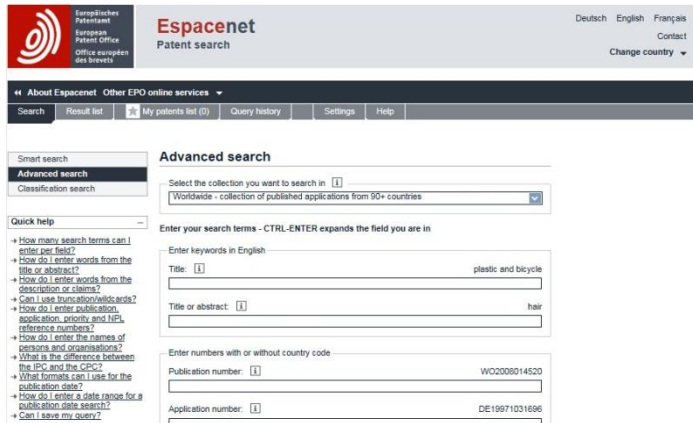
Biuletyn Urzędu Patentowego (BUP)

 [Rocznik 2016](#)
 [Rocznik 2015](#)
 [Rocznik 2014](#)
 [Rocznik 2013](#)

Wiadomości Urzędu Patentowego (WUP)

 [Rocznik 2016](#)
 [Rocznik 2015](#)
 [Rocznik 2014](#)
 [Rocznik 2013](#)

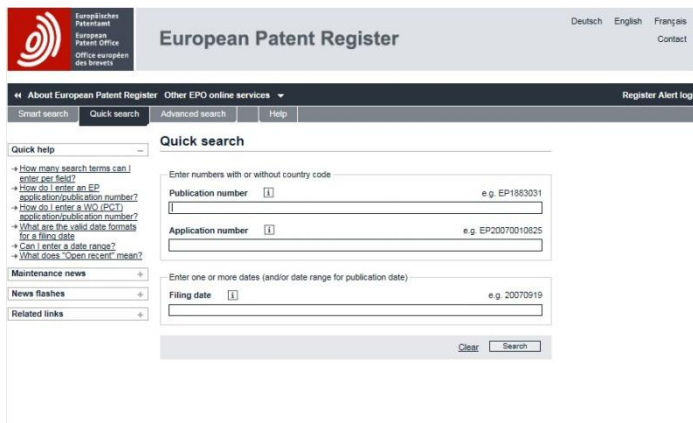
Przegląd źródeł informacyjnych



The screenshot shows the Espacenet Patent search interface. At the top, there is a header with the Espacenet logo and navigation links for Deutsch, English, Français, and Contact. Below the header, there is a navigation bar with options like 'About Espacenet', 'Other EPO online services', 'Search', 'Result list', 'My patents list (0)', 'Query history', 'Settings', and 'Help'. The main content area is divided into 'Smart search' and 'Advanced search' sections. The 'Advanced search' section includes a dropdown menu for 'Worldwide - collection of published applications from 90+ countries', a text input field for 'Enter your search terms - CTRL-ENTER expands the field you are in', and several input fields for 'Title', 'Publication number', and 'Application number'. The 'Title' field contains 'plastic and bicycle', the 'Publication number' field contains 'WC200814520', and the 'Application number' field contains 'DE19971031696'.

EPO – Espacenet

worldwide.espacenet.com

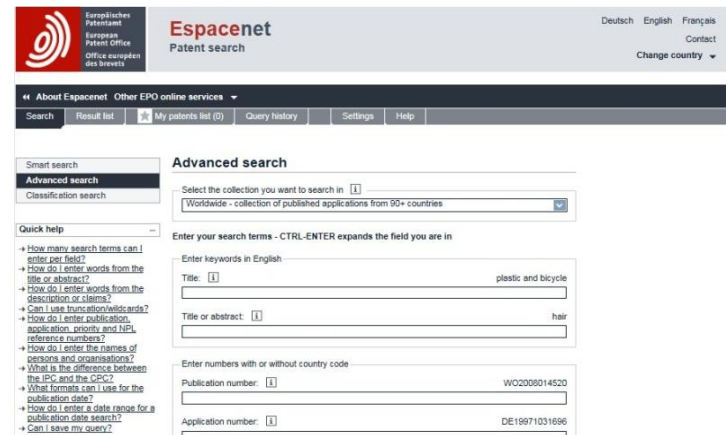
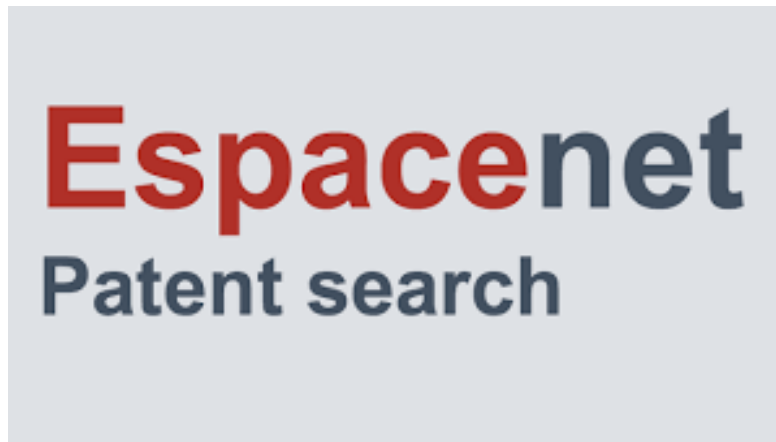


The screenshot shows the European Patent Register interface. At the top, there is a header with the European Patent Office logo and navigation links for Deutsch, English, Français, and Contact. Below the header, there is a navigation bar with options like 'About European Patent Register', 'Other EPO online services', 'Register Alert login', 'Smart search', 'Quick search', 'Advanced search', and 'Help'. The main content area is divided into 'Quick search' and 'Advanced search' sections. The 'Quick search' section includes a text input field for 'Enter numbers with or without country code', and several input fields for 'Publication number', 'Application number', and 'Filing date'. The 'Publication number' field contains 'EP1883031', the 'Application number' field contains 'EP20070010825', and the 'Filing date' field contains '20070919'. There are 'Clear' and 'Search' buttons at the bottom of the search area.

European Patent Register

register.epo.org

worldwide.espacenet.com



The screenshot shows the Espacenet Patent search website interface. At the top, there is a navigation bar with the Espacenet logo, the text "Espacenet Patent search", and language options (Deutsch, English, Français) and a "Change country" dropdown. Below the navigation bar, there is a search bar and a "Quick help" section. The "Advanced search" section is active, showing a dropdown menu for "Worldwide - collection of published applications from 90+ countries". The search results section displays two entries: "plastic and bicycle" with publication number WC2008014520 and "hair" with application number DE19971031666.



Espacenet - serwis Europejskiego Urzędu Patentowego

Baza danych EPO została uruchomiona w 1998 r.

Espacenet oferuje dostęp do informacji o wynalazkach **od XIX wieku** aż po dzień dzisiejszy

Espacenet zawiera dane o ponad **90 milionach** pdokumentów patentowych z całego świata

ESPACENET jest dostępny **bezpłatnie**, 24 godziny na dobę, 7 dni w tygodniu

Gdzie znaleźć Espacenet?




Europäisches Patentamt
European Patent Office
Office européen des brevets

[Website](#)
[Patents](#)

[Media](#)
[Contact](#)

[English](#)

[Home](#)
[Searching for patents](#)
[Applying for a patent](#)
[Law & practice](#)
[News & issues](#)
[Learning & events](#)
[About us](#)

Home > Searching for patents > Technical information > Espacenet - patent search

Espacenet - patent search

Global Patent Index (GPI)

Open Patent Services

European Publication Server

DOCDB

Searching Asian documents

EP full-text search

Espacenet patent search

 Print
  Share



Espacenet offers free access to information about inventions and technical developments from the 19th century right up to today.

[Open Espacenet](#)
[National patent offices' databases](#)

Accessible to beginners and experts, Espacenet contains data on more than 90 million patent documents from around the world. Supporting information can help you understand whether a patent has been granted and if it is still in force.

You can use Espacenet to:

- ✓ search and find patent publications
- ✓ machine-translate patent documents
- ✓ track the progress of emerging technologies
- ✓ find solutions to technical problems
- ✓ see what your competitors are developing

Support

Talk to EPO experts or get help from other users

> [Visit the discussion forum](#)

Contact

> [Contact us](#)

Common Citation Document (CCD)

> [Watch a recording of the webinar](#)

Patent information from Latin America

Join us for a day of presentations, discussions and hands-on training in Vienna on 31 January 2017

> [Register now](#)

www.epo.org/espacenet

Smart search

Advanced search

Classification search

Maintenance news

Espacenet outages

Regular maintenance outages:
scheduled between 05.00 and
05.15 hrs CET, Monday to
Saturday. → [read more...](#)

News flashes

Latest updates

Related links

Espacenet: free access to the database of over 90 million patents

Smart search:

Siemens EP 2007

[Clear](#)

New in Espacenet

You can now do full-text searches in English French or German. Simply select the database in the language you require.

Combisets – an ordered list of linked CPC symbols created by patent examiners – are now searchable in Smart search.

Secure access to Espacenet is now available. This means that you can search in Espacenet within a verified secure domain. It also verifies that all communications between your browser and the website are encrypted.

You can now access the Common Citation Document (CCD) via Cited documents as well as via the INPADOC patent family sections of Espacenet. Another option is to access it through the [official IP5 website](#). The CCD gives you an insight into how examiners in national patent offices look for prior art, and can help you get early certainty from their search reports on pending patent applications. [Try out CCD](#)

For more details, please see the [release notes](#)

Online products – need some answers?

Use the [discussion forum](#) and get all the latest news and views about our online products. Read the regular postings from the forum team, post your questions – and answer those of other users.

Smart search

Advanced search

Classification search

Quick help

→ [If I change my settings on one computer, will they be transferred to another?](#)

→ [What is the recommended software?](#)

→ [What are the recommended browsers?](#)

→ [Do I need to enable cookies on my PC?](#)

Settings

1. Enable query history

Tick the box to enable the query history

Number of query history entries to save: ▼

2. Enable classification popups

The pop-up is available on search results list, bibliographic view and classification search

3. Enable highlighting

Tick the box to activate the highlighting of search terms

Historia zapytań



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

Smart search
Advanced search
Classification search

Quick help —

- [How do I activate the query history?](#)
- [How long will my query history be saved for?](#)
- [Is there a limit to the number of queries that can be saved?](#)

Query history

Selection Compact

7 items in query history list

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | 1. desc=(CIGS or CIS) and metal and strip and (solar or sun) and (flexib* or elast*) and (cell* or panel* or batter*) |
| | desc=(CIGS or CIS) and metal and strip and (solar or sun) and (flexib* or elast*) and (cell* or panel* or batter*) Smart search |
| | 1 result found in the WORLDWIDE EN database on Wed, 07 Dec 2016 19:42 |
| <input type="checkbox"/> | 2. desc=CIGS and metal and strip and (solar or sun) and (flexib* or elast*) and cell* or panel* or batter* |
| | desc=CIGS and metal and strip and (solar or sun) and (flexib* or elast*) and cell* or panel* or batter* Smart search |
| | More than 10,000 results found in the WORLDWIDE EN database on Wed, 07 Dec 2016 19:38 |
| <input type="checkbox"/> | 3. Y02E10/30/low |
| | Y02E10/30/low as the Cooperative Patent Classification |
| | More than 10,000 results found in the Worldwide database on Wed, 07 Dec 2016 19:26 |
| <input type="checkbox"/> | 4. ocean and energy |
| | ocean and energy in the title or abstract |
| | Approximately 3523 results found in the Worldwide database on Wed, 07 Dec 2016 19:24 |
| <input checked="" type="checkbox"/> | 5. DE, F03D1/06 |
| | DE as the publication number AND F03D1/06 as the IPC classification |
| | Approximately 1261 results found in the Worldwide database on Wed, 07 Dec 2016 18:36 |
| <input type="checkbox"/> | 6. F03D1/06 |
| | F03D1/06 as the IPC classification |
| | More than 10,000 results found in the Worldwide database on Wed, 07 Dec 2016 18:35 |

Help

Search term(s):

Online tutorial and Help

Online Tutorial

Learn how to use Espacenet with our interactive e-learning modules.

[Espacenet assistant](#)

Espacenet discussion forum

Feel free to post your opinions, ask questions and share information with our experts and user community on our [Espacenet Forum](#).


Help indexes

Espacenet offers users a number of different types of help. There is a 'quick help' function on every search screen and results screen, FAQs and a Glossary of the words and terms used in Espacenet in the Help index. If you have any comments or suggestions, please write to patentinformation@epo.org.

Glossary

- [Abstract](#)
- ["Also published as" documents](#)
- [Applicant](#)
- [Application number](#)
- [Basic search tips](#)
- [Bibliographic data](#)
- [Boolean operators](#)

Interfejsy krajowe



Europäisches Patentamt
European Patent Office
Office européen des brevets

Espacenet

Patent search

Deutsch English Français

Contact

◀ About Espacenet Other EPO online services ▼

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

Smart search

Advanced search

Classification search

Espacenet: free access to the database

Smart search:

New in Espacenet

You can now do full-text searches in English French or German. Sir

Combisets – an ordered list of linked CPC symbols created by pate

Secure access to Espacenet is now available. This means that you

You can now access the Common Citation Document (CCD) via Ci


Espacenet. Another option is to access it through the [official IP5 we](#)

patent offices look for prior art, and can help you get early certainty from their search reports on pending patent applications. [Try out CCD](#)

Change country

↗ Albania	↗ Austria
↗ Belgium	↗ Bulgaria
↗ China	↗ Croatia
↗ Cyprus	↗ Czech Republic
↗ Denmark	↗ Estonia
↗ Eurasian Patent Organisation	↗ Finland
↗ France	↗ Germany
↗ Greece	↗ Hungary
↗ Iceland	↗ Ireland
↗ Italy	↗ Japan
↗ Korea	↗ Latipat
↗ Latvia	↗ Lithuania
↗ Luxembourg	↗ Monaco
↗ Netherlands	↗ Norway
↗ Poland	↗ Portugal
↗ Romania	↗ Russia
↗ San Marino	↗ Serbia
↗ Slovakia	↗ Slovenia
↗ Spain	↗ Sweden
↗ Switzerland	↗ Turkey

Maintenance news –

Espacenet outages 

Regular maintenance outages: scheduled between 05.00 and 05.15 hrs CET, Monday to Saturday. → [read more...](#)

News flashes +

Latest updates +

Related links +

Przeglądanie wyników, sortowanie, zapisywanie

Smart search

Advanced search

Classification search

Quick help

- [Can I subscribe to an RSS feed of the result list?](#)
- [What does the RSS reader do with the result list?](#)
- [Can I export my result list?](#)
- [What happens if I click on "Download covers"?](#)
- [Why is the number of results sometimes only approximate?](#)
- [Why is the list limited to 500 results?](#)
- [Can I deactivate the highlighting?](#)
- [Why is it that certain documents are sometimes not displayed in the result list?](#)
- [Can I sort the result list?](#)
- [What happens if I click on the star icon?](#)
- [What are XP documents?](#)
- [Can I save my query?](#)

Result list

Select all (0/25)
 Compact

39 results found in the Worldwide database for:
 ((txt = coff* and txt = capsul*) and txt = open*) and pd = 2016 using Smart search

1 2 ▸
 page 1

Sort by **Publication date** Sort order **Ascending**

1. AUTOMATIC MACHINE FOR PREPARING BEVERAGES, SUCH AS ESPRESSO **COFFEE**, CAPPUCCINO AND THE LIKE

★	Inventor: AARDENBURG CORNELIS J M [CH]	Applicant: AARDENBURG CORNELIS J M [CH] SWISS CAFFE ASIA LTD [CN]	CPC: <u>A23F5/14</u> <u>A47J31/36</u> <u>A47J31/4489</u> (+1)	IPC: A23F5/14 A47J31/36 A47J31/44 (+1)	Publication info: US 2016 249764 (A1) 2016 -09-01	Priority date: 2013-10-17
---	---	---	--	---	--	-------------------------------------

2. **COFFEE**, **CAPSULE**

★	Inventor: LANGHI LEONARDO CARLO MORFINI	Applicant: ALICE ALLISON SA	CPC: <u>B65D85/8043</u>	IPC: A47J31/06 A47J31/36 B65D77/00	Publication info: JP 2016 107068 (A) 2016 -06-20	Priority date: 2014-10-13
---	--	---------------------------------------	-----------------------------------	--	---	-------------------------------------

3. A **CAPSULE** SUITABLE TO BE USED IN **COFFEE** MACHINES

Dodawanie rekordów do My patents list

← About Espacenet Other EPO online services ▾

Search Result list **★ My patents list (2)** Query history Settings

Refine search → Results page 1

Smart search
Advanced search
Classification search

Quick help

- Can I subscribe to an RSS feed of the result list?
- What does the RSS reader do with the result list?
- Can I export my result list?
- What happens if I click on "Download covers"?
- Why is the number of results sometimes only approximate?
- Why is the list limited to 500 results?
- Can I deactivate the highlighting?
- Why is it that certain documents are sometimes not displayed in the result list?
- Can I sort the result list?
- What happens if I click on the star icon?
- What are XP documents?
- Can I save my query?

Related links +

Result list

Select all (1/25) Compact

Approximately 76 results found in the Worldwide (ti = geothermal and txt = energ*) and pn =

Sort by Sort order

1. METHOD AND DEVICE FOR DETECTING AND ANALYSING THE OPERATING PARAMETERS OF A GEOTHERMAL PROBE

★ Inventor: KÖLBEL THOMAS [DE] Applicant: ENBW EN BADEN WÜRTEMBERG

2. A GEOTHERMAL ENERGY PLANT AND METHOD FOR OPERATING THE SAME

★ Inventor: SØNJU OTTO KRISTIAN [NO] HALMRAST BJØRN [NO] (+1) Applicant: GEOVARME AS

3. GEOTHERMAL PROBE

★ Inventor: SALIDO GREGORIO JOSÉ [ES] Applicant: SALIDO GREGORIO JOSÉ [ES]

My patents list

Select all (0/3) Compact

3 items in my patents list

Sort by Sort order

1. METHOD AND DEVICE FOR DETECTING AND ANALYSING THE OPERATING PARAMETERS OF A GEOTHERMAL PROBE

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
KÖLBEL THOMAS [DE]	ENBW EN BADEN WÜRTEMBERG AG [DE]	F24J2/0433 F24J2200/06 F24J3/083 (+4)	F24J2/04 F24J3/08 G01D21/02	EP3012592 (A1) 2016-04-27	2013-01-31

2. GEOTHERMAL PROBE

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SALIDO GREGORIO JOSÉ [ES]	SALIDO GREGORIO JOSÉ [ES]	F24J3/085 F24J3/086 Y02E10/14 (+1)	F24J3/08	EP2896910 (A1) 2015-07-22 EP2896910 (A4) 2016-04-06	2013-02-05

Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SALIDO GREGORIO JOSÉ [ES]	SALIDO GREGORIO JOSÉ [ES]	F24J3/085 F24J3/086 Y02E10/14 (+1)	F24J3/08	EP2896910 (A1) 2015-07-22 EP2896910 (A4) 2016-04-06	2013-02-05



My patents list

AGH

- Search
- Result list
- ★ My patents list (6)**
- Query history
- Settings
- Help

- Smart search
- Advanced search
- Classification search

Quick help

- [Can I export this list?](#)
- [How do I remove documents from the list?](#)
- [What happens if I click on "Download"?](#)
- [How many documents can I store in the "My patents list"?](#)
- [Can I sort the "My patents list"?](#)
- [When will this list expire?](#)

My patents list

Select all (0/6)
 Compact
 Export (CSV | XLS)
 Remove selected

6 items in my patents list

Sort by Sort order

1. ELECTRICALLY POWERED PLAYGROUND EQUIPMENT

Inventor: JOSLYN ROBERT C [US] GEYER KATHLEEN A [US] (+3)	Applicant: MIRACLE RECREATION EQUIP [US]	CPC: G08B13/196 G08B15/00 G08B25/009 (+2)	IPC: G08B15/00 H04N7/18 G05D23/00	Publication info: CA2717524 (A1) 2011-04-12	Priority date: 2009-10-12
--	--	--	---	--	-------------------------------------

2. CAMERA AND IMAGING APPARATUS

Inventor: SUNAGA GOJI NAKAJIMA KUMIKO (+1)	Applicant: OLYMPUS CORP	CPC:	IPC: H04N5/225 H04N101/00	Publication info: JP2006148610 (A) 2006-06-08 JP4516413 (B2) 2010-08-04	Priority date: 2004-11-22
---	-----------------------------------	-------------	--	--	-------------------------------------

3. Kinderqarten safety protection monitoring system

Inventor: ZHENGANG MAO	Applicant: TIANJIN GREAT WALL KEAN ELECTRONICS TECHNOLOGY CO LTD	CPC:	IPC: G07C9/00 H04N7/18	Publication info: CN202190353 (U) 2012-04-11	Priority date: 2011-07-05
----------------------------------	---	-------------	-------------------------------------	---	-------------------------------------

4. School network monitor

Inventor: YAO JUXIANG	Applicant: YAO JUXIANG	CPC:	IPC: H04N7/18	Publication info: CN102811339 (A) 2012-12-05	Priority date: 2011-05-30
---------------------------------	----------------------------------	-------------	-------------------------	---	-------------------------------------

Załaduj pierwsze strony dokumentów

Result list

Select all (0/25)
 Compact
 Export (CSV | XLS)

39 results found in the Worldwide database for:
 ((txt = coff* and txt = capsul*) and txt = open*) and pd = 2016 using Smart search

Sort by Applicant Sort order Ascending

Result list

Select all (25/25)
 Compact
 Export (CSV | XLS)

39 results for
 ((txt = coff*

Sort by Applicant

1. AUTOM

★ Inventor:
 AARDE
 J M [CH

2. COFFE

★ Inventor:
 LANGHI
 CARLO

3. A CAPSULE SUITABLE TO BE USED IN COFFEE MACHINES

★ Inventor: GERZELI ISMAIL [TR] ARCELIK AS [TR] CENGIZ OSMAN [TR] (+1)
 Applicant: ARCELIK AS [TR]
 CPC: B65D85/8043 IPC: B65D85/804
 Publication: WO 2016/089330 (A1) 2016-06-09

Espacenet verification

Please enter the digits that can be read in the image below:

37 7052

WARNING: Please do not close the Captcha dialog until the download has finished saving the file on your disk

...RING BEVERAGES, SUCH AS ESPRESSO COFFEE, CAPPUCCINO AND THE LIKE

Inventor:	CPC:	IPC:	Publication info:	Priority date:
...NBURG CORNELIS J M	A23F5/14 A47J31/36	A23F5/14 A47J31/36	US 2016/249764 (A1) 2016-09-01	2013-10-17
...CAFFE ASIA LTD [CN]	A47J31/4489 (+1)	A47J31/44 (+1)		

Inventor:	CPC:	IPC:	Publication info:	Priority date:
...LLISON SA	B65D85/8043	A47J31/06 A47J31/36 B65D77/00	JP 2016/107068 (A) 2016-06-20	2014-10-13

...D IN COFFEE MACHINES

Inventor:	CPC:	IPC:	Publication info:	Priority date:
...K AS [TR]	B65D85/8043	B65D85/804	WO 2016/089330 (A1) 2016-06-09	2014-12-03

★ Publication:
 JP 2016/107068 (A)
 2016-06-20

Załaduj pierwsze strony dokumentów

Espacenet search results on **08-12-2016 02:00**

39 results found in the Worldwide database for:

((txt = coff* and txt = capsul*) and txt = open*) and pd = 2016 using Smart search

Displaying selected publications

Publication	Title	Page
US2016249764 (A1)	AUTOMATIC MACHINE FOR PREPARING BEVER...	2
JP2016107068 (A)	COFFEE CAPSULE	3
WO2016089330 (A1)	A CAPSULE SUITABLE TO BE USED IN COFF...	4
WO2016089328 (A1)	A COFFEE MACHINE AND A CAPSULE SUITAB...	5
WO2016089329 (A1)	A CAPSULE SUITABLE TO BE USED IN COFF...	6
MX2015017139 (A)	CAPSULE FOR PREPARING BEVERAGES.	7
EP2995577 (A1)	INEXPENSIVE UNIVERSAL COMPATIBLE AIRT...	8
WO2016120667 (A1)	AN APPARATUS FOR TREATING USED CAPSUL...	9
WO2016120668 (A1)	AN APPARATUS FOR TREATING USED CAPSUL...	10
CN205203829 (U)	Coffee capsules	11
KR20160006361 (A)	COFFEE CAPSULES	12
CN205322111 (U)	Novel coffee capsule cup	13
CN105520647 (A)	Coffee making machine, protection dev...	14
CN205286049 (U)	Multifunctional beverage machine	15
KR20160006277 (A)	DEVICE OF PRESSING FOR A COFFEE CAPSULE	16

Ekspert danych bibliograficznych do pliku xls

Result list

Select all (25/25)
 Compact
 Export ([CSV](#) | [XLS](#))
 Download covers
 Print

39 results found in the Worldwide database for:
 ((txt = coff* and txt = capsul*) and txt = open*) and pd = 2016 using Smart search

1 2 ▸
 page 1

Sort by Sort order

1. **AUTOMATIC MACHINE FOR PREPARING BEVERAGES, SUCH AS ESPRESSO** **COFFEE**, **CAPPUCCINO AND THE LIKE**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
AARDENBURG CORNELIS J M [CH]	AARDENBURG CORNELIS J M [CH] SWISS CAFFE ASIA LTD [CN]	A23F5/14 A47J31/36 A47J31/4489 (+1)	A23F5/14 A47J31/36 A47J31/44 (+1)	US 2016 249764 (A1) 2016 -09-01	2013-10-17

2. **COFFEE** **CAPSULE**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
LANGHI LEONARDO CARLO MORFINI	ALICE ALLISON SA	B65D85/8043	A47J31/06 A47J31/36 B65D77/00	JP 2016 107068 (A) 2016 -06-20	2014-10-13

3. **A** **CAPSULE** **SUITABLE TO BE USED IN** **COFFEE** **MACHINES**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
GERZELI ISMAIL [TR] CENGIZ OSMAN [TR] (+1)	ARCELIK AS [TR]	B65D85/8043	B65D85/804	WO 2016 089330 (A1) 2016 -06-09	2014-12-03

Przeglądanie danych w bazie - opis wynalazku

Description: US 2006 011472 (A1) — 2006-01-19

★ In my patents list

Previous

1 / 25


Next

Report data error

Print

Deep well **geothermal** hydrogen generator

Description of US2006011472 (A1)

Translate this text into 

Select language



patenttranslate

powered by EPO and Google

The EPO does not accept any responsibility for the accuracy of data and information originating from other authorities than the EPO; in particular, the EPO does not guarantee that they are complete, up-to-date or fit for specific purposes.

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] Not applicable to this application.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

[0002] Not applicable to this application.

BACKGROUND OF THE INVENTION

[0003] 1. Field of the Invention

[0004] The present invention relates generally to hydrogen producing systems and more specifically it relates to a deep well geothermal hydrogen generator for efficiently producing hydrogen gas with geothermal energy.

[0005] 2. Description of the Related Art

[0006] Electrolysis has been in use for year for splitting water molecules to create pure hydrogen and oxygen. An electrolyzer is a device which uses electricity to dissociate hydrogen and oxygen from water molecules. The electrolyzer contains an electrolyte solution such as potassium hydroxide (KOH), or a solid polymer electrolyte. The electrolyte is a chemical compound that is ionized: its atoms or molecules have lost electrons and are electrically charged. Thus, the electrolyte substance is electrically conductive. When power is applied to an electrolyzer, the electrodes transmit the charge through the electrolyte which weakens the bond between the hydrogen and oxygen in the water molecules in the electrolyte solution, and thus releases hydrogen and oxygen gas. The oxygen gas can either be processed and stored, or released into the atmosphere. The hydrogen gas is then passed through a gas processing system.

US2006011472 (A1)

Biographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Przeglądanie danych w bazie - zastrzeżenia

US2006011472 (A1)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family


Claims: US 2006 011472 (A1) — 2006-01-19

★ In my patents list Previous 1 / 25 ▶ Next  Report data error

 Print

Deep well **geothermal** hydrogen generator

Claims of US2006011472 (A1)

Translate this text into 

Select language

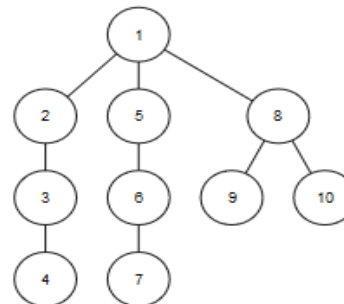
 **patenttranslate** powered by EPO and Google

Original claims

Claims tree

The EPO does not accept any responsibility for the accuracy of data and information originating from other authorities than the EPO; in particular, the EPO does not guarantee that they are complete, up-to-date or fit for specific purposes.

1. A deep well geothermal hydrogen generator, comprising:
 an electrolyzer positioned within a deep well at a depth of at least 500 feet; and
 at least one generator having an input port and an output port, wherein said output port is fluidly connected to said deep well and electrically connected to said electrolyzer for providing electrical energy to said electrolyzer.



Przeglądanie danych w bazie – mozaika

US2006011472 (A1)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Quick help

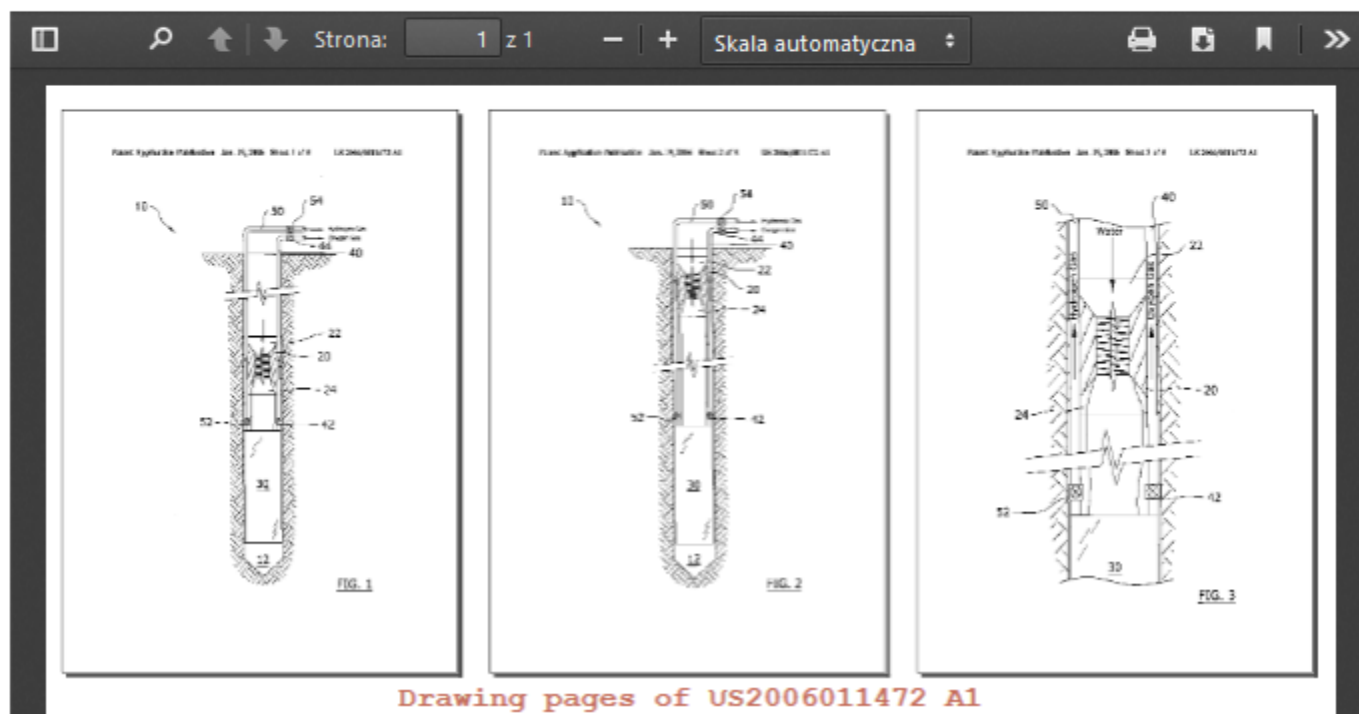
- [What happens if I click on "In my patents list"?](#)
- [What happens if I click on the "Register" button?](#)
- [What is a mosaic?](#)
- [What is Global dossier?](#)

Mosaics: US 2006 011472 (A1) — 2006-01-19

★ In my patents list Previous 1 / 25 Next Report data error

Deep well **geothermal** hydrogen generator

Page 1 / 1 Drawings Download



Przeglądanie danych w bazie – załaduj pełen tekst

US2006011472 (A1)

- Bibliographic data
- Description
- Claims
- Mosaics
- Original document**
- Cited documents
- Citing documents
- INPADOC legal status
- INPADOC patent family

Quick help

- [What happens if I click on "In my patents list"?](#)
- [What happens if I click on the "Register" button?](#)
- [How can I maximise the page](#)


Original document: US 2006 011472 (A1) — 2006-01-19

★ In my patents list Previous 1 / 25 Next Report data error Print

Deep well **geothermal** hydrogen generator

Page 1/9 Abstract Bibliography Maximise **Download**

Strona: 1 z 1 Skala automatyczna



US 20060011472A1

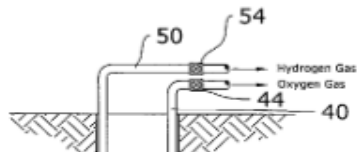
(19) **United States**
(12) **Patent Application Publication** (10) Pub. No.: **US 2006/0011472 A1**
Flick (43) Pub. Date: **Jan. 19, 2006**

(54) **DEEP WELL GEOTHERMAL HYDROGEN** (52) U.S. CL. 204/276; 204/278

by J. Flick, Moorhead, MN (US)

ABSTRACT

A deep well geothermal hydrogen generator for efficiently producing hydrogen gas with geothermal energy. The deep well geothermal hydrogen generator includes an electrolyzer positioned within a deep well, and a generator fluidly connected to the deep well and electrically connected to the electrolyzer for providing electrical energy to the electrolyzer. Water is provided to the upper portion of the deep well and passes through the generator thereby producing electricity. The water continues downwardly to the lower portion of the deep well at an increased pressure where the electrolyzer gasifies the water into hydrogen gas and oxygen gas. The hydrogen and oxygen are pressurized thereby forcing the same upwardly from the lower portion of the deep well.



Original **Espacenet verification**

★ In my pa

Please enter the digits that can be read in the image below:

027978

 Submit

WARNING: Please do not close the Captcha dialog until the download has finished saving the file on your disk

[Close this window](#)

Bibliographic data: EP3039354 (A1) — 2016-07-06

[★ In my patents list](#)
[Previous](#)
◀ 2 / 76 ▶

[Next](#)
[EP Register](#)
[Report data error](#)
 Print

A **GEOTHERMAL ENERGY** PLANT AND A METHOD FOR ESTABLISHING SAME

Page bookmark [EP3039354 \(A1\) - A GEOTHERMAL ENERGY PLANT AND A METHOD FOR ESTABLISHING SAME](#)

Inventor(s): SØNJU OTTO KRISTIAN [NO]; HALMRAST BJØRN [NO]; MOE PER THOMAS [NO] ±


Applicant(s): GEOVARME AS [NO] ±

Classification:

- international: [E21B7/00](#); [E21B7/06](#); [F24J3/08](#); [F28D20/00](#)
- cooperative: [E21B7/00](#); [E21B7/061](#); [F24J3/081](#); [Y02E10/12](#)


Application number: EP20140839396 20140827  [Global Dossier](#)

Priority number(s): [NO20130001146](#) 20130827 ; [WO2014NO50153](#) 20140827

Also published as: → [EP3039354 \(A4\)](#)  [WO2015030601 \(A1\)](#)  [US2016245550 \(A1\)](#)  [CA2922626 \(A1\)](#)

Abstract not available for EP3039354 (A1)

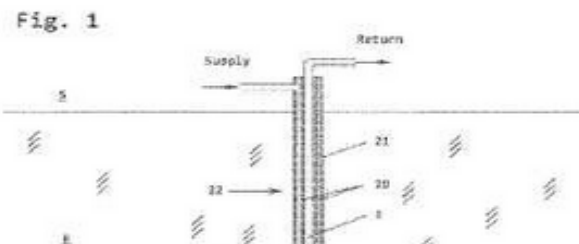
Abstract of corresponding document: WO2015030601 (A1)

Translate this text into 

Select language

 **patenttranslate** powered by EPO and Google

A plant for exploiting geothermal **energy** by circulating water or another fluid through a non-porous geological formation at a substantial depth below the earth surface, comprising multiple heat absorbing / production holes penetrating the said formation, with a total length of several kilometers and spaced more than 50 m apart. The production holes are connected to the surface by one single combined supply and return hole in which upward and downward flow is separated by a pipe comprising an insulating material and a seal. At the given positions of the common supply and return hole manifold zone designs connect the hole to the multiple production holes. The supply and return holes and production holes are closed circuits for transport of a fluid such as water



Bibliographic data: EP3039354 (A1) — 2016-07-06

★ In my patents list Previous ◀ 2 / 76 ▶ Next ⤵ EP Register 📄 Report data error 🖨️ Print

A **GEOHERMAL ENERGY** PLANT AND A METHOD FOR ESTABLISHING SAME

Page bookmark [EP3039354 \(A1\) - A GEOHERMAL ENERGY PLANT AND A METHOD FOR ESTABLISHING SAME](#)

Inventor(s): SØNJU OTTO KRISTIAN [NO]; HALMRAST BJØRN [NO]; MOE PER THOMAS [NO] ±

Applicant(s): GEOVARME AS [NO] ±

Classification: - international: [E21B7/00](#); [E21B7/06](#); [F24J3/08](#); [F28D20/00](#)

- cooperative: [E21B7/00](#); [E21B7/061](#); [F24J3/081](#); [Y02E10/12](#)

Application number: [EP20140839396](#) [20140827](#) ⓘ [Global Dossier](#)

Priority number(s): [NO20130001146](#) [20130827](#) ; [WO2014050155](#) [20140827](#)

Also published as: → [EP3039354 \(A4\)](#) 📄 [WO2015030601 \(A1\)](#) 📄 [US2016245550 \(A1\)](#) 📄 [CA2922626 \(A1\)](#)

Abstract not available for EP3039354 (A1)

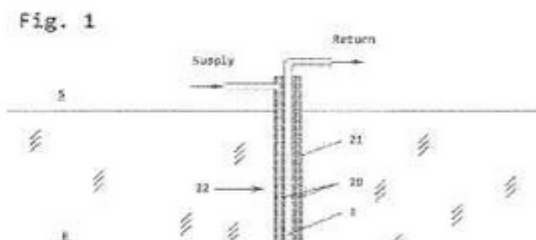
Abstract of corresponding document: [WO2015030601 \(A1\)](#)

Translate this text into ⓘ

Select language ▼

↔ **patenttranslate** powered by EPO and Google

A plant for exploiting geothermal **energy** by circulating water or another fluid through a non-porous geological formation at a substantial depth below the earth surface, comprising multiple heat absorbing / production holes penetrating the said formation, with a total length of several kilometers and spaced more than 50 m apart. The production holes are connected to the surface by one single combined supply and return hole in which upward and downward flow is separated by a pipe comprising an insulating material and a seal. At the given positions of the common supply and return hole manifold zone designs connect the hole to the multiple production holes. The supply and return holes and production holes are closed circuits for transport of a fluid such as water



Strategia wyszukiwania

przygotuj słowa kluczowe

odszukaj klasy patentowe

łącz terminy z klasami w różnych kombinacjach

używaj różnych operatorów

logicznych (Boole'a), proximity (bliskości),

truncation (maskujące)

Synonimy



Uwzględnienie synonimów (w różnych językach) zwiększy **kompletność** wyników.

źródło: A.Riechel, *Different kinds of searches*, WIPO, Cebu and Manila 7-11 March 2011

Homonimy



Wykluczenie homonimów zwiększy **dokładność** zapytania!

źródło: A.Riechel, Different kinds of searches, WIPO, Cebu and Manila 7-11 March 2011



WIKIPEDIA
The Free Encyclopedia

- [Main page](#)
- [Contents](#)
- [Featured content](#)
- [Current events](#)
- [Random article](#)
- [Donate to Wikipedia](#)

Interaction

- [Help](#)
- [About Wikipedia](#)
- [Community portal](#)
- [Recent changes](#)
- [Contact Wikipedia](#)

Toolbox

Article [Talk](#)

[Read](#)

[Edit](#)

[View history](#)

Search



Gear

From Wikipedia, the free encyclopedia

For the gear-like device used to drive a roller chain, see [Sprocket](#).

This article is about mechanical gears. For other uses, see [Gear \(disambiguation\)](#).

A **gear** is a [rotating machine](#) part having cut *teeth*, or *cogs*, which *mesh* with another toothed part in order to transmit [torque](#). Two or more gears working in tandem are called a [transmission](#) and can produce a [mechanical advantage](#) through a [gear ratio](#) and thus may be considered a [simple machine](#). Geared devices can change the speed, torque, and direction of a [power source](#). The most common situation is for a gear to mesh with another gear, however a gear can also mesh a non-rotating toothed part, called a rack, thereby producing [translation](#) instead of rotation.

The gears in a transmission are analogous to the wheels in a [pulley](#). An advantage of gears is that the teeth of a gear prevent slipping.

When two gears of unequal number of teeth are combined a mechanical advantage is produced, with both the [rotational speeds](#) and the torques of the two gears differing in a simple relationship.

In transmissions which offer multiple gear ratios, such as bicycles and cars, the term **gear**, as in *first gear*, refers to a gear ratio rather than an actual physical gear. The term is used to describe similar devices even when gear ratio is [continuous](#) rather than [discrete](#), or when the device does not actually contain any gears, as in a [continuously variable transmission](#).^[1]

The earliest known reference to gears was circa A.D. 50 by [Hero of Alexandria](#),^[2] but they can be traced back to the [Greek](#) mechanics of the [Alexandrian school](#) in the 3rd century B.C. and were greatly developed by the Greek polymath [Archimedes](#) (287–212 B.C.).^[3] The [Antikythera mechanism](#) is an example of a very early and intricate geared device, designed to calculate [astronomical](#) positions. Its time of construction is now estimated between 150 and 100 BC.^[4]



Two meshing gears transmitting rotational motion. Note that the smaller gear is rotating faster. Although the larger gear is rotating less quickly, its torque is proportionally greater. One subtlety of this particular arrangement is that the linear speed at the rim is the same on both gears.

Operatory w bazie Espacenet

Operatory logiczne - Boole'a

- Boolean operator **AND**

część wspólna dwóch lub więcej terminów

wyszukiwanie zbioru dokumentów zawierających obydwa terminy

przykład: **shampoo AND lotion**

- Boolean operator **OR**

wyszukiwanie grupy dokumentów zawierających jeden lub więcej wskazanych terminów,

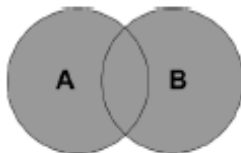
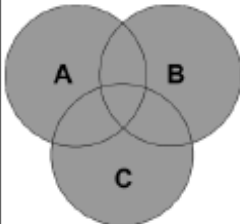
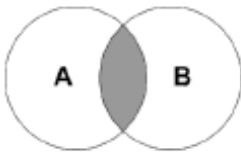
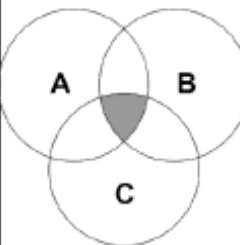
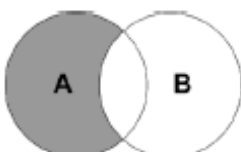
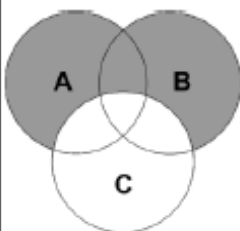

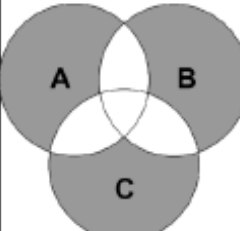
przykład: **shampoo OR lotion**

- Boolean operator **NOT**

wykluczenie jednego lub więcej wskazanych terminów

przykład: **shampoo AND NOT lotion**

Boolean operators

Boolean Operator	Expressions	Explanation	Usage	Illustration	Illustration
OR	A OR B A OR B OR C	Retrieves records in which AT LEAST ONE of the search terms is present	<ul style="list-style-type: none"> - Search for synonyms - Include different spellings - Retrieve more records 		
AND	A AND B A AND B AND C	Retrieves records in which ALL of the search terms are present	<ul style="list-style-type: none"> - Reduce number of records found 		
NOT	A AND NOT B (A OR B) AND NOT C	Retrieves records in which a certain search term is NOT present	<ul style="list-style-type: none"> - Exclude search terms from search results 		
XOR	A XOR B A XOR B XOR C	Retrieves records where ONE OR THE OTHER search term is present but NOT BOTH			

Operatory w bazie Espacenet

Operatory maskowania – wildcards

- **?** zastępuje 0 lub 1 znak,
- **#** zastępuje obowiązkowo 1 znak
- ***** zastępuje nieograniczoną ilość znaków

Espacenet truncations (wildcards)

? Replaces 0 or 1 character

car? ► car, cars, card, ~~cards~~, ~~carrier~~

Replaces exactly 1 character

car# ► ~~car~~, cars, card, ~~cards~~, ~~carrier~~

* Replaces a character string of any length

car* ► car, cars, card, cards, carrier

Only right-hand truncation

car* ► car, cars, card, carrier, ~~car*s~~

Dla celów wyszukiwania informacji patentowej opracowano różne systemy klasyfikacji patentowych

- **IPC (MKP)** - Międzynarodowa Klasyfikacja Patentowa
- **CPC** – Cooperative Patent Classification - klasyfikacja Europejskiego Urzędu Patentowego oraz USPTO
- **UCPC** - Klasyfikacja Patentowa Amerykańskiego Urzędu Patentowego
- **FI-term** - Klasyfikacja Patentowa Japońskiego Urzędu Patentowego

Działy klasyfikacji MKP

MKP obejmuje cały zakres wiedzy, w którym możliwe jest dokonywanie wynalazków, jest klasyfikacją rzeczową, opartą na układzie przedmiotowym.

W MKP zastosowano podział na 8 działów, z których każdy obejmuje odrębny zakres wiedzy technicznej. Działy oznaczone są literami od A do H

- A** DZIAŁ A— PODSTAWOWE POTRZEBY LUDZKIE
- B** DZIAŁ B—RÓŻNE PROCESY PRZEMYSŁOWE; TRANSPORT
- C** DZIAŁ C— CHEMIA; METALURGIA
- D** DZIAŁ D —WŁÓKIENICTWO; PAPIERNICTWO
- E** DZIAŁ E —BUDOWNICTWO; GÓRNICTWO
- F** DZIAŁ F — BUDOWA MASZYN; OŚWIETLENIE; OGRZEWANIE; UZBROJENIE; TECHNIKA MINERSKA
- G** DZIAŁ G—FIZYKA
- H** DZIAŁ H— ELEKTROTECHNIKA

Classification systems

The **IPC** has a hierarchical structure:

Sections A, B, C, D, E, F, G, H

Classes e.g. A47

Sub-classes e.g. A47J

Groups e.g. A47J37

Sub-groups e.g. A47J37/08

CPC e.g. A47J37/0821

Cooking; Apparatus for making beverages

A47J 37/00 Baking; Roasting; Grilling; Frying (bakers' ovens, non-domestic baking apparatus or equipment **A21B**; domestic stoves or ranges **F24B**, **F24C**)

A47J 37/06 • Roasters; Grills; Sandwich grills

A47J 37/08 •• Bread-toasters (electric heating elements **H05B**)

A47J 37/0814 ••• [with automatic bread ejection or timing means] (**A47J 37/0857** takes precedence)

A47J 37/0821 •••• [with mechanical clockwork timers]



Międzynarodowa Klasyfikacja Patentowa

International Patent Classification

Dostępna w języku angielskim i francuskim na stronie
World Intellectual Property Organisation

<http://www.wipo.int/classifications/ipc/en/>

Klasyfikacja jest dostępna w polskiej wersji językowej
na stronie UPRP

<http://mkp.uprp.pl>

Cooperative Patent Classification (CPC) jest nowym systemem uruchomionym **1 stycznia 2013** roku.

- Klasyfikacja powstała jako owoc współpracy EPO i USPTO, łączy najlepsze zalety dotychczasowych klasyfikacji ECLA oraz USPC.
- Schemat oparty jest na klasyfikacji ECLA, zawiera jednak około **250 000** haseł w porównaniu do 77 000 haseł w MKP oraz 160 000 haseł w ECLA (klasyfikacja europejska)
- Symbole CPC stosowane są w bazach danych, nie są zamieszczane na dokumentach

CPC – Cooperative Patent Classification

Cooperative Patent Classification

Search for

View section

Index

[A](#)

[B](#)

[C](#)

[D](#)

[E](#)

[F](#)

[G](#)

[H](#)

[Y](#)

A »

Symbol	Classification and description		
<input type="checkbox"/> A	HUMAN NECESSITIES [2013-01-01]	<input type="button" value="s"/>	
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> C	CHEMISTRY; METALLURGY [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> D	TEXTILES; PAPER [2013-01-01]	<input type="button" value="s"/>	
<input type="checkbox"/> E	FIXED CONSTRUCTIONS [2013-01-01]	<input type="button" value="s"/>	
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> G	PHYSICS [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> H	ELECTRICITY [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> 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 [2013-01-01]	<input type="button" value="s"/>	<input type="button" value="i"/>

CPC – jak znaleźć symbol klasyfikacji?

Cooperative Patent Classification

Search for

View section | [Index](#) | [A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [Y](#)

« Y02E Y02E20/00 »

Symbol	Classification and description
★ ★ ★ ★ ★ <input type="checkbox"/> Y02E 10/00	Energy generation through renewable energy sources
<input type="checkbox"/> Y02E 10/10	<ul style="list-style-type: none"> • Geothermal energy
<input type="checkbox"/> Y02E 10/12	<ul style="list-style-type: none"> •• Earth coil heat exchangers
<input type="checkbox"/> Y02E 10/125	<ul style="list-style-type: none"> ••• Compact tube assemblies, e.g. geothermal probes
<input type="checkbox"/> Y02E 10/14	<ul style="list-style-type: none"> •• Systems injecting medium directly into ground, e.g. hot dry rock system, underground water
<input type="checkbox"/> Y02E 10/16	<ul style="list-style-type: none"> •• Systems injecting medium into a closed well
<input type="checkbox"/> Y02E 10/18	<ul style="list-style-type: none"> •• Systems exchanging heat with fluids in pipes, e.g. fresh water or waste water
★ ★ <input type="checkbox"/> F24J 3/00	Other production or use of heat, not derived from combustion (use of solar heat F24J 2/00)
★ ★ <input type="checkbox"/> F03G 7/00	Mechanical-power-producing mechanisms, not otherwise provided for or using energy sources not otherwise provided for { (micro-structural devices or systems, e.g. micro-mechanical devices B81B)}
★ ★ <input type="checkbox"/> F28F 27/00	Control arrangements or safety devices specially adapted for heat-exchange or heat-transfer apparatus (control arrangements in general G05)
★ ★ <input checked="" type="checkbox"/> Y02B 10/00	Integration of renewable energy sources in buildings
★ ★ <input type="checkbox"/> F25B 30/00	Heat pumps
★ ★ <input type="checkbox"/> F24D 10/00	District heating systems

CPC – jak znaleźć definicję symbolu klasyfikacji?

Cooperative Patent Classification

Search for

[View section](#)

[Index](#)

[A](#)

[B](#)

[C](#)

[D](#)

[E](#)

[F](#)

[G](#)

[H](#)

[Y](#)



[« Y02E40/00](#)

[Y02E60/00 »](#)

Symbol	Classification and description	
<input type="checkbox"/> 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	<input type="button" value="S"/> <input type="button" value="i"/>
<input type="checkbox"/> Y02	TECHNOLOGIES OR APPLICATIONS FOR MITIGATION OR ADAPTATION AGAINST CLIMATE CHANGE	<input type="button" value="i"/>
<input type="checkbox"/> Y02E	REDUCTION OF GREENHOUSE GASES [GHG] EMISSION, RELATED TO ENERGY GENERATION, TRANSMISSION OR DISTRIBUTION	<input type="button" value="S"/>
<input type="checkbox"/> Y02E 50/00	Technologies for the production of fuel of non-fossil origin	
<input type="checkbox"/> Y02E 50/10	• Biofuels	



Finding sustainable technologies in patents



Y02E: CCMTs in energy generation, transmission and distribution

Y02E tags cover energy sources that are alternatives to fossil fuels. They also cover technologies for using sustainable fossil fuels for energy generation, as well as more efficient transmission and distribution technologies, and enabling technologies for alternative energy sources. There are seven main technical areas, divided into over 200 sub-categories in total.

Y02E	Description	Comment
10/00	Energy generation through renewable energy sources	Geothermal, hydro, oceanic, solar (PV and thermal), wind
20/00	Combustion technologies with mitigation potential	CHP, CCGT, IGCC, synair, cold flame, etc.
30/00	Energy generation of nuclear origin	Fusion and fission
40/00	Technologies for efficient electrical power generation, transmission or distribution	Reactive power compensation, superconductors, smart grids for the efficient operation of power networks
50/00	Technologies for the production of fuel of non-fossil origin	Biofuels, from waste
60/00	Technologies with potential or indirect contribution to GHG emissions mitigation	Energy storage (batteries, ultracapacitors, flywheels), hydrogen technology, fuel cells, smart grids as enabling technology in power distribution
70/00	Other energy conversion or management systems reducing GHG emissions	Synergies among renewable energies, fuel cells and energy storage

Advanced search

Select the collection you want to search in

Worldwide - collection of published applications from 90+ countries

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title: plastic and bicycle

capsul* AND (coff* or beverag*)

Title or abstract: hair

Enter one or more classification symbols

CPC

IPC H03M1/12

A47J31 or B65D

TITLE:
CAPSUL* AND
(COFF* OR
BEVERAGE*)

IPC:
A47J31* or B65D*

4. **SUPPORT AND CAPSULE** FOR PREPARING A **BEVERAGE** BY CENTRIFUGATION. SYSTEM AND METHOD FOR PREPARING A **BEVERAGE** BY CENTRIFUGATION

★ Inventor: JARISCH CHRISTIAN [CH] KAESER STEFAN [CH] (+1)	Applicant: NESTEC SA [CH]	CPC: <u>A47J31/22</u> <u>A47J31/4492</u> <u>G06K19/08168</u>	IPC: A47J31/22 A47J31/44 G06K19/08	Publication info: WO 2013072351 (A1) 2013-05-23	Priority date: 2011-11-18
---	------------------------------	---	---	--	------------------------------

5. **OPTICAL READABLE CODE SUPPORT AND CAPSULE** FOR PREPARING A **BEVERAGE** HAVING SUCH CODE SUPPORT PROVIDING AN ENHANCED READABLE OPTICAL SIGNAL

★ Inventor: NORDQVIST DAVID [CH] ABEGGLEN DANIEL [CH] (+2)	Applicant: NESTEC SA [CH]	CPC: <u>A47J31/4492</u>	IPC: A47J31/44	Publication info: WO 2013072328 (A1) 2013-05-23	Priority date: 2011-11-15
---	------------------------------	----------------------------	--------------------------	--	------------------------------

6. **SUPPORT AND CAPSULE** FOR PREPARING A **BEVERAGE** BY CENTRIFUGATION. SYSTEM AND METHOD FOR PREPARING A **BEVERAGE** BY CENTRIFUGATION

★ Inventor: JARISCH CHRISTIAN [CH] KAESER STEFAN [CH] (+1)	Applicant: NESTEC SA [CH]	CPC: <u>A47J31/4492</u> <u>G06K19/08168</u>	IPC: A47J31/44 G06K19/08	Publication info: WO 2013072297 (A1) 2013-05-23	Priority date: 2011-11-15
---	------------------------------	---	---------------------------------------	--	------------------------------

7. **CAPSULE** FOR PREPARING A **BEVERAGE** WITH ENHANCED SEALING MEANS

★ Inventor: PERENTES ALEXANDRE [CH] ABEGGLEN DANIEL [CH] (+4)	Applicant: NESTEC SA [CH]	CPC: <u>B65D85/8043</u>	IPC: B65D 35/804	Publication info: WO 2013088242 (A1) 2013-05-16	Priority date: 2011-11-07
---	------------------------------	----------------------------	----------------------------	--	------------------------------

8. **Capsule** for the preparation of a **coffee** extract having a structure facilitating perforation for injection of water

★ Inventor: YOAKIM ALFRED [CH] KOLLEP ALEXANDRE [CH] (+1)	Applicant: NESTEC SA [CH]	CPC: <u>B65D85/8043</u>	IPC: B65D 35/804	Publication info: EP 2592021 (A1) 2013-05-15	Priority date: 2009-08-19
--	------------------------------	----------------------------	----------------------------	---	------------------------------

Capsule for the preparation of a **coffee** extract having a structure facilitating perforation for injection of water

Page bookmark	EP2592021 (A1) - Capsule for the preparation of a coffee extract having a structure facilitating perforation for injection of water
Inventor(s)	YODAM ALFRED [CH]; KOLLER ALEXANDRE [CH]; BORNE PATRICE [CH] +
Applicant(s)	NESTLE SA [CH] +
Classification	- international: B65D 85/04 - cooperative: B65D85/043
Application number	EP20130153800 20100420
Priority number(s)	EP20090165130 20090519 ; EP20090174573 20091030 ; EP20100151761 20100127 ; EP20100160385 20100420 ; EP20130153800 20100420
Also published as:	FR29287090 (A1) ; FR29287090 (B1) ; FR29287090 (A1) ; FR29287090 (B1) ; FR29287090 (A1) ; FR29287090 (B1) →more

Abstract of EP2592021 (A1)

Translate this text into [\[i\]](#)

Chinese [patenttranslate](#) powered by EPO and Google

Capsule (1) for the preparation of a coffee extract from coffee contained in the capsule and hot water injected under pressure in the capsule by a water injection device, said capsule comprising: a frusto-conical body (2) comprising a rim (2), a sidewall (4) and an inlet wall (5); the inlet wall comprising a flat or convex portion (6), a lower delivery wall (7) sealed to the rim (2) of the body, a predosed amount of coffee in the capsule, wherein the flat convex portion (6) has a structure (8; 80, 81, 82, 83, 84, 85, 86, 87, 88) in relief or in recess, wherein the structure in relief or in recess is arranged for facilitating penetration of blades belonging to the injection device and extends on a substantially circular path of predetermined radius R1 equal to the radius R2 of the circular path along which the blades (20, 21, 22) of the injection device extend.

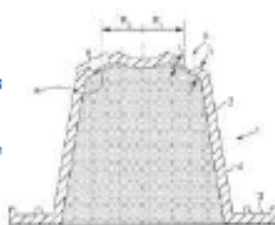


FIG. 1

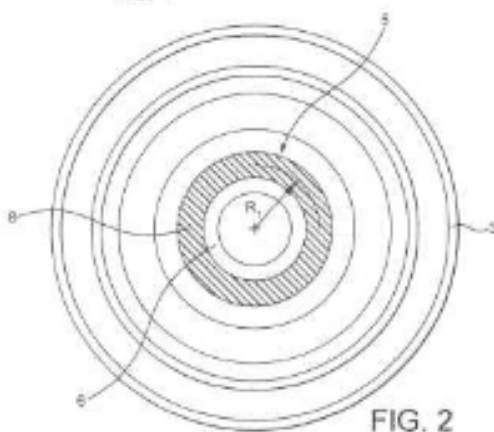


FIG. 2

CAPSULE, DEVICE AND METHOD FOR PREPARING A BEVERAGE BY EXTRACTION

Page bookmark	EP2582597 (A1) - CAPSULE, DEVICE AND METHOD FOR PREPARING A BEVERAGE BY EXTRACTION
Inventor(s)	ZWEED BANDER GORDON [NL]; ANDREAE JAN [NL]; FERRA ANTONIO GIUSEPPE [NL]; KLEP MARK ERIC ANTON ARTHUR [NL] +
Applicant(s)	BISERKON HOLDINGS LTD [CY] +
Classification	- International: B65D85/04 - cooperative: A47J31/0673 ; B65D85/043
Application number	EP20110730773 20110620
Priority number(s)	NL20112006772 20110512 ; NL20112006758 20110510 ; NL20102006642 20101105 ; NL20102006659 20101021 ; NL20102006483 20101007 ; NL20102005196 20100805 ; NL20102004921 20100618 ; WO2011NL50442 20110620
Also published as:	FRWO2011159162 (A1) ; FRBG186754 (A1) ; FRBG186753 (A1) ; FRWO2011159163 (A1) ; FR2582596 (A1) →more

Abstract not available for EP2582597 (A1)

Abstract of corresponding document: WO2011159162 (A1)

Translate this text into [\[i\]](#)

Chinese [patenttranslate](#) powered by EPO and Google

The invention relates to a capsule for use in a device for preparing beverages. The invention also relates to an assembly of such a capsule and a device for preparing beverages. The invention further relates to a method for preparing beverages by making use of such an assembly.

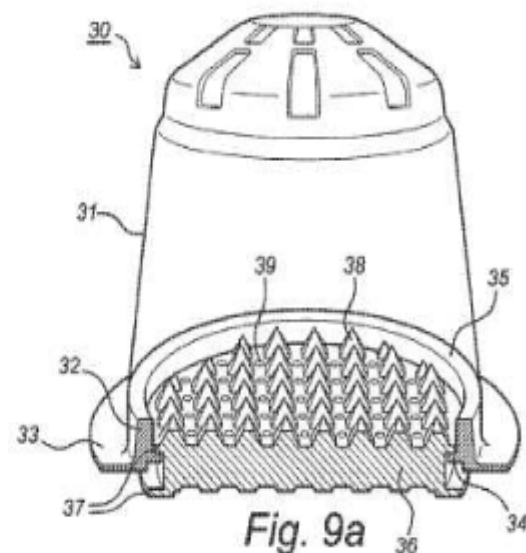
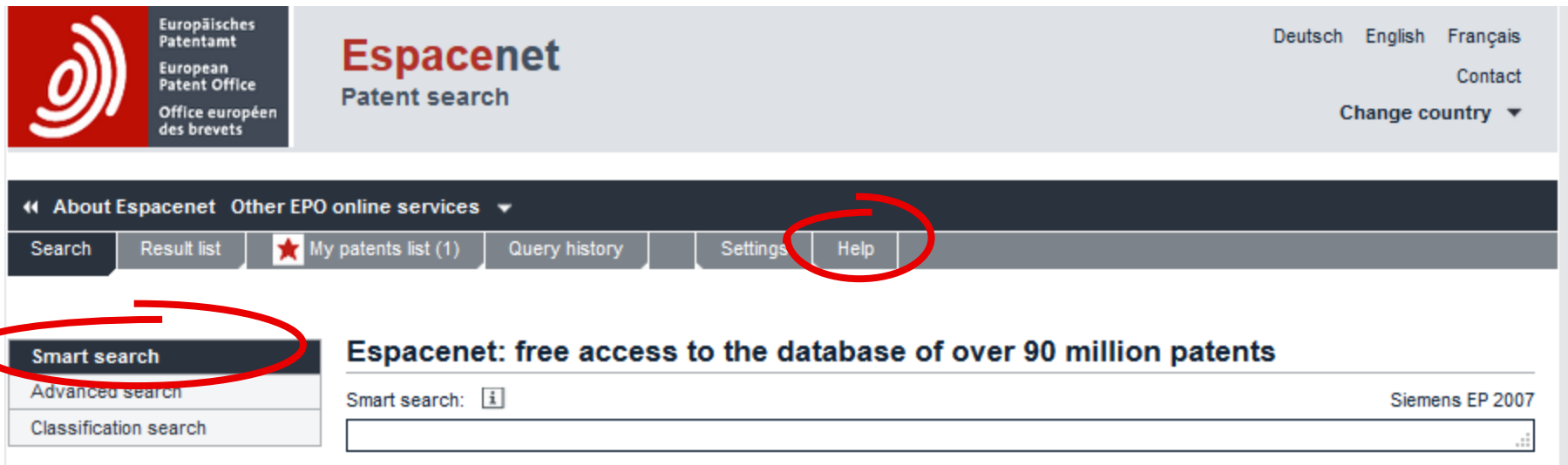


Fig. 9a



Europäisches Patentamt
European Patent Office
Office européen des brevets

Deutsch English Français
Contact
Change country ▼

Espacenet
Patent search

← About Espacenet Other EPO online services ▼

Search Result list ★ My patents list (1) Query history Settings Help

Smart search
Advanced search
Classification search

Espacenet: free access to the database of over 90 million patents

Smart search: [i] Siemens EP 2007

Wprowadź terminy wyszukiwawcze

Możesz wprowadzić do 20 terminów (do 10 w jednym bibliograficznym polu), używając identyfikatorów pól lub z ich pominięciem. Terminy oddzielaj spacją lub operatorami. Skorzystaj z plików HELP aby lepiej zrozumieć pracę w trybie SMART

SMART search

Smart search - field identifiers

The following table lists the field identifiers available in the **Smart search** option, together with a definition and examples of how to use them.

Field identifier	Description	Examples
in	inventor	in=smith
pa	applicant	pa=siemens
ti	title	ti="mouse trap"
ab	abstract	ab="mouse trap"
pr	priority number	pr=ep20050104792
pn	publication number	pn=ep1000000
ap	application number	ap=jp19890234567
pd	publication date	pd=20080107 OR pd="07/01/2008" OR pd=07/01/2008
ct	citation/ cited document	ct=ep1000000
cpc	Cooperative Patent Classification	cpc="A61K31/13"
cpcc	Classification combination	cpcc="C08F8/30", cpcc="C08F297/02"
fbxt, desc, claims	Full text, description, claims	fbxt=microscope, desc=lens, claims=laser
ia	inventor and applicant	ia=Apple OR ia="Ries Klaus"
ta	title and abstract	ta="laser printer"
txt	title, abstract, inventor and applicant	txt=microscope lens
num	application, publication and priority number	num=ep1000000
ipc	all current and previous versions of the IPC	ipc=A63B49/08
cl	IPC and CPC	cl=C10J3

SMART search

przykład: strzykawki bezigłowe

(syring* or inject*) and (needleless or „needle free”) skin*
pressur*

Smart search

Select the collection you want to search in 

Worldwide - collection of published applications from 90+ countries 

2. Search terms

Smart search 

hair

(syring* or inject*) and (needleless or „needle free) skin* pressur*

Clear

Search

SMART search

przykład: strzykawki bezigłowe

Result list

Select all (0/25)  Compact  Export (CSV | XLS)  Download covers  Print

Approximately 55 results found in the Worldwide database for:
 (((txt = syring* or txt = inject*) and ((txt = needleless or txt = „needle) and txt = free)) and txt = skin*) and txt = pressur*
 using Smart search

1 ▶

Sort by Sort order

1. **Low pressure needle-free injection device**

★ Inventor: SUN YI YU LIN	Applicant: JIANGSU CHENGYU MEDICAL INT TECH CO LTD	CPC:	IPC: A61M5/303 A61M5/31	Publication info: CN205287126 (U) 2016-06-08	Priority date: 2016-01-14
--	---	-------------	--------------------------------------	---	-------------------------------------

2. **NEEDLE-FREE INJECTORS AND DESIGN PARAMETERS THEREOF THAT OPTIMIZE INJECTION PERFORMANCE**

★ Inventor: BOYD BROOKS M [US] SCHUSTER JEFFREY A [US]	Applicant: ZOGENIX INC [US]	CPC: A61K31/404 A61K39/395 A61M5/30 (+1)	IPC: A61K31/404 A61K39/395 A61M5/30	Publication info: US2016129191 (A1) 2016-05-12	Priority date: 2010-09-15
---	---------------------------------------	---	---	---	-------------------------------------

3. **Low-pressure needle-free injection device**

★ Inventor: SUN YI YU LIN	Applicant: JIANGSU CHENGYU MEDICAL INT TECH CO LTD	CPC:	IPC: A61M5/303 A61M5/31	Publication info: CN105498047 (A) 2016-04-20	Priority date: 2016-01-14
--	---	-------------	--------------------------------------	---	-------------------------------------

4. **Multi-pin syringe needle**

★ Inventor: WANG ZHONGTANG	Applicant: XIAMEN BONAI MOLD DESIGN CO LTD	CPC:	IPC: A61M5/32 A61M5/46	Publication info: CN105396205 (A) 2016-03-16	Priority date: 2015-12-10
---	---	-------------	-------------------------------------	---	-------------------------------------

5. **Injector**

★ Inventor: ODA SHINGO	Applicant: DAICEL CHEM	CPC: A61M5/2046 A61M5/30	IPC: A61M5/30	Publication info: CN103209725 (A) 2013-07-17 CN103209725 (B) 2015-04-22	Priority date: 2010-09-24
----------------------------------	----------------------------------	---	-------------------------	--	-------------------------------------

NAME search

Używaj cudzysłowu do wyszukiwania osób fizycznych, aby uniknąć sytuacji gdy imię należy do jednego a nazwisko do drugiego z twórców

„ <Nazwisko> <Imię>”

<Nazwisko> <Imię>



Result list

Select all (0/25) Compact Export (CSV | XLS) Download covers Print

Approximately 41 results found in the Worldwide database for:
"Schuler Ralf" as the inventor 1

Result list

Select all (0/25) Compact Export (CSV | XLS) Download covers Print

Approximately 118 results found in the Worldwide database for:
Schuler Ralf as the inventor 1

Sort by Sort order

1. Motor

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SCHMID GÜNTER [DE]	SCHAEFFLER	H02K1/2713	H02K1/27	DE102015209322 (A1)	2015-05-21
SCHÜLER RALF [DE]	TECHNOLOGIES AG	H02K21/24	H02K3/26	2016-11-24	
(+3)	[DE]	H02K5/18	H02K9/22		
		(+1)			

1. Substituted benzenedicarboxylic acid diquanides, process for their preparation, their use as a medicament or diagnostic, and medicament containing them

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
KLEEMANN HEINZ- WERNER [DE]	HOECHST AG [DE]	C07C279/22	A61K31/155	TW353657 (B)	1995-11-20
BRENDEL JOACHIM [DE]			A61K31/165	1999-03-01	
(+5)			A61P1/16		
			(+11)		

2. COMPONENT WHICH CAN BE SUBJECTED TO HOT GAS FOR A GAS TURBINE AND SEALING ARRANGEMENT HAVING SUCH A COMPONENT

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
AHMAD FATHI [DE]	SIEMENS AG [DE]	F01D11/006	F01D11/00	US2016362996 (A1)	2014-02-14
MÜSGEN RALF [DE]		F01D17/08	F01D25/26	2016-12-15	
(+2)		F01D25/26	F01D5/12		

FULL TEXT searching

Full text search w bazie Espacenet uruchomiono w 2014 r.

1) Uruchamiamy tryb SMART SEARCH

2) Dokonujemy wyboru kolekcji :

Worldwide EN – zgłoszenia dokonane w j.ang.

Worldwide FR – zgłoszenia dokonane w j.fr.

Worldwide DE – zgłoszenia dokonane w j.niem.

3) Pracując w trybie **Smart search** możemy użyć następujących kryteriów:

ftxt = szukamy w pełnych tekstach opisów i zastrzeżeń, tytułach i abstraktach


desc = szukamy w pełnych tekstach opisów


claims = szukamy w pełnych tekstach zastrzeżeń

FULL TEXT searching


przykład: preparat do ustnego podawania zawierający szczep bakterii lactobacillus johnsonii

Smart search

Select the collection you want to search in 

Worldwide EN - collection of published applications in English 

2. Search terms

Smart search 

hair

ftxt = johnsonii and oral and admin*

Clear

Search

Smart search

Advanced search

Classification search

Quick help

- [How do I enter a query?](#)
- [What are field identifiers?](#)
- [Can I use truncation/wildcards?](#)
- [What date formats can I use?](#)
- [How do I enter a date range for a search?](#)

27 results found in the Worldwide EN database for:
(ftxt = johnsonii and txt = oral) and txt = admin* using Smart search

1 2
page 1

Sort by Sort order

1. COMPOSITION INTENDED FOR AN **ORAL, ADMINISTRATION** BASED ON POLYUNSATURATED FATTY ACID AND VITAMIN D FOR IMPROVING HAIR QUALITY

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date
BRU CAROLE [FR] MAHE YANN [FR] (+1)	NUTRICOS TECH [FR]	A61K2800/592 A61K2800/882 A61K2800/92 (+14)	A61K8/27 A61K8/31 A61K8/36 (+6)	US2016213603 (A1) 2016-07-28	2013-08-30

2. MINERAL COMPLEX FORMULATIONS FOR **ORAL, ADMINISTRATION** AND METHODS FOR THEIR USE

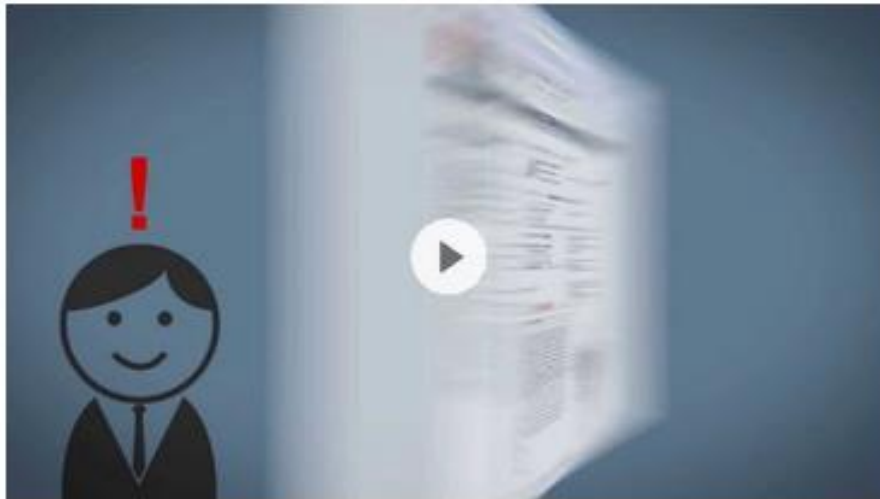
★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date
CANNOCK JUSTIN [US]	AVELIS LLC [US] CANNOCK JUSTIN [US]	A61K2300/00 A61K33/00 (+4)	A61K33/06	WO2016100826 (A1) 2016-06-23	2014-12-19

3. COMPOSITION BASED ON A POLYUNSATURATED FATTY ACID AND ON A CAROTENOID, FOR **ORAL, ADMINISTRATION, FOR IMPROVING HAIR QUALITY**

Lactobacillus rhamnosus (strain GG), Lactobacillus brevis, Lactobacillus crisp atus, CA 02932049 2016-05-30 WO 2015/087277 PCT/1B2014/066807 Lactobacillus delbrueckii (subsp. bulgaricus, lactis), Lactobacillus fermentum, Lactobacillus helveticus, Lactobacillus gallinarum, Lactobacillus gasser, Lactobacillus johnsonii, Lactobacillus paracasei, Lactobacillus plantarum, Lactobacillus rhamnosus, Lactobacillus salivarius, Lactobacillus alimentarius, Lactobacillus curvatus, Lactobacillus casei subsp. casei, Lactobacillus sake, microorganisms of the genus Lactococcus, such as Lactococcus lactis, Lactococcus lactis subsp. lactis or cremoris, microorganisms of the genus Enterococcus, such as Enterococcus faecalis or Enterococcus faecium, microorganisms of the genus Leuconostoc, such as Leuconostoc mesenteroides subsp. dextranicum, microorganisms of the genus Pediococcus, such as Pediococcus acidilactici, microorganisms of the genus Sporolactobacillus, such as Sporolactobacillus inulinus, microorganisms of the genus Streptococcus, such as Streptococcus salivarius subsp. thermophilus, Streptococcus thermophilus, microorganisms of the genus Staphylococcus, such as Staphylococcus carnosus, Staphylococcus xylosum, microorganisms of the genus Saccharomyces, such as Saccharomyces cerevisiae or else Saccharomyces boulardii, microorganisms of the genus Bacillus, such as Bacillus cereus var. toy, Bacillus subtilis, Bacillus coagulans, Bacillus licheniformis, microorganisms of the genus Escherichia, such as Escherichia coli strain nissle, microorganisms of the genus Propionibacterium, such as Propionibacterium freudenreichii, or combinations thereof The microorganisms may be formulated in the form of powders, i.e. in a dry form, or in the form of suspensions or solutions. More particularly, the microorganisms may be a probiotic microorganism chosen from microorganisms of the genus Lactobacillus sp. and/or Bifidobacterium sp., a fraction thereof and/or a metabolite thereof As illustrations of these microorganisms, mention may be made more particularly of Lactobacillus johnsonii, Lactobacillus rhamnosus, Lactobacillus paracasei, Lactobacillus casei, Bifidobacterium bifidum, Bifidobacterium breve, Bifidobacterium longum, Bifidobacterium animalis, Bifidobacterium lactis, Bifidobacterium infantis, Bifidobacterium adolescentis and Bifidobacterium pseudocatenulatum, or combinations thereof The species that are quite particularly suitable are Lactobacillus johnsonii, Lactobacillus paracasei, Bifidobacterium adolescentis, Bifidobacterium longum or Bifidobacterium lactis NCC 2818 (also denoted Bb12 ATCC 27536), which were deposited, respectively, according to the Treaty of Budapest, at

ESPACENET support– materiały, help files

- Getting started
- Conditions
- Further Information
- Related products



› Espacenet Assistant, an e-learning module

📄 Brochure (PDF, 336 KB)



ESPACENET support – espacenet assistant



- Smart search
 - Advanced search
 - Classification search
- Quick help**
- [Are the help files available in other languages?](#)
 - [How can I go back to the index list?](#)

Help

Search term(s):

Online tutorial and Help

Online tutorial

Learn how to use Espacenet with our collection of 29 interactive [Espacenet assistant](#)

Index

Espacenet offers users a number of different types of help.

There is a 'quick help' function on every search screen and re

For more in-depth information a general help is also provided.

If you have any comments or suggestions, please write to esp



Espacenet Assistant

Home Up Glossary My Training About

Patent Documents **Topic 6**

Crash Course

What Information Is Contained in a Document?

Original document

Original documents are always in PDF format and can be searched, printed and downloaded. It may happen that an original document is not available. In this case you may be able to view a corresponding patent specification.

Original document: **GB2090945 (A) — 1982-07-21**

★ In my patents list → EP Register → Report data error Print

Valve

Page: 18 Claims Description → → → Maximized Download

1 GB 2 090 945 A 1

SPECIFICATION
Device for changing air flow in a suction cleaner nozzle or the like from one duct to another


GC If the latch 2 were to be moving axially as shown in the plane of the drawing up an actuating part (not shown) such as a lever which can be actuated from outside and coupled to the Part 8 by means of the shaft 1, the latch 2 would have to be

HINT You need Adobe Reader (version 7 or later) to open "Original document".

Continue with "Maximized view" →

Page 12 of 18

ESPACENET suport – forum dla użytkowników



Europäisches Patentamt
European Patent Office
Office européen des brevets

Discussion forum

Contact
FAQ







← About discussion forums
Register Login

Search all forums: → [Advanced search](#)





[Forums home](#) → [Patent Information Products and Services](#) → [Espacenet](#)
vAA

Espacenet

Here you can post your opinions, ask questions and share information on Espacenet.

FORUM	TOPICS	POSTS	LAST POST
 <p>Search tips Tips and tricks on how to get the most out of Espacenet</p>	38	84	by Patent Information 2  on Thu Dec 15, 2016 12:37 pm
 <p>Technical issues This is where you will find Espacenet relevant technical issues as well as the respective tips and workarounds</p>	16	35	by Patent Information 2  on Wed Dec 14, 2016 8:08 am
 <p>Meet the experts This is where we will keep you informed about events and trainings where you can meet the experts either in a virtual environment or face-to-face</p>	5	5	by Patent Information 2  on Tue Jun 21, 2016 9:01 am

2 topics • Page 1 of 1

ANNOUNCEMENTS	REPLIES	VIEWS	LAST POST
 <p>URGENT - TECHNICAL ISSUE IN ESPACENET by Patent Information 2 on Fri Dec 16, 2016 11:08 am</p>	0	2	by Patent Information 2  on Fri Dec 16, 2016 11:08 am
 <p>Temporary unavailability of some online services on 18.12.16 by Patent Information 2 on Wed Dec 14, 2016 8:08 am</p>	0	8	by Patent Information 2  on Wed Dec 14, 2016 8:08 am



Gdzie znaleźć GLOBAL PATENT INDEX?



Media Contact

Search

Website

Patents

English ▾

Home

Searching for patents

Applying for a patent

Law & practice

News & issues

Learning & events

About us

Searching for patents ^

European Patent Register

European Publication Server

Espacenet - patent search

Patent Translate

Applying for a patent ▾

Law & practice ▾

The EPO will recruit 200 engineers and scientists

Read the Annual Report 2016

Apply now

Efficiency

Timeliness

Grants

Certainty

Annual results 2015

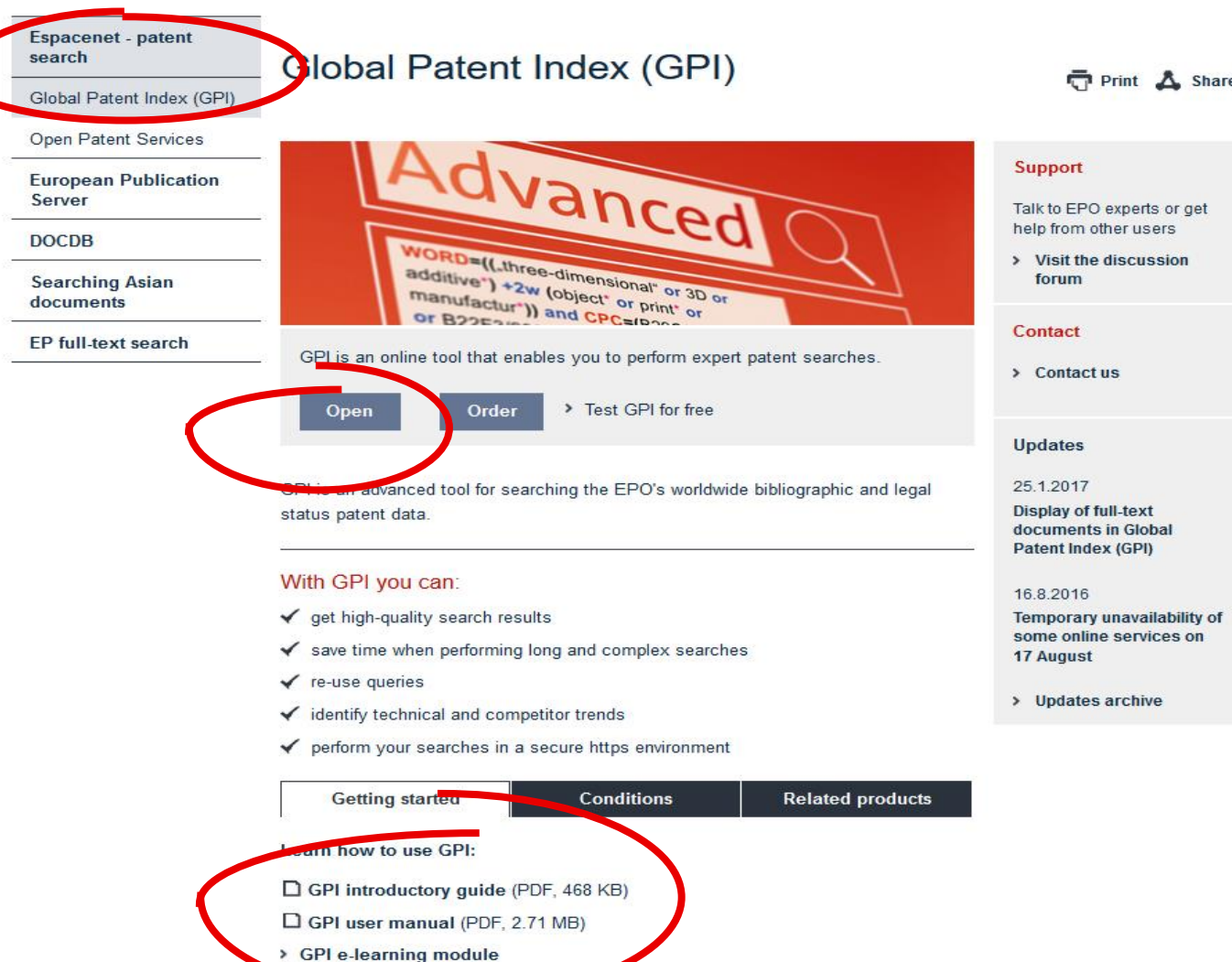
Annual Report 2016

European Inventor Award

Examiner jobs

Gdzie znaleźć GLOBAL PATENT INDEX?

<http://www.epo.org/searching-for-patents/technical/espacenet/gpi.html#tab1>



The screenshot shows the Global Patent Index (GPI) page. A red circle highlights the 'Espacenet - patent search' menu item, which is expanded to show 'Global Patent Index (GPI)'. Another red circle highlights the 'Open' button in the 'Test GPI for free' section. A third red circle highlights the 'Getting started' tab in the navigation bar. A fourth red circle highlights the 'Learn how to use GPI:' section, which includes links to the 'GPI introductory guide (PDF, 468 KB)', 'GPI user manual (PDF, 2.71 MB)', and 'GPI e-learning module'.

Global Patent Index (GPI)

Print Share

Support
Talk to EPO experts or get help from other users
> Visit the discussion forum

Contact
> Contact us

Updates
25.1.2017
Display of full-text documents in Global Patent Index (GPI)
16.8.2016
Temporary unavailability of some online services on 17 August
> Updates archive

GPI is an online tool that enables you to perform expert patent searches.

Open Order > Test GPI for free

GPI is an advanced tool for searching the EPO's worldwide bibliographic and legal status patent data.

With GPI you can:

- ✓ get high-quality search results
- ✓ save time when performing long and complex searches
- ✓ re-use queries
- ✓ identify technical and competitor trends
- ✓ perform your searches in a secure https environment

Getting started Conditions Related products

Learn how to use GPI:

- ☐ GPI introductory guide (PDF, 468 KB)
- ☐ GPI user manual (PDF, 2.71 MB)
- > GPI e-learning module


Okno logowania do PISE (Patent Information Services for Experts)





Step 1 - User identification

Username Password

Remember username and password

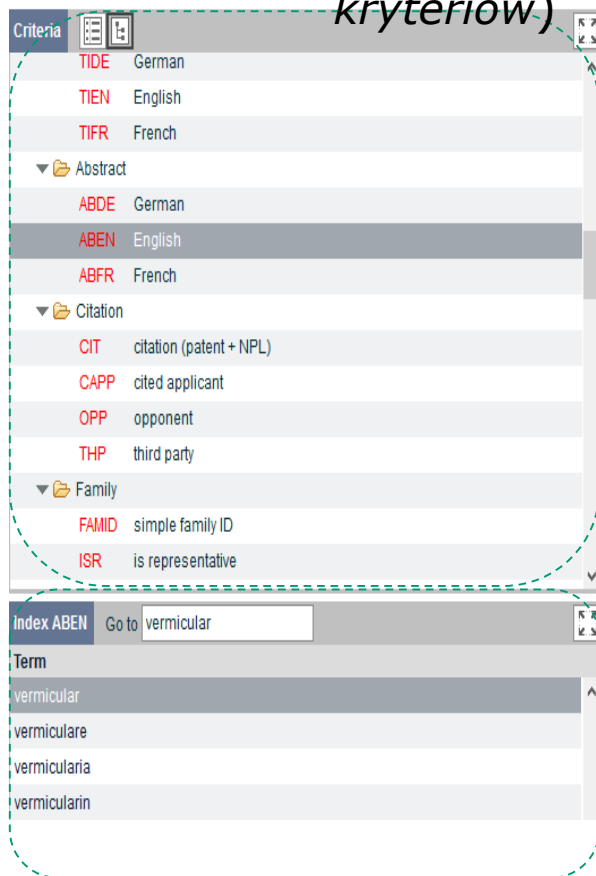
Step 2 - Select database

 Subscriber-only databases

	Database name		Database edition	
	EP full-text search	EPAB	2017/12	info
	EP Bulletin search	BULL	2017/12	info
	Global Patent Index	GPI	2017/12	info
	PATSTAT Online	PATSTAT	2016 Autumn	info
	PATSTAT Online	PATSTAT	2016 Spring	info

GPI – zaczynamy...

CRITERIA BOX
(ponad 100 kryteriów)



Criteria

- TIDE German
- TIEN English
- TIFR French
- Abstract
 - ABDE German
 - ABEN English
 - ABFR French
- Citation
 - CIT citation (patent + NPL)
 - CAPP cited applicant
 - OPP opponent
 - THP third party
- Family
 - FAMID simple family ID
 - ISR is representative

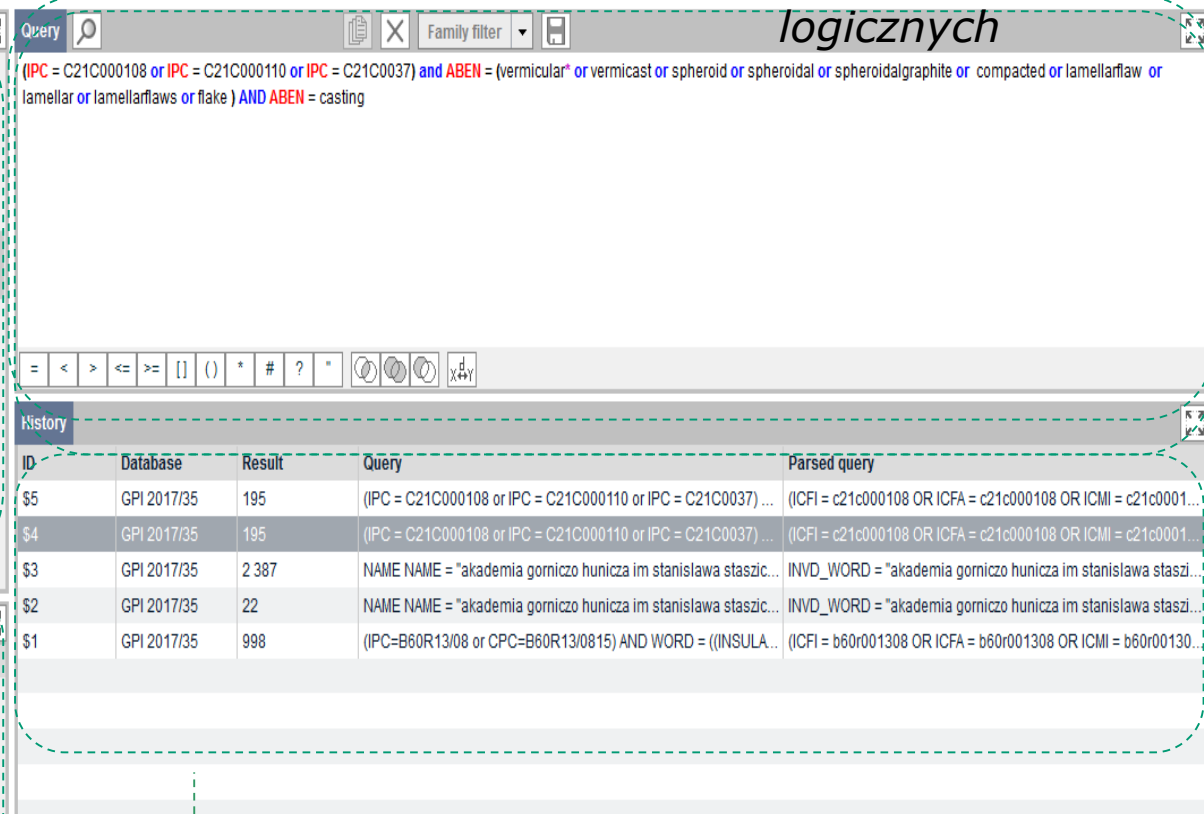
Index ABEN Go to vermicular

Term

- vermicular
- vermiculare
- vermicularia
- vermicularin

INDEX BOX

QUERY BOX
łączenie kryteriów za pośrednictwem operatorów „wildcards” oraz logicznych



Query

(IPC = C21C000108 or IPC = C21C000110 or IPC = C21C00037) and ABEN = (vermicular* or vermicast or spheroid or spheroidal or spheroidalgraphite or compacted or lamellarflaw or lamellar or lamellarflaws or flake) AND ABEN = casting

History

ID	Database	Result	Query	Parsed query
\$5	GPI 2017/35	195	(IPC = C21C000108 or IPC = C21C000110 or IPC = C21C00037) ...	(ICFI = c21c000108 OR ICFA = c21c000108 OR ICMI = c21c0001...
\$4	GPI 2017/35	195	(IPC = C21C000108 or IPC = C21C000110 or IPC = C21C00037) ...	(ICFI = c21c000108 OR ICFA = c21c000108 OR ICMI = c21c0001...
\$3	GPI 2017/35	2 387	NAME NAME = "akademia gorniczo hunicza im stanislawa staszic...	INVD_WORD = "akademia gorniczo hunicza im stanislawa stazi...
\$2	GPI 2017/35	22	NAME NAME = "akademia gorniczo hunicza im stanislawa staszic...	INVD_WORD = "akademia gorniczo hunicza im stanislawa stazi...
\$1	GPI 2017/35	998	(IPC=B60R13/08 or CPC=B60R13/0815) AND WORD = ((INSULA...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r00130...

HISTORY BOX
możliwość zachowania do 100 zapytań

Budowa zapytania w bazie GPI

Examples of search criteria

Search criteria	Description
FIND	All data
NUM	All kinds of patent numbers
WORD	All indexed title/abstract words in all languages
TIEN	All indexed title words in English
ABEN	All indexed abstract words in English
NAME	All inventors/applicants
PUC	Publication country code
PUN	Publication number
PUK	Publication kind code
PUD	Publication date
IPC	IPC (all editions)
CPC	Cooperative Patent Classification
JPFT	F-terms
INV	Inventor's name
INVC	Inventor's country of residence
APP	Applicant's name
APPC	Applicant's country of residence
CCAT	Citation category
CPOP	Patent cited in opposition phase
DLE	Date of last exchange
STA	Document status

Search operators

Operator	Description
Boolean operators	
AND, OR, NOT	By default (but customisable): OR between terms of a given criterion or between criteria; AND between queries. Left takes precedence over right.
Proximity operators	
+xW	word ₁ at maximum x word(s) from word ₂ in that order
/xW	word ₁ at maximum x word(s) from word ₂ in any order
Arithmetic operators	
=	equal to
<=	less than or equal to
>=	greater than or equal to
[]	date range
()	brackets to force the order of operations
Truncation (left, middle and right truncation allowed)	
*	stands for zero or more characters
#	stands for one mandatory character
String search	
"	search for exact-expression

Operatory łatwe do użycia z pomocą paska- toolbar





Global patent index (GPI)

The screenshot displays the GPI web interface. At the top, there are navigation links: Preferences, Download, Print, Help, Home, Search, Result, and Statistics. The user is logged in as 's using GPI 2014/37' and can click 'Log out'.

Criteria Panel: Shows search criteria categories: EASY SEARCH, SIMPLE SEARCH, Publication (PUC: country code, PUN: number, PUK: kind code, PUD: date), Application, Priority, Classification, Inventor, and Applicant.

Query Window: Contains the search query 'PUN = EP0252350'. A search icon (magnifying glass) is present. A yellow callout bubble points to the search icon with the text: 'Click this icon to submit the search'. Below the query is a toolbar with operators: =, <, >, <=, >=, [], (), *, #, ". A 'History' tab is also visible.

Index Panel: Shows a list of patent terms under the heading 'Index PUN'. A 'Go to EP025235' button is present. A dotted arrow points from the 'EP0252350' entry in the index to the query window. A blue callout bubble points to the index with the text: 'Select one or more values in the index. Click and drag and drop it into the Query window'.

History Table: A table with columns: ID, Dateb..., Result, Query, and Parsed query. The table is currently empty.



Global patent index (GPI)

Preferences Download Print Help Home Search Result Statistics user01 is using GPI 2014/37 Log out

Criteria

- EASY SEARCH
- SIMPLE SEARCH
 - Publication
 - PUC country code
 - PUN** number
 - PUK kind code
 - PUD date
 - Application
 - Priority
 - Classification
 - Inventor
 - Applicant

Query **2 doc.** No filter

PUN = EP0252350

Go to result list

Display the results by clicking in the Menu or on the icon

Index PUN Go to EP025235

Term
EP0252350
EP0252350A1
EP0252350B1
EP0252351
EP0252351A1
EP0252351B1
EP0252352

History

ID	Datab...	Result	Query	Parsed query
\$1	GPI 2...	2	PUN = EP0252350	PUND = ep0252350 OR PUNE = ep0252350

symbole MKP

B62D 31/02

Superstructures for passenger vehicles

- for carrying large numbers of passengers, e.g. omnibus

B60R 13/08

Insulating elements, e.g. for sound insulation

B60N 3/00

Arrangements or adaptations of other passenger fittings, not otherwise provided for

B60N 3/04

- of floor mats or carpets

B32B 15/00

Layered products comprising a layer of metal

B32B 5/00

structure

Layered products characterised by the non- homogeneity or physical

CPC symbols

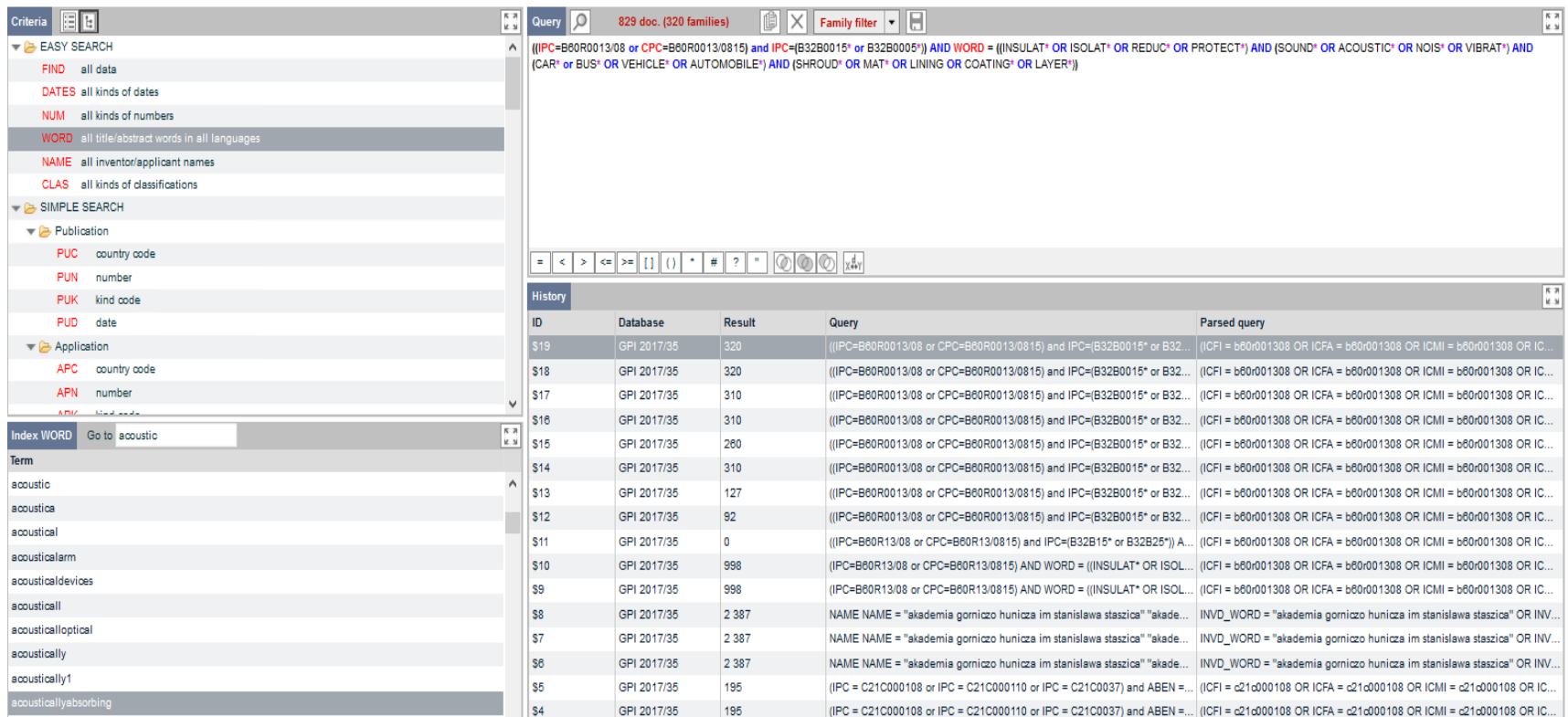
B60R13/0815

Acoustic or thermal insulation of passenger compartments

słowa kluczowe:

- 1) noise, sound, acoustic isolation, sound insulating, sound proofing, noise-dumping, noise decrease vibratation, reduction absorbing effect NVC (Noise Vibration Harshness), antivibration
- 2) shroud/ mat / lining /coating /floor material/insulation layer
- 3) bus/automobile/passenger car/vehicle/

((IPC=B60R0013/08 OR CPC=B60R0013/0815) AND IPC=(B32B0005* OR B32B0015*)) AND WORD = ((INSULAT* OR ISOLAT* OR REDUC* OR PROTECT*) AND (SOUND* OR ACOUSTIC* OR NOISE* OR VIBRAT*) AND (CAR* OR BUS* OR VEHICLE* OR AUTOMOBILE*)) AND (~~SHROUD* OR MAT* OR LINING OR COATING* OR LAYER*~~)



The screenshot shows a patent search interface with the following components:

- Criteria:**
 - EASY SEARCH:** FIND (all data), DATES (all kinds of dates), NUM (all kinds of numbers), WORD (all title/abstract words in all languages), NAME (all inventor/applicant names), CLAS (all kinds of classifications).
 - SIMPLE SEARCH:** Publication (PUC: country code, PUN: number, PUK: kind code, PUD: date), Application (APC: country code, APN: number, APV: kind code).
 - Index WORD:** Go to acoustic
 - Term:** acoustic, acoustica, acoustical, acousticalarm, acousticaldevices, acoustical, acousticaloptical, acoustically, acoustically1, acousticallyabsorbing
- Query:** 829 doc. (320 families). Family filter. Query: ((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32B0005*)) AND WORD = ((INSULAT* OR ISOLAT* OR REDUC* OR PROTECT*) AND (SOUND* OR ACOUSTIC* OR NOIS* OR VIBRAT*) AND (CAR* OR BUS* OR VEHICLE* OR AUTOMOBILE*)) AND (SHROUD* OR MAT* OR LINING OR COATING* OR LAYER*)
- History Table:**

ID	Database	Result	Query	Parsed query
\$19	GPI 2017/35	320	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$18	GPI 2017/35	310	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$17	GPI 2017/35	310	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$16	GPI 2017/35	310	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$15	GPI 2017/35	260	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$14	GPI 2017/35	310	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$13	GPI 2017/35	127	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$12	GPI 2017/35	92	((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=(B32B0015* or B32...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$11	GPI 2017/35	0	((IPC=B60R13/08 or CPC=B60R13/0815) and IPC=(B32B15* or B32B25*)) A...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$10	GPI 2017/35	998	(IPC=B60R13/08 or CPC=B60R13/0815) AND WORD = ((INSULAT* OR ISOL...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$9	GPI 2017/35	998	(IPC=B60R13/08 or CPC=B60R13/0815) AND WORD = ((INSULAT* OR ISOL...	(ICFI = b60r001308 OR ICFA = b60r001308 OR ICMI = b60r001308 OR IC...
\$8	GPI 2017/35	2 387	NAME NAME = "akademia gorniczo hunicza im stanislawa staszica" "akade...	INVD_WORD = "akademia gorniczo hunicza im stanislawa staszica" OR INV...
\$7	GPI 2017/35	2 387	NAME NAME = "akademia gorniczo hunicza im stanislawa staszica" "akade...	INVD_WORD = "akademia gorniczo hunicza im stanislawa staszica" OR INV...
\$6	GPI 2017/35	2 387	NAME NAME = "akademia gorniczo hunicza im stanislawa staszica" "akade...	INVD_WORD = "akademia gorniczo hunicza im stanislawa staszica" OR INV...
\$5	GPI 2017/35	195	(IPC = C21C000108 or IPC = C21C000110 or IPC = C21C00037) and ABEN =...	(ICFI = c21c000108 OR ICFA = c21c000108 OR ICMI = c21c000108 OR IC...
\$4	GPI 2017/35	195	(IPC = C21C000108 or IPC = C21C000110 or IPC = C21C00037) and ABEN =...	(ICFI = c21c000108 OR ICFA = c21c000108 OR ICMI = c21c000108 OR IC...

przykład wyszukiwania: wielowarstwowy materiał izolujący redukujący hałas i drgania w autobusach

829 doc. (320 families)



Family filter



Query Family filter

((IPC=B60R0013/08 or CPC=B60R0013/0815) and IPC=[B32B0015* or B32B0005*]) AND WORD = ((INSULAT* OR ISOLAT* OR REDUC* OR PROTECT*) AND (SOUND* OR ACOUSTIC* OR NOIS* OR VIBRAT*) AND (CAR* or BUS* OR VEHICLE* OR AUTOMOBILE*)) AND (SHROUD* OR MAT* OR LINING OR COATING* OR LAYER*))



Result list 11 / 320

Publication

DE 10143167 A1 20030327
 EP 0909680 A1 19990421
 FR 2314079 A1 19770107
 WO 9958371 A1 19991118
 DE 3724680 A1 19890202
 WO 03021096 A1 20030313
 RU 2595669 C2 20160827
 DE 4126884 A1 19930218
 DE 4123593 A1 19930121
 WO 9201587 A1 19920206
 WO 0174624 A1 20011011
 DE 10202232 A1 20030807
 US 6146617 A 20001114
 CA 2164791 A1 19960609
 JP 3530522 B1 20040524
 JP 2003252124 A 20030910
 JP 2005088706 A 20050407
 WO 02098707 A1 20021212
 WO 02094816 A1 20021128

Document 11 / 320

Biblio. Description Claims Drawings Search report Legal status

WO 0174624 A1 20011011 Original Text

Title (en)
SOUND ABSORBING STRUCTURE OF FLOOR SURFACE

Title (fr)
 STRUCTURE D'ABSORPTION SONORE POUR SURFACE DE SOL

Publication
 WO 0174624 A1 20011011

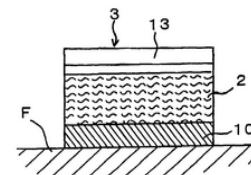
Application
 JP 0002164 W 20000403 (JA)

Priority
 JP 0002164 W 20000403

Abstract (en)
 A **sound** absorbing structure of a floor surface capable of efficiently **reducing noise** propagating from a floor surface to an indoor of, for example, a **car**, a train, or an aircraft, characterized in that a **sound** absorbing composite body comprising a **sound** absorbing film and foaming sheets having a plurality of through-holes each of which is integrally laminated on both surfaces of the **sound** absorbing film is disposed between the floor surface and a **carpet**, and a **sound** absorbing **layer** is provided between the **sound** absorbing composite body and the **carpet**.

Abstract (fr)
 La présente invention concerne une structure d'absorption sonore pour surface de sol, capable de réduire efficacement le bruit se propageant de la surface du sol vers l'intérieur, par exemple, d'une **automobile**, d'un train, ou d'un avion. L'invention se **caractérise** en ce qu'un corps composite d'absorption sonore est disposé entre la surface de sol et la moquette, ledit corps composite comprenant un film d'absorption sonore et des feuilles de mousse ayant une pluralité d'orifices traversants étant tous intégralement laminés sur les deux surfaces du film d'absorption sonore, et en ce qu'une couche d'absorption sonore est placée entre le composite d'absorption sonore et la moquette.

Representative image



skonfiguruj eksport i wyświetlanie wyników.

doprecyzuj zapytanie

Query: 829 doc. (320 families) Family filter

Document: DE 3724680 A1 19890202

Document: DE 3534690 A1 19870619

opcje eksportu danych

Prepare download

What: Result list

Format: PDF HTML XLS CSV XML

Range: Selection All From to

Lista wyników konfigurowalna

Publication	Applicant	ACQUSTIC INSULATING VEHICLE COMPONENT
DE 10143167 A1 20030327	HP CHEM PELZER RES & DEV LTD	
EP 0909680 A1 19990421	NISSAN MOTOR	
FR 2314079 A1 19770107	DAIMLER BENZ AG	
WO 9958371 A1 19991118	RIETER AUTOMOTIVE INT AG ALTS THORSTEN MARSCH RALF PETER ERDKAMP MARZELL BONNA EDMUND	
DE 3724680 A1 19890202	PELZER HELMUT	Panel-shaped sound-insulating and absorption element for lining the interior of motor vehicles
WO 03021096 A1 20030313	HP CHEM PELZER RES & DEV LTD ENKLER MICHAEL	HEAT-INSULATING AND SOUND-ABSORBING LINING FOR THE ENGINE COMPARTMENT OF MOTOR VEHICLES MOULDED MULTILAYER LINING

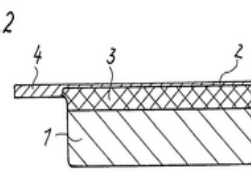
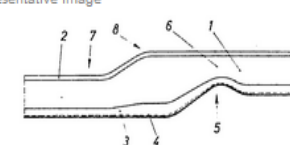
porównanie dwóch dokumentów

Panel-shaped sound-insulating and absorption element for lining the interior of motor vehicles

Self-supporting sound-insulating panel

Publication: DE 3534690 A1 19870619

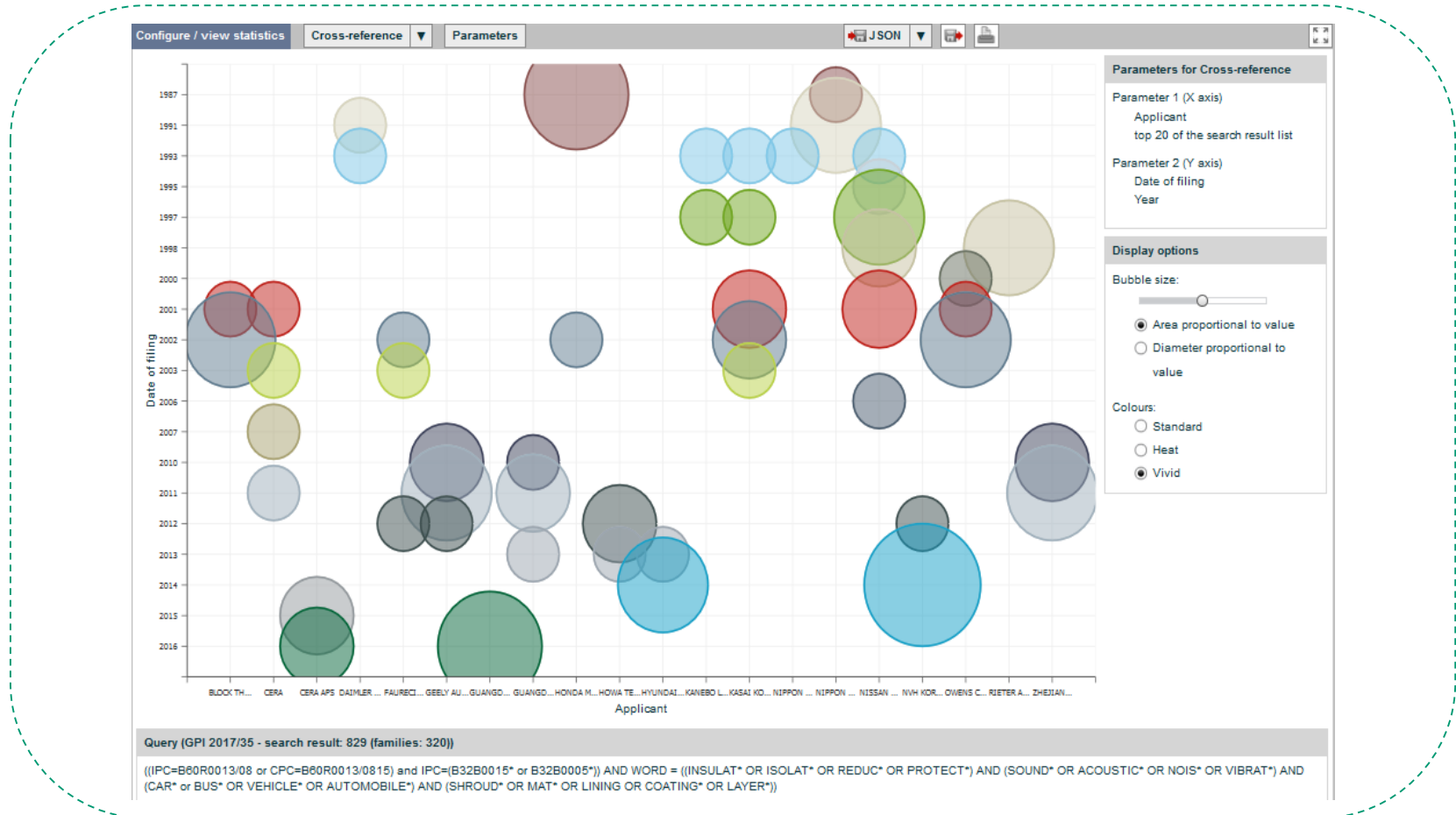
Abstract (en): For a self-supporting sound-insulating panel, a layer of rigid polyurethane foam, phenolic resin foam or melamine resin foam with very low density is proposed as effective sound-absorption medium. To protect this plastic foam layer against damage and to achieve a self-supporting sandwich structure, the plastic foam layer is laminated on both sides with dimensionally stable sheet-like structures. Cross-linked synthetic-fibre non-woven fabrics or slabstock foam layers of polyurethane foam, with a skin formed on the outside, are provided as such flat structures. This slabstock foam layer may be reinforced by a mineral fibre, glass-fibre or synthetic fibre non-woven fabric which is advantageously fused into the skin during thermal skin-formation of the slabstock foam layer.

Inventor: PELZER HELMUT (DE)

Inventor: GREINER KLAUS DIPL ING DR (DE)
GÜYÖT WOLF-GANG (DE)

Moduł statystyczny – wizualizacja wyników



Bazy patentowe – Derwent Innovation Index

A COMPREHENSIVE OVERVIEW OF INVENTIONS IN THE GLOBAL MARKETPLACE
DERWENT INNOVATIONS INDEXSM
FACILITATES RAPID, PRECISE PATENT SEARCHING

- **Derwent Innovations Index (DII)**
- dostęp ponad 30 mln wynalazków z informacjami pozyskanymi z ponad 65 mln dokumentów patentowych, opublikowanych przez 47 organizacji i urzędów patentowych z całego świata, począwszy od 1963 roku.
- Zakres DII obejmuje rekordy pochodzące z baz:
Derwent World Patents Index (DWPI) oraz bazy cytowań **Derwent Patents Citation Index**.
- Rekordy pogrupowane są w rodziny patentów
- Rekordy w bazie uzupełnione są o poszerzone słowa kluczowe i abstrakty w j. ang., które przygotowywane są przez ekspertów DII „na nowo”. Tytuły także redagowane są na nowo.
- Aktualizacja co tydzień - do bazy trafia około 25.000 dokumentów patentowych, po sprawdzeniu i zatwierdzeniu przez ekspertów DII



Platforma Web of Science **Derwent Innovations Index** dostępna dla polskich instytucji naukowych !!!

W sierpniu 2015 r. licencja krajowa Web of Science została rozszerzona do pakietu Citation Connection, który obejmuje dodatkowe bazy w tym także:

Derwent Innovations Index (DII)

Bazy z pakietu Citation Connection są dostępne dla wszystkich instytucji zarejestrowanych w ramach licencji krajowej na platformie Web of Science na serwerze należącym do Thomson Reuters

MINUS ☹️

ZASIĘG CHRONOLOGICZNY : 2010 - na bieżąco

Derwent Innovations Index allows to conduct patent and citation searches of inventions in **chemical, electrical, electronic, and mechanical engineering**.

- dostęp ponad 30 mln wynalazków z informacjami pozyskanymi z ponad 65 mln dokumentów patentowych, opublikowanych przez 47 organizacji i urzędów patentowych z całego świata, począwszy od 1963 roku.
- Zakres DII obejmuje rekordy pochodzące z baz:
[Derwent World Patents Index \(DWPI\)](#) oraz bazy cytowań [Derwent Patents](#) [Citation Index](#).
- Rekordy pogrupowane są w rodziny patentów
- Aktualizacja co tydzień - do bazy trafia około 25.000 dokumentów patentowych, po sprawdzeniu i zatwierdzeniu przez ekspertów DII

Dodatkowa informacja – poszerzone tytuły i abstrakty

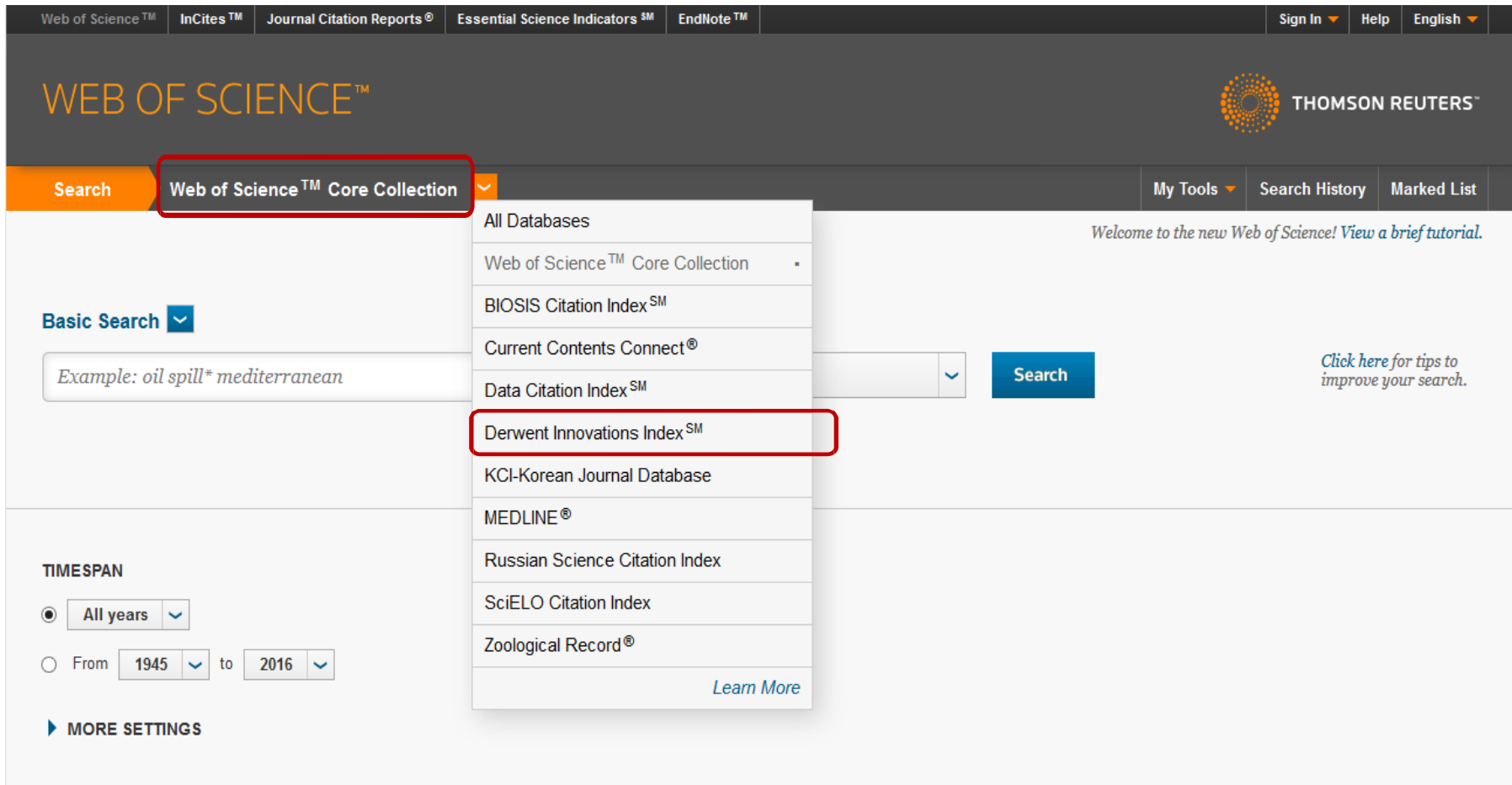
Klasyfikacja Derwenta i indeksowanie przedmiotowe

Citation Search

Analyze Tool

Compound Search

Platforma Web of Science Derwent Innovations Index



The screenshot displays the Web of Science search interface. At the top, navigation links include Web of Science™, InCites™, Journal Citation Reports®, Essential Science Indicators™, and EndNote™. On the right, there are links for Sign In, Help, and English. The main header features the WEB OF SCIENCE™ logo and the THOMSON REUTERS™ logo. Below the header, a navigation bar contains 'Search', 'Web of Science™ Core Collection', 'My Tools', 'Search History', and 'Marked List'. The 'Web of Science™ Core Collection' dropdown menu is open, listing various databases: All Databases, Web of Science™ Core Collection, BIOSIS Citation Index™, Current Contents Connect®, Data Citation Index™, **Derwent Innovations Index™**, KCI-Korean Journal Database, MEDLINE®, Russian Science Citation Index, SciELO Citation Index, and Zoological Record®. The 'Derwent Innovations Index™' option is highlighted with a red box. Below the search bar, there is a 'Basic Search' section with a search input field containing the example text 'Example: oil spill* mediterranean'. To the right of the search bar is a blue 'Search' button. Below the search bar, there is a 'TIMESPAN' section with radio buttons for 'All years' (selected) and 'From 1945 to 2016'. A 'MORE SETTINGS' link is located at the bottom left. On the right side of the page, there is a welcome message: 'Welcome to the new Web of Science! View a brief tutorial.' and a link: 'Click here for tips to improve your search.'

Platforma Web of Science

Derwent Innovations Index

Web of Science™ InCites™ Journal Citation Reports® Essential Science Indicators™ EndNote™

WEB OF SCIENCE™

Search Derwent Innovations Index™

Welcome

Basic Search

Example: re

- Basic Search
- Cited Patent Search
- Compound Search
- Advanced Search

+ Add Another Field | Reset Form

Topic Search

- Topic
- Title
- Inventor
- Patent Number
- Int. Patent Classification
- Derwent Class Code
- Derwent Manual Code
- Derwent Prim. Access. No.
- Assignee - Name Only

TIMESPAN

All years

From 2010 to 2016

MORE SETTINGS

Citation Indexes

- Chemical Section --2010-present
- Electrical and Electronic Section --2010-present
- Engineering Section --2010-present

Basic Search ▼

[+ Add Another Field](#) | [Reset Form](#)

Results: 1,107

You searched for TOPIC: (flexible and solar and cell*) AND PATENT NUMBER: (US*) ...More

[Create Alert](#)

Refine Results

Subject Areas

- ENGINEERING (1,097)
- INSTRUMENTS & INSTRUMENTATION (1,013)
- CHEMISTRY (867)
- ENERGY & FUELS (866)
- POLYMER SCIENCE (591)

[more options / values...](#)

[Refine](#)

Assignee Names

- UNIVERSAL DISPLAY CORP (38)
- IND TECHNOLOGY RES INST (30)
- SAMSUNG ELECTRONICS CO LTD (27)
- INT BUSINESS MACHINES CORP (24)
- SOLOPOWER INC (21)

Sort by: Latest Date ▼

Page 1 of 111

Select Page



[Analyze Results](#)

1. ~US2016226022-A1
Product, has device located over substrate including device footprint, first barrier film located along side of device footprint, and second barrier film located over device, where second barrier film comprises multilayer barrier film
 Assignee: UNIVERSAL DISPLAY CORP
 Inventor(s): MANDLIK P, MA R, BROWN J J
 Derwent Primary Accession Number: 2016-47812C
 Citing Patents: 0
2. ~US2016226234-A1
On/off-grid direct current source flexible power inverter for inverting direct current power from direct current sources to alternating current power, has inverter constructed to receive direct current power from direct current input ports
 Assignee: CYBOENERGY INC
 Inventor(s): CHENG G S, MULKEY S L
 Derwent Primary Accession Number: 2016-47809D
 Citing Patents: 0
3. ~US2016223802-A1
Sunlight manipulating device for solar energy system, has light deflection module that is arranged on or adjacent to focal region to deflect converged sunlight to target area diverged from optical axis of light focusing module
 Assignee: UNIV NAT CHAO TUNG
 Inventor(s): CHEN C
 Derwent Primary Accession Number: 2016-47326A
 Citing Patents: 0
4. ~US2016198571-A1
Transparent electrode for use in e.g. flexible display, has conductive nanowires for forming networks, nanoparticles for binding nanowires to one another, and conductive layer formed on transparent substrate
 Assignee: UNIV YONSEI IND ACADEMIC COOP FOUND
 Inventor(s): PARK J W
 Derwent Primary Accession Number: 2016-467373
 Citing Patents: 0

Photovoltaic **cell** e.g. multi-junction **solar cell**, has active layer comprising multiple disparately sized n-type and p-type nano-particles of different semiconductor materials randomly distributed in conductive polymer blend

Patent Number(s): ~US2016111668-A1

Inventor(s): KORIVI N, DAS K

Patent Assignee Name(s) and Code(s): UNIV TUSKEGEEE (UYTU-Non-standard)

Derwent Primary Accession Number: 2016-235115 [32]

Abstract: NOVELTY - The photovoltaic **cell** (500) has a substrate layer (510), anode layer (508) on the substrate layer, active layer (506) on the anode layer, and cathode layer (504) on the active layer. The active layer comprises multiple disparately sized n-type and p-type nano-particles (514,512) of different semiconductor materials randomly distributed in a conductive polymer blend.

USE - Photovoltaic **cell** e.g. multi-junction **solar cell** and single crystalline **solar cell** for space applications.

ADVANTAGE - The utilization of the entire **solar** spectrum in single device structure that is relatively simple to manufacture and can thus be made economically. The **solar cell** exhibits high conversion efficiency, which can be improved by plasmonic enhancement from noble metal nano-particles. The use of conductive polymers in the active layer and **flexible** materials in the substrate layer, as well as the use of nano-particle blends in the active layer allow structural flexibility. The gold or silver layer provides plasmonic enhancement, which increases the efficiency of **solar cell**.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-sectional view of **solar cell**

Photovoltaic **cell** (500)

Cathode layer (504)

Active layer (506)

Anode layer (508)

Substrate layer (510)

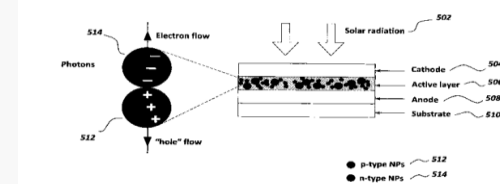
P-type nano-particle (512)

N-type nano-particle (514)

Show Documentation Abstract

Drawing:

500



International Patent Classification: [H01L-051106](#); [H01L-051142](#)

Derwent Class Code(s): A85 (Electrical applications); L03 (Electro-(in)organic, chemical features of electrical devices); U11 (Semiconductor Materials and Processes); U12 (Discrete Devices, e.g. LEDs, photovoltaic cells); X15 (Non-Fossil Fuel Power Generating Systems)

Derwent Manual Code(s): A11-B05; A12-E11B; A12-W16; L03-A02D; L03-E05B2; L04-A05; U11-C18B9; U12-A02A1; U12-A02A3; X15-A01A; X15-A02A

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
~US2016111668-A1	21 Apr 2016	H01L-051142	201632	Pages: 14	English

Interface for communicating between sensing devices and inter-integrated circuit bus in computer system, has write control output connected to write control input of buffer memory module

Patent Number(s) WO2010114402-A2 ; WO2010114402-A3 ; EP2414945-A2 ; US2012084474-A1 ; PL216638-B1 ; US8868812-B2

Inventor(s): MISKOWICZ M, KOSCIELNIK D

Patent Assignee Name(s) and Code(s): AKAD GORNICZO HUTNICZA IM STA (GORN-Non-standard)

AKAD GORNICZO HUTNICZA IM STA (GORN-Non-standard)

AKAD GORNICZO HUTNICZA IM STA (GORN-Non-standard)

AKAD GORNICZO HUTNICZA IM STA (GORN-Non-standard)

Derwent Primary Accession Number: 2010-M77640 [70]

Citing Patents: 1

Patents Cited by Inventor: 1

Patents Cited by Examiner: 9

tytuł zredagowany na nowo

tytuł w espacenet:

INTERFACE FOR COMMUNICATION
BETWEEN SENSING DEVICES AND I2C BUS

cytowania

rodzina patentu

Abstract: NOVELTY - The interface has a conversion module containing an asynchronous analog-to-digital converter (AADC) with an output signal generated at irregular time intervals, whose output is connected to an input of a buffer memory module (BUF). A transmitter/receiver module (SDM) whose output is connected to a data line (SDA) of an inter-integrated Circuit (I2C) bus whose clock line (SCL) is connected through a controller to a clock control module (SCD) output. A write control output (9) is connected to a write control input (10) of the buffer memory module.

USE - Interface for communicating between sensing devices and Inter-Integrated Circuit (I2C) bus in a computer system.

ADVANTAGE - The interface enables the reduction of supply voltage of the circuit, and lowers power consumption for the conversion performance. The interface avoids a need to use microcontrollers that implement functionality of master devices in simple monitoring and control systems, thus simplifying the operation of the interface.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic block diagram of an interface.

Asynchronous analog-to-digital converter (AADC)

Buffer memory module (BUF)

Clock control module (SCD)

Clock line (SCL)

Data line (SDA)

Transmitter/receiver module (SDM)

Write control output (9)

Write control input (10)

Drawing:

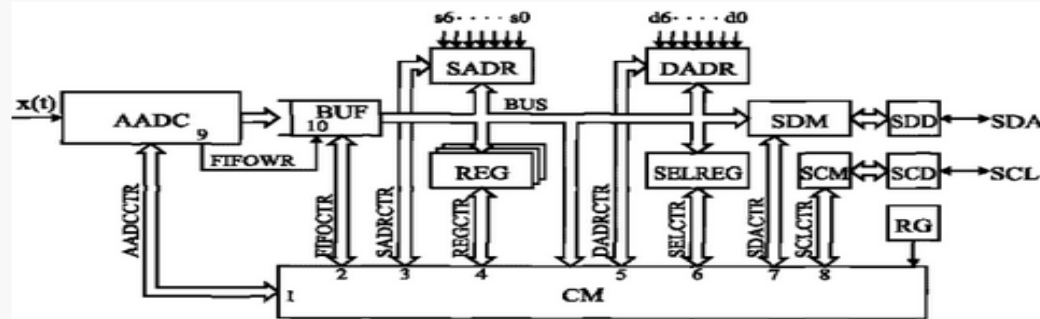


Fig. 1

abstrakt zredagowany na nowo
NOVELTY
USE
ADVANTAGE

International Patent Classification **G06F-013/38**; **G06F-013/42**; G01D-009/24; **G06F-003/05**; G11C-027/02; H03M-001/00; H03M-001/14; **G06F-013/14**

Derwent Class Code(s): T01 (Digital Computers); U14 (Memories, Film and Hybrid Circuits, Digital memories)

Derwent Manual Code(s): T01-C07C2; T01-C08; T01-F04; T01-H05B1; T01-H05B3; T01-H07B; U14-A07B; U14-A08B

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
WO2010114402-A2	07 Oct 2010	G06F-013/38	201067	Pages: 16	English
WO2010114402-A3	25 Nov 2010	G06F-013/38	201077		English
EP2414945-A2	08 Feb 2012	G06F-013/38	201211		English
US2012084474-A1	05 Apr 2012	G06F-013/42	201224		English
PL216638-B1	30 Apr 2014	H03M-001/00	201444		
US8868812-B2	21 Oct 2014	G06F-013/14	201470		English

klasy IPC
Kody Derwent

rodzina patentu

Agnieszka Podrazik

agnieszka.podrazik@bg.agh.edu.pl

Biblioteka Główna AGH

al. Mickiewicza 30, 30-059 Kraków

