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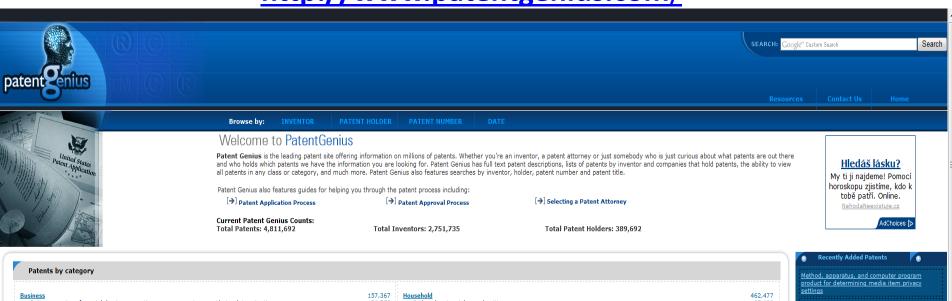


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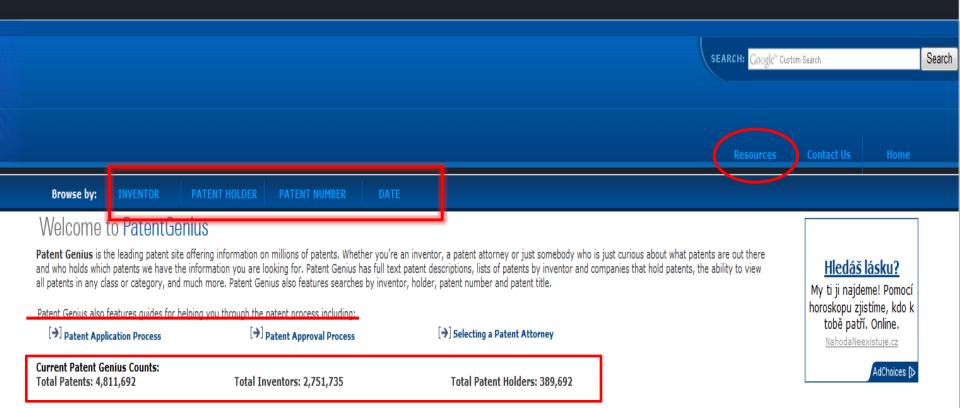
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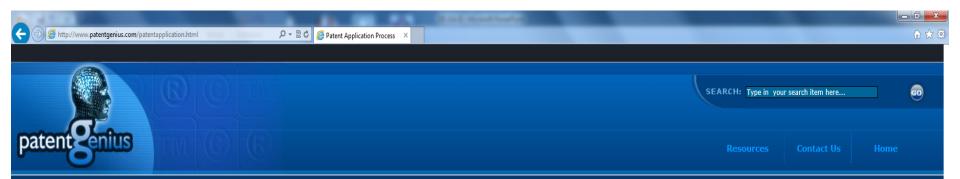
javratova@upv.cz epokorna@upv.cz

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Patent Application Process

Browse by:

What You Need to Know About the Patent Application Process

Do you have a new idea for a product that you would like to invent? If so, have you tried obtaining a patent for your invention yet? If not, what are you waiting for? You are advised to apply for a patent as soon as possible. A patent is important because it prevents other inventors from profiting from your concept. Essentially, a patent is what could make you rich. That is why it is important that you get started as soon as possible.

PATENT NUMBER

Although you are advised to apply for a patent right away, you may have a number of questions about the process. When apply for a patent, this process is often referred to as the patent application process. The patent application process is the period of time before you are actually approved for a patent. Essentially, it is the time when you begin preparing your application to the time when you are either granted or denied a patent.

When applying for a patent, the steps that need to be taken will depend on where you live and where you are applying for a patent. Despite the possibility of different rules and restrictions, most patent offices, whether they are in the United States or the United Kingdom, have similar application procedures that you must first follow. Perhaps, the first step is determining what forms need to be filled out. If you are not required to fill out any preset forms, you will want to determine whether or not there are any specifications on the documents that you will be creating yourself. You can easily learn this by contacting your local patent office.

For the most part, you will need to accurately describe the concept design that you would like patented. This must be done in great detail. Your patent office will use that description to determine whether or not it eligible for approval. If your design is similar to an existing patent or if the information you provided was too vague, there is a good chance that your patent request will be denied. In fact, there is a one hundred percent certainty that your application will get denied; therefore, it is important that you are as accurate and as detailed as you could possibly be.

It is also important that you select the correct patent application. The patent application process allows you to file a standard patent application or a provisional patent application. Standard and provisional applications are used for new patents; however, if you are interested in making alterations to your current patent, whether it already is granted or in the approval stages, you will need to either file a continuation application or a divisional application. After you have finished the patent application process, your application should be ready to submit. At this point in time, the patent approval process will begin.

Although you can successfully go through the patent application process on your own, you may want to consider using the services of a patent attorney. Patent attorneys are qualified individuals who are familiar with the patent laws, as well as the patent application process. Whether you do not have time to follow through with the application process, yourself, or if you would like assistance creating your application, a qualified patent attorney should be able offer you assistance. You can easily find a local patent attorney by using your local phone book or the internet.

As mentioned above, it is extremely important that you get a patent for you next new product idea or concept. Whether you go through the patent application process alone or with the assistance of a patent attorney, you are advised to get started today. In addition to preventing another inventor from using your idea or product design, you might also find yourself being contacted by investors who are interested in helping you get your idea off the ground.

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Hybrid credit card transaction system

Multi-magnet system and speaker using same

Materials as additives for advanced lubrication

Television and electronic apparatus

Method of labeling a package for shipment

Emulsified composition

Method of forming semiconductor device

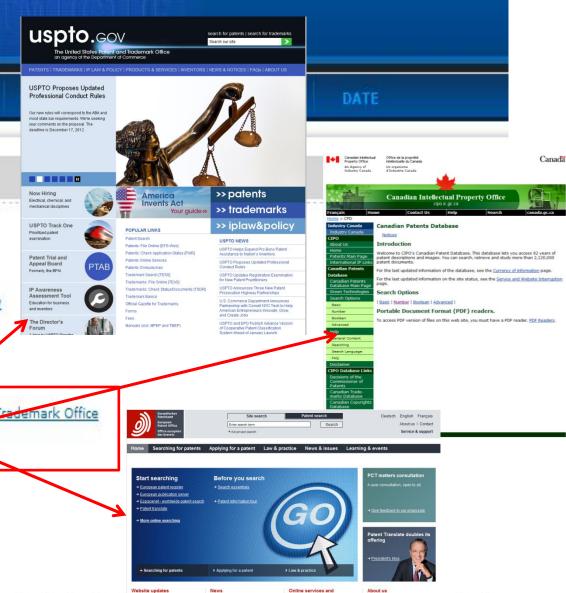


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The CPC and patent information high up on the agenda - A busy week of meetings in Geneva

6.11.2012

15.11.2012
Immoorary unavailability of Espacenet and OPS on 7 November
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Notice concerning the problems caused by Hurricane Sandy in the USA

Decision reducing the fee for the supplementary European search (CAD 14/12)

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Batteries: thermoelectric and photoelectric	17,990	Paper, Printing & Office Supplies	280,913
more		Binder device releasably engaging aperture or notch of sheet	3,809
		Bookbinding: process and apparatus	3,296
<u>Engineering</u>	491,394	Books, strips, and leaves	5,379
<u>Fluid handling</u>	86,418	more	
Hydraulic and earth engineering	35,535		
Semiconductor device manufacturing: process	369,441	<u>Physics</u>	860,595
more		Active solid-state devices (e.g., transistors, solid-state diodes	<u>s)</u> 775,097
		Induced nuclear reactions: processes, systems, and elements	22,318
Entertainment & Recreation	253,755	<u>Nuclear technology</u>	8,477
Amusement devices	4,229	more	
Amusement devices: games	29,737		
Amusement devices: games	34,135	<u>Plants, Animals & Agriculture</u>	201,766
more		Animal husbandry	6,504
		Bee culture	375
<u>Firearms & Weapons</u>	56,745	Butchering	6,344
Ammunition and explosive-charge making	1,705	more	
Ammunition and explosives	21,584		
<u>Firearms</u>	11,381	<u>Tools & Hardware</u>	477,315
more		<u>Abrading</u>	54,890
		Abrasive tool making process, material, or composition	8,210
<u>Food</u>	174,989	Adhesive bonding and miscellaneous chemical manufacture	160,115
<u>Butchering</u>	6,344	more	
Edible products	2,770		
Equipment for preparing or serving food or drink not	18,296	<u>Transportation & Automotive</u>	780,875

There are a number of reasons why you might to do a patent search. For instance, if you think you've invented something really cool, you can freely search patent ideas online and find out if your product is patentable or if someone else had your really cool idea first. Some things that may help you with your patent search are some definitions and terms that you may or may not be familiar with, what is and isn't patentable, and how to get a United States patent.

1,195,553

21,834

254,821

379,515

Aeronautics **Brakes**

...more

Buovs, rafts, and aquatic devices

Patent search Definitions

elsewhere specified

Drug, bio-affecting and body treating compositions

Drug, bio-affecting and body treating compositions

Health & Medicine

Dentistry

...more

...more

Even though you are more than likely familiar with some of the following words, they might have slightly different meaning in this context.

• Patent: right of ownership granted by the government to a person that gives the owner the right to exclude others from making, selling or using the claimed **product**. Also referred to as **trade marks**. Burgler Burgle

Vancomycin-HCL solutions and the lyophilization thereof

38,244

36,026

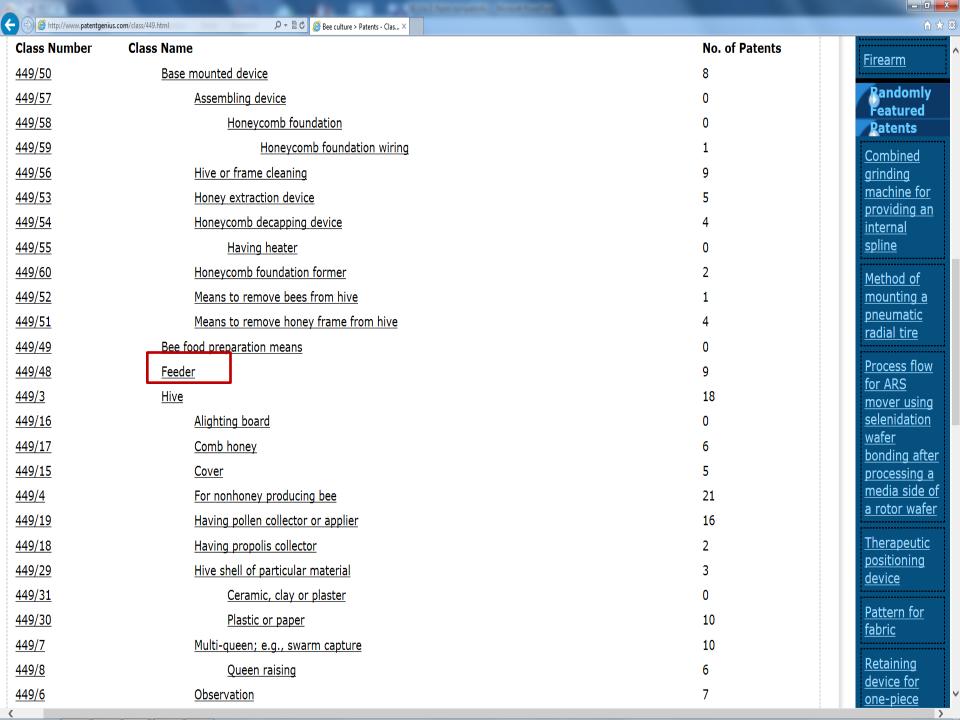
6,309

Preparation of catalyst solution

Serial communication system using an I2C bus as a serial bus

Process of preparing N-substituted aldonamides Single-step process to

upgrade naphthas to an improved gasoline blending stock



computer security us client hygi scores

Byty v Praze - akční ceny







Patents under this class:

Patent Number	Title Of Patent	Date Issued
<u>8475227</u>	Bee feeder assembly; components; and, methods	Jul. 2, 2013
<u>8025552</u>	Artificial diets for honey bees	Sep. 27, 2011
<u>6896579</u>	Method and apparatus for conditioning honey bees	May. 24, 2005
<u>6830499</u>	Beehive feeder	Dec. 14, 2004
<u>6042453</u>	Frame holding bee feeder	Mar. 28, 2000
<u>5423291</u>	Gravity feed butterfly feeder with mesh pad feeding stations	Jun. 13, 1995
<u>5377617</u>	Feeder with food protection grid	Jan. 3, 1995
<u>4322862</u>	Apparatus and method for feeding bees	Apr. 6, 1982
<u>4308627</u>	Process for prevention of chalkbrood disease	Jan. 5, 1982



Glove Modular <u>server</u>

architectur Electronic device hold with pencil

cup

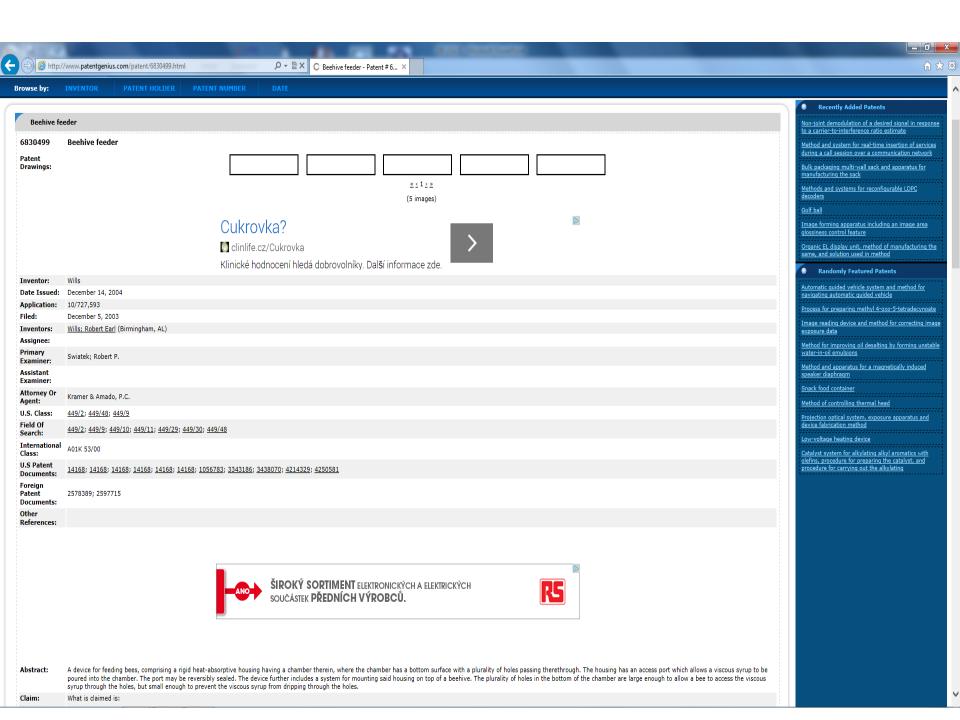
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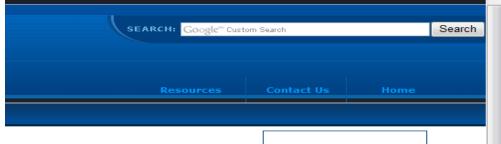
Aqueous lic detergent compositio

Composite materials improved performan

Method for manufactu <u>a dental</u> restoration

Input/outp pixel circui and array such circui





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Browse	by	Inventor
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Browse Inventor by Letter: A B C D E F G H I] K L M N O P Q R S T U V W X Y Z

Search Inventor by Name: Last:

First:

[Optional]

Search

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a'Brassard; Hans-Joachim (Heinsberg, DE)

A'Court; Richard (Beverley, GB)

A'Hearn; Michael A. (Shorewood, IL)

a'Porta: Ruedi (Oslo 1, NO)

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Aadsen; Duane Rodney (Bath, PA)

Aaen; Olav (Kenosha, WI)

Aafjes; Herman C. (Hatfield, PA) Assessed, Clause (Valuables, and C. DVA) a Brassard; Lothar (Heinsberg, DE)

AR; Girish (Mysore, IN)

A'Campo; Paul (Eemnes, NL)

A'Court; Richard (Beverley, GB2)

A'Hearn; Michael Anthony (Shorewood, IL)

A'Rafat: Sa'Ed (Winter Springs, FL)

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Aadnan; Driss (Clerval, FR)

Aae; Bjorn (Kristiansund, NO)

Aaen; Peter H. (Phoenix, AZ)

Aafjes; Reindert (Wormerveer, NL) Assessed, Figure A. (Figure 1911)

A F Klercker Alakula; Mats (Kavlinge, SE)

a Wengen; Daniel F. (Binningen, CH)

A'Costa; Anthony (Pueblo, CO)

A'Dmbrosio; Joseph G. (Clarkson, MI)

A'Lateef; Nmngani (Jeddah 21414, SA)

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Aab; Konstantin (Kassel, DE)

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Aafedt; Ryan (Idaho Falls, ID)

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a Wengen; Daniel F. (Basel, CH)

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Aadland; Lynette M. (Lakeville, MN)

Aadsen; Duane R. (Moores Township, Northau

Aaen Andersen; Lars-Ulrik (Holte, DK)

Aafjes; Herman (Hatfield, PA)

Aagaard; Claus (Copenhagen, DK)



A Alsulaiman; Fawaz Abdulaziz Inventor: Address: Ottawa, CA No. of patents: 1 Patents:

upag ag

Molecular sieve 3A, 4A, 5A, 13X pellets, beads, powder

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Patent Number

8294557

Synchronous interpersonal haptic communication system

Title Of Patent

Date Issued

October 23, 2012

A method, apparatus and system of synchronous haptic communications between an active user and a passive user through a network is provided. An image from an imaging device is captured of the passive user. Geometry or position data is determined from the captured image by utilizing a

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Nokia Technology

INVENTOR

DATENT HOLDER

DATENT NUMBER

Nokia Technology GmbH

DATE

Browse by Patent Holder Browse Assignee by Letter: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Search Assignee by Name: Nokia Search

Sequence Listings

Worldwide Compliance. Sequence Listing Preparation

Nokia Telcommunications Oy

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Nokia Telecommunications Oy

	<u>Nokia</u>	Nokia - Maillefer Holding SA	Nokia Audio & Electronics AB	Nokia Capacitors Ltd.
	Nokia Communications Oy	Nokia Coporation	Nokia Coprporation	Nokia Coroporation
	Nokia Cororation	Nokia Corp	Nokia Corp.	Nokia Corpoaration
	Nokia Corporaation	Nokia Corporatiion	Nokia Corporation	Nokia Corporatoin
	Nokia Corporiation	Nokia Corportation	Nokia Corportion	Nokia Corpration
	Nokia Corproation	Nokia Data Systems A.B.	Nokia Data Systems AB	Nokia Data Systems Oy
	Nokia Display Products Oy	Nokia GmbH	Nokia Graetz	Nokia Graetz GmbH
	Nokia High Speed Access Products Inc.	Nokia High Speed Access Products, Inc.	Nokia Inc.	Nokia Intelligent Edge Routers Inc.
	Nokia Internet Communications Inc.	Nokia Internet Communications, Inc.	Nokia Internet Communictions Inc.	Nokia IP
	Nokia IP Inc.	Nokia IP, Inc.	Nokia Kaapeli OY	Nokia Limited
	Nokia Matkapuhelimet Ov	Nokia Mibile Phones Limited	Nokia Mobiel Phones Limited	Nokia Mobil Phones Limited
ı	Nokia Mobil Phones Ltd.	Nokia Mobil Phones, LTD	Nokia Mobil Phones, Ltd.	Nokia Mobile Limited
	Nokia Mobile Phone Limited	Nokia Mobile Phone Ltd.	Nokia Mobile Phone, Ltd.	Nokia Mobile Phones
	Nokia Mobile Phones Limeted	Nokia Mobile Phones Limited	Nokia Mobile Phones Limted	Nokia Mobile Phones Linited
	Nokia Mobile Phones Llimited	Nokia Mobile Phones Ltd	Nokia Mobile Phones Ltd.	Nokia Mobile Phones, Inc.
	Nokia Mobile Phones, Limited	Nokia Mobile Phones, LTD	Nokia Mobile Phones, Ltd.	Nokia Mobiles Phones Limited
	Nokia Mobiles Phones Ltd.	Nokia Mobiltelefoner AB	Nokia Mobira Oy	Nokia Moblie Phones Ltd.
	Nokia Moible Phones Limited	Nokia Moile Phones Limited	Nokia Movile Phones Ltd.	Nokia Multimedia Network Terminals Ltd.
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	Nokia Networks	Nokia Networks Ov	Nokia Networks Oy	Nokia Networks, Oy
	Nokia Nobile Phones Limited	Nokia Oy	Nokia Oyj	Nokia PHones Limited
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	Nokia Siemens Networks GmbH & Co. KG	Nokia Siemens Networks GmbH & Co. KG.	Nokia Siemens Networks GmbH & Co., KG	Nokia Siemens Networks GmbH Co. KG
	Nokia Siemens Networks Oy	Nokia Siemens Networks S.p.A.	Nokia Siemens Networks, Oy	Nokia Siemens Neworks GmbH & Co. KG



Title Of Patent

Nokia Mobil Phones Ltd. Patents

Nokia Mobil Phones Ltd. Assignee: Address:

Espoo, FI

No. of patents: 4 Ratents:

Patent Number

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Training for Qualification as European Patent Attorney

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<u>6385054</u>	Electronic device	May 7, 2002
An electronic dev	ce (10), comprising at least one circuit board (11); an interference screen (30) to be connected to said circuit board; and a power supply (20) comprising a first terminal (21) and a second termina	al (22). The device is characterized in that said screen (30) comprises me
6292668	Communication network terminal supporting a plurality of applications	September 18, 2001
The present inver	tion relates to a terminal (1) for a communication network, the terminal being capable of supporting a plurality of applications (17, 18) and having means of communicating user messages. The terr	minal comprises means for receiving user messages having data and a heade
6104918	Method for controlling transmitting power and radio system	August 15, 2000
A radio system a	d a method for controlling transmitting power in the radio system, the radio system being composed of at least one base station communicating with one or more subscriber terminals located within	n a coverage area. The transmitting power of each subscriber terminal is c
6088068	Hand-held transmissive LCD having a separation between touch screen and LC panel	July 11, 2000
Display apparatu	, particularly for hand-held equipment, comprising a display means adjustable to vary the transmission of light therethrough and a light source for transmitting light through the display means. A tr	ranslucent or opaque screen may be provided for receiving light transm

Date Issued

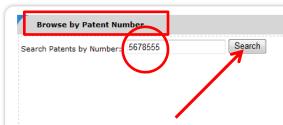


INVENTOR

PATENT HOLDER

PATENT NUMBER

DATE



Metal Stitching

Cast iron mechanical repair without welding

www.locknstitch.com

AdChoices D

Patent Number	Title Of Patent	Date Issued
<u>T999003</u>	Shifted photographic dyes and compositions, elements and processes employing them	Oct. 7, 1980
<u>T999002</u>	Application of polymeric powders to a substrate	Oct. 7, 1980
<u>T999001</u>	Sack handling device	Oct. 7, 1980
T998014	Thiazolyl couplers, coupler compositions and photographic elements suited to forming integral so	Sep. 2, 1980
<u>T998013</u>	Protection of insect pheromones from degradation by ultraviolet radiation	Sep. 2, 1980
T998012	Protection of insect pheromones from degradation by ultraviolet radiation	Sep. 2, 1980
<u>T998010</u>	Process for removal of sulfur dioxide from gases	Sep. 2, 1980
<u>T998009</u>	Handling devices	Sep. 2, 1980
<u>T998008</u>	Computer system and method for decision tree analysis	Sep. 2, 1980
<u>T998007</u>	Phenylsulfamoyl couplers	Sep. 2, 1980
<u>T998006</u>	Nondiffusive compounds comprised of a sensitizing dye moiety and an image dye moiety joined by a	Sep. 2, 1980
<u>T998005</u>	Desensitized benzoyl peroxide compositions	Sep. 2, 1980
<u>T998004</u>	Vehicle motor mounting facilitating motor installation	Sep. 2, 1980
<u>T998003</u>	Apparatus for clamping sheets of variable length onto a rotating drum	Sep. 2, 1980
<u>T998002</u>	Governor dual power setting selection control	Sep. 2, 1980
<u>T998001</u>	Production of urea-ammonium polyphosphates from urea phosphate	Sep. 2, 1980
<u>T997004</u>	Acylhydrazinophenylthiourea nucleating agents and photographic emulsions and elements containing	Aug. 5, 1980
<u>T997003</u>	Idle system fuel control for variable area venturi carburetor	Aug. 5, 1980
<u>T997002</u>	Magnetic fluid-filter assembly	Aug. 5, 1980
<u>T997001</u>	Gasoline dispensing apparatus	Aug. 5, 1980
<u>T996002</u>	Recording materials	Jul. 1, 1980
<u>T996001</u>	Production of ammonium potassium polyphosphates	Jul. 1, 1980
<u>T995007</u>	<u>Coated film assemblies</u>	Jun. 3, 1980
<u>T995006</u>	Method of removal of boron from aqueous solutions	Jun. 3, 1980
<u>T995005</u>	Digital data communication link for automatic machining system	Jun. 3, 1980
<u>T995004</u>	Flame resistant acrylonitrile-butadiene styrene compositions	Jun. 3, 1980
<u>T995003</u>	Machine dishwashing formulations containing alkali metal acetal carboxylate polymers	Jun. 3, 1980

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 1

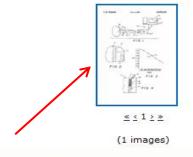


Method of locating and marking veins

5678555

Method of locating and marking veins

Patent Drawings:





O₂ Web Security Gateway

Internet ve firmě pod kontrolou

Inventor:

O'Connell

Date Issued:

October 21, 1997

Application:

08/629,021

Filed:

April 8, 1996

Inventors:

O'Connell; Peter (Boardman, OH)

Assignee:

Primary **Examiner:**

Lateef; Marvin M.

Assistant Examiner:

Fields; Derrick

Attorney Or

Harpman & Harpman

Agent: U.S. Class:

600/473; 600/479

Field Of Search:

128/664; 128/665; 128/736; 374/121; 374/124; 374/129

International

Class:

A61B 5/00

U.S Patent Documents:

4887606; 4945239; 5080103; 5131395; 5309915; 5313951

Foreign Patent

Documents:

Other References:

Abstract:

Description:

Claim:

claim:

A method for locating blood vessels in a live human body utilizing infrared scanning and imaging techniques to distinguish relative temperature differences between blood carrying vessels and surrounding human tissue. An infrared imaging camera is used to detect the emissions of an object to differentiate the specific elevated surface temperature associated with blood vessels in a human body and surrounding tissue and marking same by the introduction of a marking device visible through temperature differentiation within the infrared imaging field.

- 1. A method of locating and marking blood vessels in a live human patient utilizing infrared radiation emissions comprising; providing an infrared imaging camera and processor, providing a live human to be scanned, determining relative temperature difference on the surface of the patient between the blood carrying vessel and associatedhuman tissue by detecting discernible infrared wave length radiation from said live human, providing a location marking device to the three transfer area to mark the located blood vessel on the surface of said patient.
- 2. The method of locating and marking blood carrying veins set forth in claim 1 wherein said location marker device provides a temporary visible mark on the patient associated with the exact location of said blood carrying vessels.
- 3. The method of locating and marking blood carrying vessels in a live patient set forth in claim 1 wherein said imaging camera and processor has an effective temperature range between -20 degrees centigrade to 500 degrees centigrade, a minimum discernable temperature of 0.06 degrees centigrade to 30 degrees centigrade, a spectral range of 8-12 microns and a source of power and view screen associated therewith.

BACKGROUND OF THEINVENTION

1. Technical Field

This invention relates to an improved method for locating and marking blood carrying vessels (veins) in a live human in a non-invasive application using remote detection source.

2. Description of Prior Art

Prior art devices and methods for locating blood carrying veins in a human body have been directed to physical and visual observation of the veins by experienced medical personnel for the insertion of blood drawing needles and IV's used tocollect blood and/or to administer medications or other acquiesce based solutions associated with medical care of the patient.

Non-invasive means and method have heretofore been based upon the generation of ultra-sonic signals and detection of their return echos (using the doppler effect) to penetrate the human body with sound waves and determine by return echo thelocation of pulsating flow of blood through a vein, see for example U.S. Pat. Nos. 5,309,915, 5,131,395, 5,080,103 and 4,887,606.

In U.S. Pat. No. 5,309,915 an apparatus for locating blood vessels is disclosed having a self-contained compact ultra-sonic signal generator that transmits and receives ultra-sonic signals directed towards the patient selectively determining bythe differential of signal return the relative position of the vein.

U.S. Pat. No. 5,131,395 is directed towards an ultra-sonic apparatus for guiding needles to surface vessels in which an ultra-sonic transmitter and receiver is positioned on the adjacent end of a needle and is used to transmit and receive highenergy ultra-sonic signals to determine the relative position of surface veins.

In U.S. Pat. No. 5,080,103 a syringe for doppler sonographically aided penetration is disclosed in which a syringe becomes the transmitter and receiver of ultra-sonic sound waves in order to determine and locate the relative position of thevein as the syringe is positioned above the surface of a patient.

Finally, U.S. Pat. No. 4,887,606 is directed to an apparatus for use in cannulation of blood vessels in which a hollow needle is utilized having a transducer mounted on one end positioned within for transmitting and receiving ultra-sonic wavesthrough the sharpened end of the needle.

SUMMARY OF THE INVENTION

A non-invasive method for detection and location of blood carrying veins by using the temperature differential between the blood carrying veins and the surrounding body tissue, by the use of infrared pyronetues the temperature of a farget surface can be measured without direct contact with the target surface. The location of the temperature differential associated with blood carrying veins on a live human patient can be determined and visually illustrated by use of a focal planearray infrared camera with a selective electronic output to a internal or remote viewing screen.

DESCRIPTION OF THE DRAWINGS

- FIG. 1 is a graphic illustration of the present invention displaying a human limb and associated blood carrying veins and a representation of an infrared scanning equipment and output screen;
- FIG. 2 is an enlarged graphic illustration denoting temperature differential of blood carrying veins and surrounding tissue achieved by the present invention;
- FIG. 3 is a graph illustrating temperature to infrared wave length association; and
- FIG. 4 is a graphic illustration of marking a located blood carrying vessel by infrared radiation detection of temperature differential using a visually apparent marking instrument.

DESCRIPTION OF THE PREFERRED EMBODIMENT

A method of detecting and visually marking blood vessels 10 in a live human being 11 using an infrared imaging camera and processor system 12. An infrared radiation R as indicated in FIG. 1 of the drawings is classified as part of theelectromagnetic spectrum from .sup..about. 0.75 um to >1,000 microns where the radiation becomes indistinguishable from microwaves at the high end of the radio spectrum.

Infrared radiation R is subject to the basic laws of reflection, refraction, polarization and defraction in the same manner as that of visible light waves.

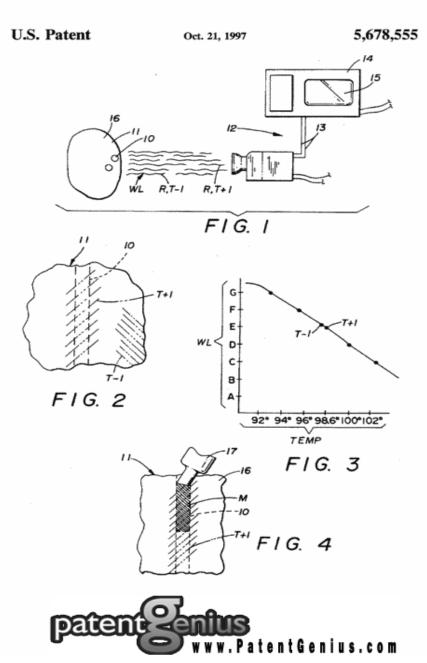
Infrared radiation R wave length L changes as the temperature T of the object heats up. Wherein cool target radiation is predominately in the long wave length area as best seen in FIG. 3 of the drawings. When an object becomes hotter, theinfrared radiation wave lengths become shorter thus infrared scanning equipment can differentiate between relative temperatures of objects and surface areas by interpreting the long and short wave length of the infrared emission therefrom.

The instant invention utilizes the infrared imaging camera and processing system 12 utilizing a focal plane array infrared camera such as model 812, manufactured by FLIR Systems of Portland, Oreg. having a spectral range of 8-12 um which corresponds to an effective temperature determining range of -20 degrees to 500 degrees centigrade with a minimum discernable temperature of 0.06 degrees centigrade to 30 degrees centigrade which is well within the blood carrying vein 10 temperaturedifference between surrounding tissue and the vein.

The infrared imaging camera system 12, chosen for illustration, produces real time infrared thermal images/analysis capable of discerning the relative temperature difference (T+1) between the blood carrying vessel 10, best seen in FIG. 2 of thedrawings, and the surrounding surface area 13 delineated by temperature (T-1). The temperature difference is visually displayed on a processor 14 view screen 15 interconnected to the infrared imaging camera of the system 12 by cables 16.

The present process of the invention utilizes multiple steps to determine and mark vein location defined by first; positioning and patient's arm 16 (in this example) to be scanned before the infrared scanning camera system 12.

Activating the infrared camera scanning system 12 and connected imaging processor.





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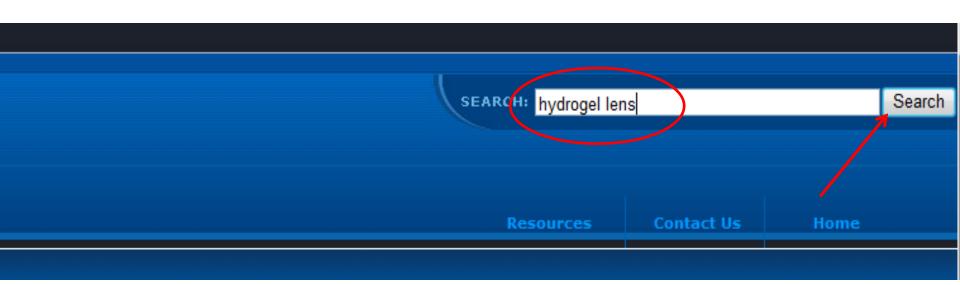
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Patent Number	Title Of Patent	Date Issued
RE35640	Reversible thermosensitive recording material	Oct. 21, 1997
RE35639	Method and apparatus for measuring ratio of mass flow rates and energy flow in a gas pipeline	Oct. 21, 1997
RE35638	Burglar alarm and door chime	Oct. 21, 1997
RE35637	Closing apparatus for the bottom pouring hole of a casting ladle	Oct. 21, 1997
RE35636	IUD inserting apparatus	Oct. 21, 1997
RE35635	Adjustable casement hinge	Oct. 21, 1997
RE35634	Method of stone washing fabric with a synthetic abrasive stone	Oct. 21, 1997
PP10081	BA 78-165 Kentucky Bluegrass	Oct. 21, 1997
PP10080	BA 77 700` Kentucky Bluegrass	Oct. 21, 1997
PP10079	`Tift 94` Bermudagrass	Oct. 21, 1997
PP10078	New Guinea impatients named `BFP-605 Orange`	Oct. 21, 1997
PP10077	Poinsettia plant named Fiscorosa	Oct. 21, 1997
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PP10074	Chrysanthemum plant named `Chaqira`	Oct. 21, 1997
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PP10071	Hybrid Tea rose plant variety named `Wekjuvoo`	Oct. 21, 1997
PP10070	Shrub rose plant variety named `Wekboroco`	Oct. 21, 1997
D385384	Sweeper	Oct. 21, 1997
D385383	Feeder for animals	Oct. 21, 1997
D385382	<u>Table lamp</u>	Oct. 21, 1997
D385381	Chandelier	Oct. 21, 1997
D385380	Suspended lighting fixture	Oct. 21, 1997
D385379	Fluorescent lighting fixture	Oct. 21, 1997
D385378	<u>Lighting fixture</u>	Oct. 21, 1997
D385377	<u>Chandelier</u>	Oct. 21, 1997
D385376	Wall light	Oct. 21, 1997
D385375	Wall light	Oct. 21, 1997
D385374	<u>Lamp</u>	Oct. 21, 1997
D385373	Strobe light	Oct. 21, 1997
D385372	Two piece track lighting fixture	Oct. 21, 1997
D385371	<u>Flashlight</u>	Oct. 21, 1997
D385370	Vehicle courtesy lamp	Oct. 21, 1997
D385369	Rear light of a bicycle	Oct. 21, 1997
D385368	<u>Dual mode area illumination device for vehicles</u>	Oct. 21, 1997
D385366	Halogen lamp	Oct. 21, 1997
D385365	Pylon	Oct. 21, 1997



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Pad transfer printing of silicone hydrogel lenses using - Patent Genius

The present invention provides a method for making colored silicone **hydrogel** contact **lenses**. The method of the invention comprises the steps of: (a) applying a ... www.patentgenius.com/patent/8147728.html

Water-based inks for hydrogel lenses - Patent # 7354959 ...

The present invention is related to water-based inks for making colored **hydrogel** contact **lenses**, in particular, colored HEMA-based **hydrogel** contact **lenses**. www.patentgenius.com/patent/7354959.html



Radially segemented zone of focus artificial hydrogel lens -

An implantable or contact **hydrogel lens** for replacement of a defective natural **lens** in an eye in which various portions of the **lens** have different powers and focal ...

www.patentgenius.com/patent/4921496.html



Use of surfactants in extraction procedures for silicone hydrogel ...

Methods of producing silicone **hydrogel** ophthalmic **lenses** include contacting ... In some examples, contacting silicone **hydrogel** ophthalmic **lens** products with a ...

www.patentgenius.com/patent/7968018.html



Wettable silicone hydrogel contact lenses and related

The silicone **hydrogel** contact **lenses** can be obtained from non-polar resin based contact **lens** molds and without surface treatments or an interpenetrating ...

www.patentgenius.com/patent/7572841.html

Method for making colored silicone hydrogel contact lenses - Patent ...

Colored silicone **hydrogel lenses** produced according to the invention will be useful as daily wear **lenses** and extended wear **lenses**. The **lenses** will allow ... www.patentgenius.com/patent/7213918.html

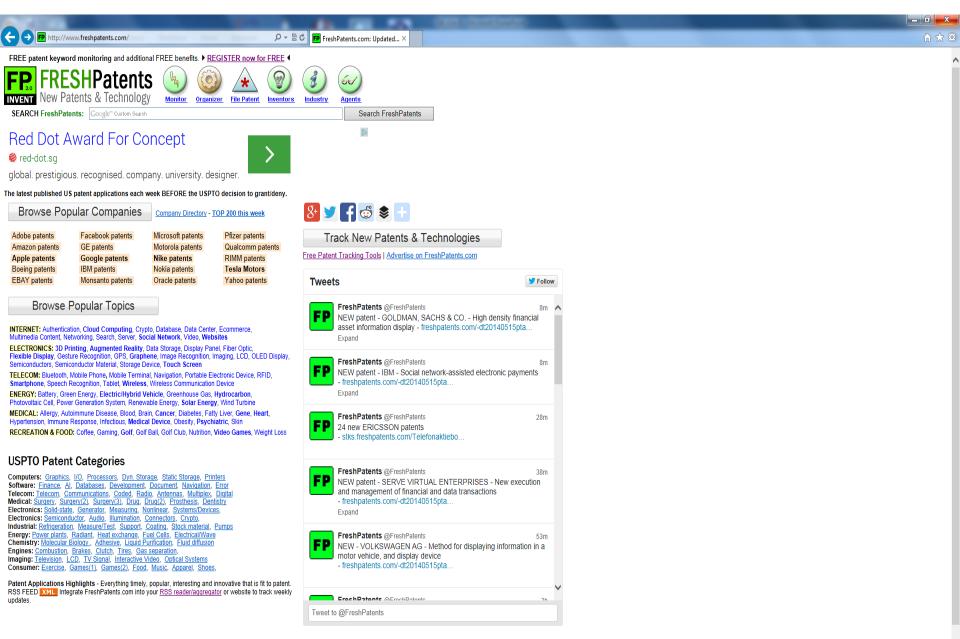


Wettable silicone **hydrogel** contact **lenses** and ... - Patent Genius

Silicone **hydrogel** contact **lenses** having ophthalmically acceptable surface wettabilities are obtained from pre-extracted polymerized silicone **hydrogel** contact ...

www.patentgenius.com/patent/8231218.html

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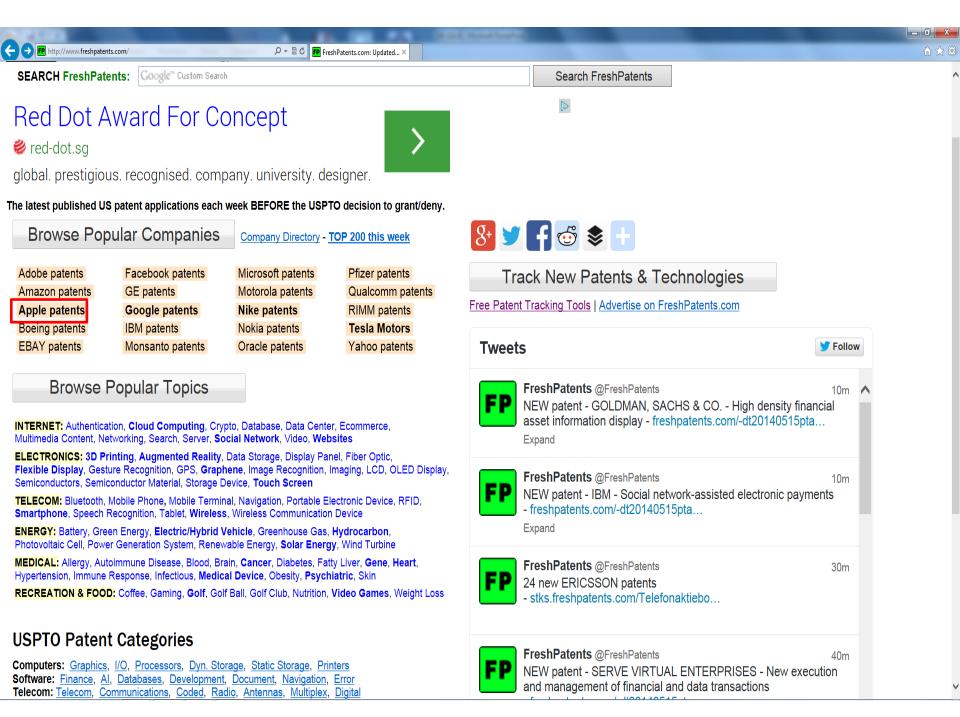
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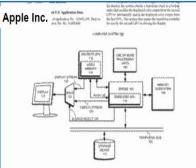
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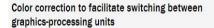
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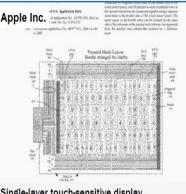












Single-layer touch-sensitive display

Application # Date Apple Inc. patents - extended list - ARCHIVE: New 2014 2013 2012 2011 20140131210 05/15/14 NEW Method and apparatus for forming a layered metal structure with an anodized surface

20140133329 05/15/14 NEWI Adaptive channel state feedback estimation

20140133321 05/15/14 NeW Method for validating radio-frequency performance of wireless electronic devices

20140133179 05/15/14 NEWI Electronic device with display chassis structures Industrial/Electronics

20140133174 05/15/14 NEWI Displays and display chassis structures

20140132860 05/15/14 NEWI Single-layer touch-sensitive display

20140132641 05/15/14 NEW Systems and methods for light-load efficiency in displays

20140132624 05/15/14 NEWI Color correction to facilitate switching between graphics-processing units

20140132585 05/15/14 NEWI Devices and methods for reducing power consumption of a demultiplexer

20140132578 05/15/14 NEWI Ambient light sensors with infrared compensation 20140132508 05/15/14 NEW Electronic devices with gaze detection capabilities

20140132463 05/15/14 №W Handheld electronic device with cable grounding



Displays/Optics/Imaging

Television. Liquid crystal cells, elements and systems, Optics: eye examining, vision testing and correcting, Optics: motion pictures, Optics: image projectors, Photocopying, Optics: measuring and testing, Facsimile and static presentation processing. Optical: systems and signal processing for dynamic recording or reproducing, Photography, Optical communications, Electrophotography, Radiation imagery chemistry: process, or earthenware shaping or treating: apparatus, Coating composition, or product thereof. Interactive video distribution systems. Photography and optical equipment,

makers and breakers. High-voltage switches with arc

software development, installation, and management.

Electronics & Electrical Electricity: conductors and insulators, Electricity: circuit

preventing or extinguishing devices. Electric heating, Active solid-state devices (e.g., transistors, solid-state diodes), Electrical generator or motor structure, Electric lamp and discharge devices. Electric lamp and discharge devices: consumable electrodes, Electric lamp and discharge devices: systems, Electricity: motive power systems. Electricity: battery or capacitor charging or discharging. Electricity: single generator systems. Electricity: power supply or regulation systems, Electricity: measuring and testing, Electronic digital logic circuitry, Miscellaneous active electrical nonlinear devices, circuits, and systems, Demodulators, Amplifiers, Oscillators, Modulators. Wave transmission lines and networks. Tuners. Electricity: magnetically operated switches. magnets, and electromagnets, Inductor devices, Electricity: electrothermally or thermally actuated switches, Electrical resistors, Electricity: electrical systems and devices. Illumination. Electric power conversion systems. Agitating, Horology: time measuring systems or devices, Coherent light generators, Industrial electric heating furnaces. Thermal measuring and testing. Electrical pulse counters, pulse dividers, or shift registers: circuits and systems, Electricity: motor control systems, Electric resistance heating devices, Electrical transmission or interconnection systems. Semiconductor device

manufacturing: process, Electrical connectors, Electric

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washer making: process and apparatus, Tool changing, Roll or roller, Imperforate bowl: centrifugal separators, Tools and hardware. Measuring, testing, or signalling instruments. Washing, cleaning, or drying machine.

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05/08/2014 > 8 patent applications in 7 patent subcategories.

20140127638 - Orthodontic bracket having a biased slide member: An orthodontic bracket includes a bracket body, a slide member, and a resilient member. The slide member is slidable relative to the archwire slot. The resilient member is coupled to and is slidable with the slide member. The resilient member is configured to engage a first portion of the bracket... Agent: Ormco Corporation

20140127639 - Dental treatment diagnostic method, method for calculating determination indicators, program and computer: Using the distance (S-A) between S and A, the distance (S-Xi) between S and Xi (i is an integer from 1 to 4. X1=B, X2=Pog, X3=Gn and X4=Me.) and the distance (Go-Xj) between Go and Xj (j is an integer from 1 to 4. j=i or j≠i.) which are measured... Agent: Cephmedical Corporation

20140127640 - Dental drill bit system and method: A dental drill is disclosed which allows for an osteotomy to be formed in a shape which closely matches the cylindrical shape of many dental implants. In so doing, the implant engages more tissue of the resulting osteotomy, thus resulting in greater ability for the tissue to penetrate and fuse... Agent: Zimmer Dental, Inc.

20140127641 - Oral irrigator: An oral irrigator is provided that has a pump unit having at least a first pump being connected or being connectable to at least a first fluid reservoir containing a first fluid, a control unit for controlling the pump unit, at least a first outlet nozzle for emitting fluid pumped... Agent: Braun Gmbh

20140127642 - Non-removable bridge dental prosthesis: The present invention relates to a non-removable bridge dental prosthesis that enables an artificial tooth for replacing a damaged tooth to be conveniently and safely installed without need of an artificial dental root or removal of an adjacent tooth. According to the present invention, the non-removable bridge dental prosthesis consists... Agent:

20140127643 - Frictional angled dental implant: The present invention discloses a frictional angled dental implant 100, and the dental implant 100 includes a planted portion 110 being fixedly planted to in an alveolar bone 1, a non-planted portion 130 having the height corresponding to the thickness of gum 2 and provided with an abutment connecting portion... Agent: Neobiotech Co., Ltd.

20140127645 - Medical and dental implant package: The invention is a protective package for delivering a medical or dental implant to an implantation site. The protective package protects the implant from contact with any surfaces from which bacteria or other contaminants could be transferred to the implant itself. The protective package is adapted to allow the implant... Agent: Precise Implant Systems E.s. Ltd.

20140127644 - Oval section dental implant: This invention concerns a dental implant with an oval section which allows making implants in places which were not able to make it in them before, because its being narrow in one of the directions distal-mesial or lingual-buccal. The design allows a better cosmetic and gingival case when making implant... Agent:

abstract

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05/01/2014 > 12 patent applications in 10 patent subcategories.

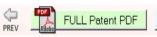
20140120490 - <u>Automatic placement of precision cuts</u>: An orthodontic positioning device and methods for making an orthodontic positioning device including a first patient removable orthodontic tooth positioning appliance having teeth receiving cavities shaped to receive and apply a resilient positioning force to a patient's teeth provided in one of an upper jaw and a lower jaw. The... Agent: Align Technology, Inc.

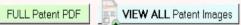
20140120488 - Orthodontic treatment aligners based on ct data: A system and method for orthodontic alignment includes a radiographic template. The radiographic template has a plurality of metallic markers. A negative impression of a patient's dental arch is made. At least one orthodontic treatment aligner is produced. The aligner is manufactured based in part on a computed axial tomography... Agent:

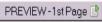
20140120489 - Orthosis comprising an upper tray and a lower tray, and connection with adjustable positioning: An orthosis includes an upper tray and a lower tray, which are designed to line the teeth of an upper jaw and the teeth of a lower jaw, respectively. A connection joins the trays. The upper tray has at least a first fixed base, and the lower tray has at... Agent: Medventiv



Dental drill bit system and method









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Dental drill bit system and method

A dental drill is disclosed which allows for an osteotomy to be formed in a shape which closely matches the cylindrical shape of many dental implants. In so doing, the implant engages more tissue of the resulting osteotomy, thus resulting in greater ability for the tissue to penetrate and fuse with the implant while also reducing the chances of infection and reducing the overall recovery time. In addition, by forming the dental drill with a relatively obtuse angulation between the termini of the drill flutes, the cutting forces are spread across a larger cutting area thus reducing wear on the drill itself. Moreover, by spreading the cutting force over a larger area, the heat generated by the drill is reduced and thus the discomfort afforded to the patient is reduced. Related Terms: Dental Drill Implant Osteotomy Dental Implant Dental Implants

Search

Browse recent Zimmer Dental, Inc. patents - Carlsbad, CA, US

USPTO Application #: #20140127640 - Class: 433 75 (USPTO) - 05/08/14 - Class 433

Dentistry > Apparatus > Having Gauge Or Guide > Having Tool, Marker, Or Coupling Or Guiding Means Therefor

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High quality & Low loss Planar Waveguide (PLC) Splitter products

Inventors: John Zacharia, Kim Nguyen







The Patent Description & Claims data below is from USPTO Patent Application 20140127640, Dental drill bit system and method.



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tissue and into the jaw bone of a patient. While not depicted, such a drill bit of course would be attached to a drill or other power tool used by a dentist or oral surgeon when surgically placing dental implants into a patient. In addition, while the drill bit 20 is shown as having certain dimensions, it is to be understood that the teachings of the disclosure can be used to create drill bits of different lengths and diameters as well. Finally, while the drill bit 20 is referred to herein as a dental drill bit, this is merely exemplary as the teachings of this disclosure can be used in any orthopedic procedure wherein osteotomies in any bone tissue may be needed.

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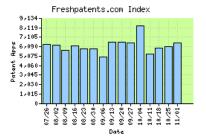
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Chemistry: Molecular Biology, Adhesive, Liquid Purification, Fluid diffusion

Engines: Combustion, Brakes, Clutch, Tires, Gas separation,

Imaging: Television, LCD, TV Signal, Interactive Video, Optical Systems Consumer: Exercise, Games(1), Games(2), Food, Music, Apparel, Shoes,



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Convertible fishing lure assembly

A convertible fishing lure assembly includes a lure body having at least one body section and a channel extending longitudinally therethrough and terminating in oppositely disposed open ends. A securing member, and in at least some embodiments ...

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Channel member and ultrasonic fluid-measuring apparatus













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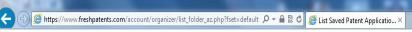
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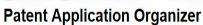












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20070167466 - pyrazolo [4,3-d]pyrimidines, processes for their preparation and methods of use

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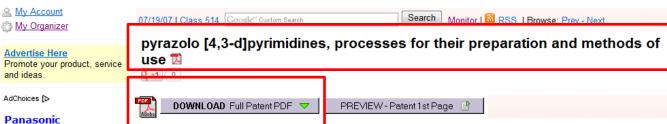












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Abstract: The invention relates to 3-,7-disubstituted pyrazolo[4,3-d]pyrimidines represented by the general formula I (I), and sharmac atically acceptable salts thereof, wherein R3 is selected from the group consisting of alkyl, cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl alkyl, cycloheteroalkyl, aryl, heterocycle, heteroaryl, arylalkyl, heteroarylalkyl, and heteroalkyl, wherein each of the groups may optionally be substituted, R7 is selected from the group consisting of halogen, hydroxyl, hydroxylamino, amino, carboxyl, cyano, nitro, amido, sulfo, sulfamido, carbamino, unsubstituted or substituted alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted arylalkyl, substituted or unsubstituted heteroalkyl, substituted or unsubstituted heteroarylalkyl, substituted or unsubstituted cycloalkyl alkyl, substituted or unsubstituted cycloheteroalkyl alkyl; R7'-X— wherein X is an —NH—, —N(alkyl)-, -0- or —S— moiety and R7' is selected from the group consisting of H, alkyl, cycloalkyl, aryl, alkylcycloalkyl, arylalkyl, heterocycle, heterocyclealkyl, substituted alkyl, substituted cycloalkyl, substituted aryl, substituted arylalkyl, substituted heterocycle, substituted heteroaryl, substituted heteroarylalkyl, substituted heteroalkyl, substituted cycloalkyl alkyl and substituted cycloheteroalkyl alkyl, wherein the groups are preferably substituted by more than one halogen, hydroxyl, amino, mercapto, carboxyl, cyano, nitro, amido, sulfo, sulfamido, carbamino, alkyl, alkoxy, and substituted alkyl group. ...

Agent: -

niela Moravcova, Libor Havlicek, Vladimir Krystof, Rene Lenobel, Pavla Binarova, Petr Mlejnek, Borek Vojtesek, Stjepan Inventors: D Jldrijan Thomas Schmulling, Miroslav Strnad

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The Patent Description & Claims data below is from USPTO Patent Application 20070167466, pyrazolo [4,3-d]pyrimidines, processes for their preparation and methods of use.

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[0001] This invention relates to new pyrazolo[4,3-d]pyrimidine derivatives and to their use in suitable utilities, especially in cancer therapy and agricultural practice.

[0002] The cell division cycle is an evolutionarily conserved process in all eukaryotic cells to control growth and division. The cell cycle consists of four distinct stages illustrated in FIG. 7, the G1, S, G2 and M phase. Normal cellular proliferation is initiated and tightly controlled by a series of regulatory mechanisms that either permit or prevent cell cycle progression. In every phase, there are protein complexes, the cyclins and cyclin-dependent kinases regulating and advancing the cell cycle. FIG. 7 shows the cell division cycle (cdc) consisting of four phases G1 S G2 and M Mitosis (the actual division) occurs in M-phase. In every phase, there are specific cyclin-

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[0001] This invention relates to new pyrazolo[4,3-d]pyrimidine derivatives and to their use in suitable utilities, especially in cancer therapy and agricultural practice.

[0002] The cell division cycle is an evolutionarily conserved process in all eukaryotic cells to control growth and division. The cell cycle consists of four distinct stages illustrated in FIG. 7, the G1, S, G2 and M phase. Normal cellular proliferation is initiated and tightly controlled by a series of regulatory mechanisms that either permit or prevent cell cycle progression. In every phase, there are protein complexes, the cyclins and cyclin-dependent kinases regulating and advancing the cell cycle. FIG. 7 shows the cell division cycle (cdc) consisting of four phases G1, S, G2 and M. Mitosis (the actual division) occurs in M-phase. In every phase, there are specific cyclin-dependent kinase complexes present (CDK's).

[0003] Proliferative disorders such as cancer are recognised as diseases of the cell cycle. It has been found that in tumour cells, the mechanisms that normally function to restrain cell division are defective, whilst those that promote division become more active. The genes responsible for these changes in growth and proliferation are generally named "tumour suppressors" and "oncogenes". Cell-cycle regulatory compounds are pivotal in the modulation of abnormal cellular proliferation as they provide ideal targets for therapy for a range of proliferative disorders.

[0004] A series of 3-,7-disubstituted pyrazolo[4,3-d]pyrimidines are useful for inhibition of cyclin-dependent kinases (preferably p34.sup.cdc2/cyclin B). Hence they can be used as antimitotic and apoptotic drugs, particularly as anticancer drugs and herbicides. Likewise, the compounds can be used as anti-fungal agents, which may have high value in the treatment of aspergillosis, penicilliosis, actinomycosis and the like. Difference in homology of insect CDK genes permit selection of compounds of this invention which discriminate between insect/mammalian CDK enzymes and thus leads to insecticides.

SUMMARY OF THE INVENTION

[0005] It is an object of this invention to provide antimitotic, anticancer, herbicidal, fungicidal and insecticidal compounds having improved selectivity and efficiency index, i.e. that are less toxic yet more efficacious than analogues known heretofore.

[0006] It is an object of this invention to provide 3,7-disubstituted pyrazolo[4,3-d]pyrimidines, which inhibit the cdks, cell proliferation or block cytokinin receptors.

[0007] A further object of this invention is to provide a pharmaceutical composition, which comprises a 3,7-disubstituted pyrazolo[4,3-d] pyrimidine, and a pharmaceutically acceptable carrier.

[0008] A further object of this invention to provide a method for inhibiting cell proliferation and/or inducing apoptosis to a mammal or plant in need of an effective amount of 3,7-disubstituted pyrazolo[4,3-d]pyrimidines.

[0009] This invention further constitutes a method for inhibiting cell proliferation to a plant in need of an effective amount 3,7-disubstituted pyrazolo[4,3-d]pyrimidines.

[0010] The solution of this object are 3-,7-disubstituted pyrazolo[4,3-d]pyrimidines represented by the general formula I and pharmaceutically acceptable salts thereof, wherein R3 is selected from the group consisting of alkyl, cycloalkyl, cycloalkyl alkyl, cycloheteroalkyl, aryl, heterocycle, heterocaryl, arylalkyl, heterocarylalkyl, and heteroalkyl, wherein each of the groups may optionally be substituted, R7 is selected from the group consisting of halogen, hydroxyl, hydroxylamino, amino, carboxyl, cyano, nitro, amido, sulfamido, carbamino, unsubstituted or substituted alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted cycloalkyl, alkyl, substituted or unsubstituted cycloalkyl, aryl, alkylcycloalkyl, arylalkyl, heterocycle, heterocycloalkyl, substituted alkyl, substituted or unsubstituted alkyl, substituted or unsubstituted alkyl, substituted or unsubstituted alkyl, substituted heteroarylalkyl, substituted by halogen, hydroxyl, amino, mercapto, carboxyl, cyano, nitro, amido, sulfo, sulfamido, carbamino, alkyl, alkoxy, and/or substituted alkyl group, in particular by more than one of the above substituents, preferably by 1 to 3 substituents.

[0011] In another embodiment, this invention is a method for inhibiting cdks and cell proliferation and/or for inducing apoptosis in plants, comprising administering an effective amount of a composition comprising one or more compounds according to claim 1 to the plant. The cdk inhibiting molecules are useful for treating disorders, some of them involving cell proliferation, and thus are useful as herbicides.

[0012] In yet another embodiment, this invention is a pharmaceutical composition comprising one or more compounds according to claim 1 in an admixture with one or more pharmaceutical excipients.

[0013] In still another embodiment, this invention is a composition comprising one or more compounds according to claim 1 useful for

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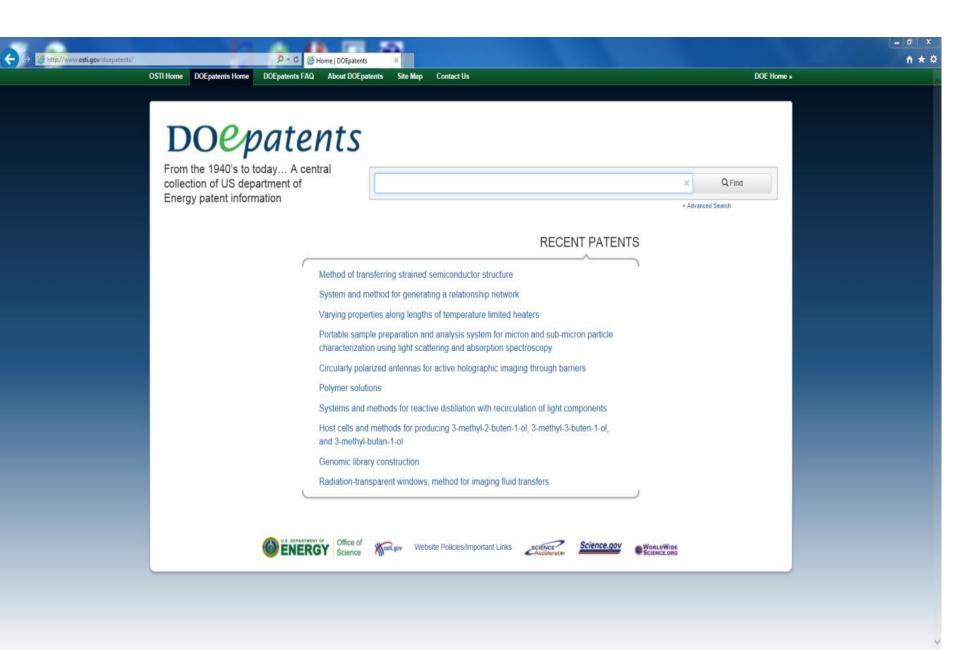
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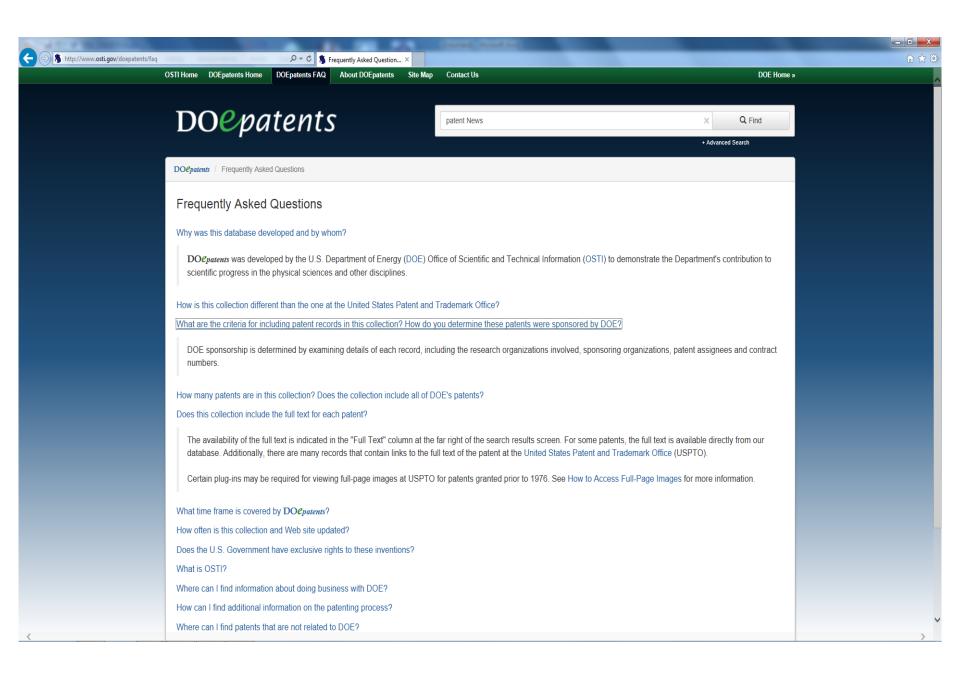
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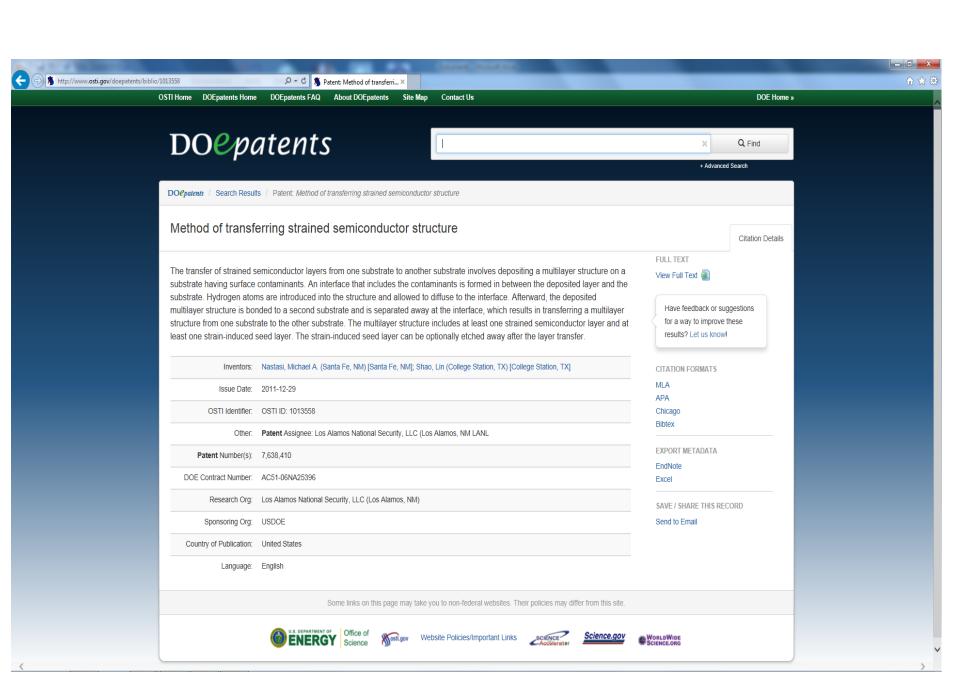
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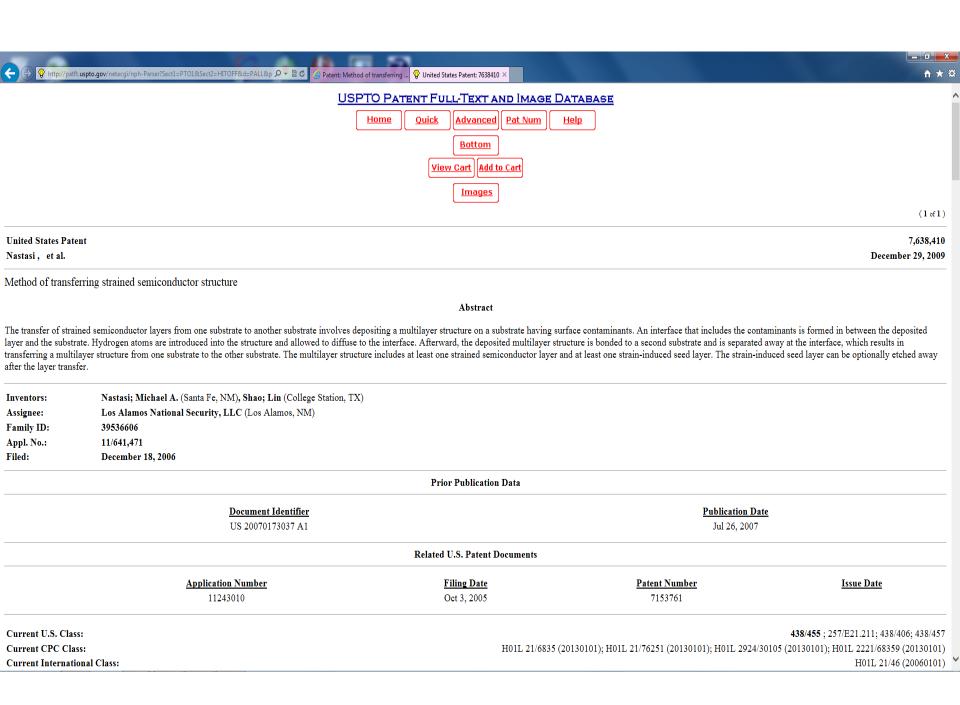
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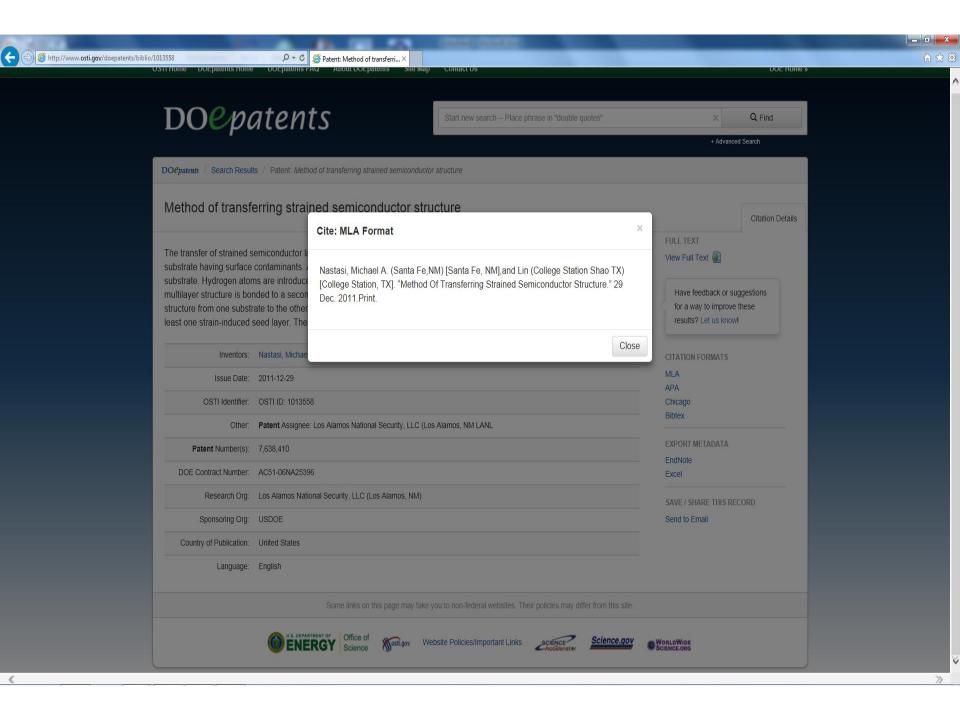
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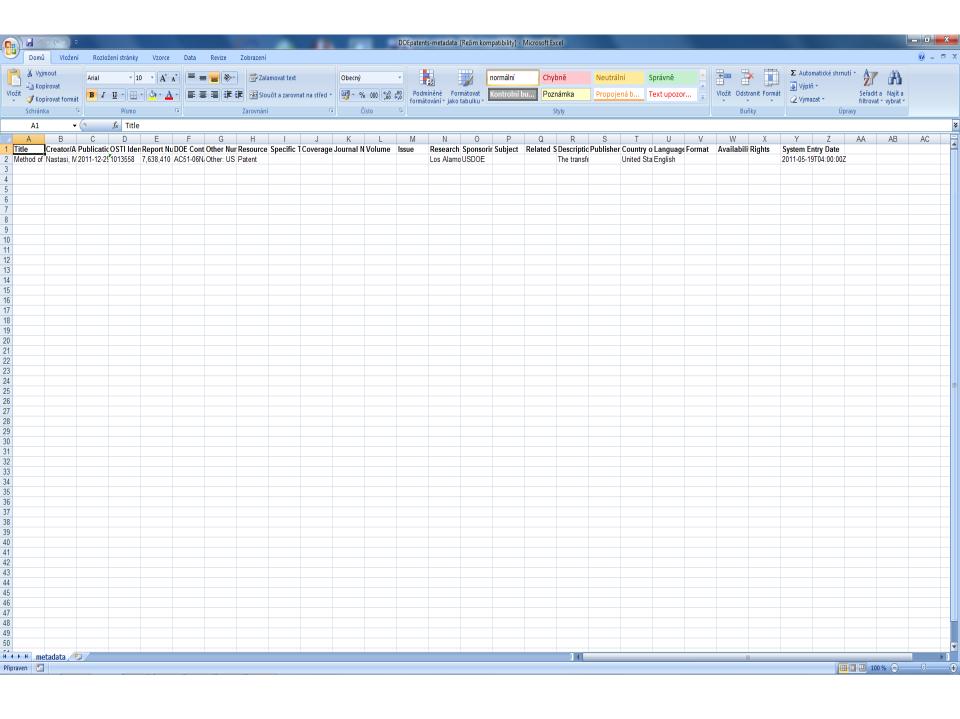


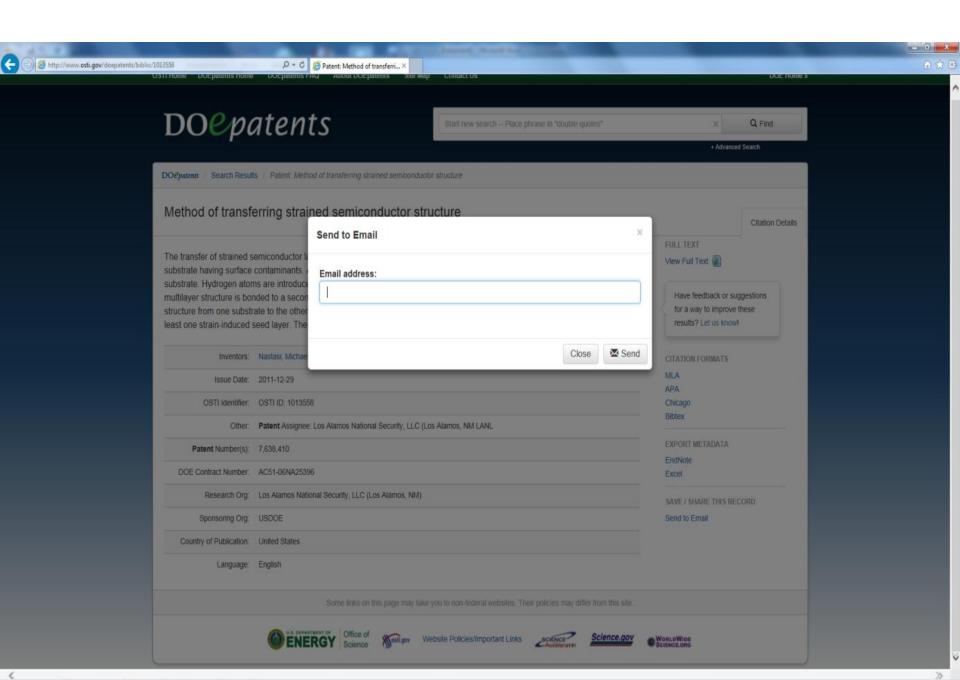


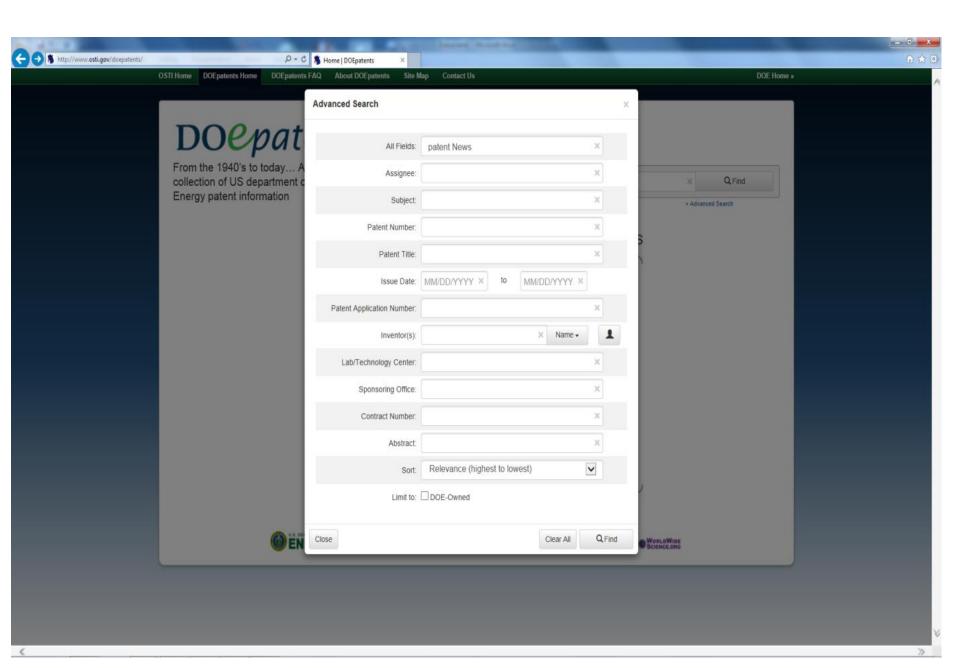


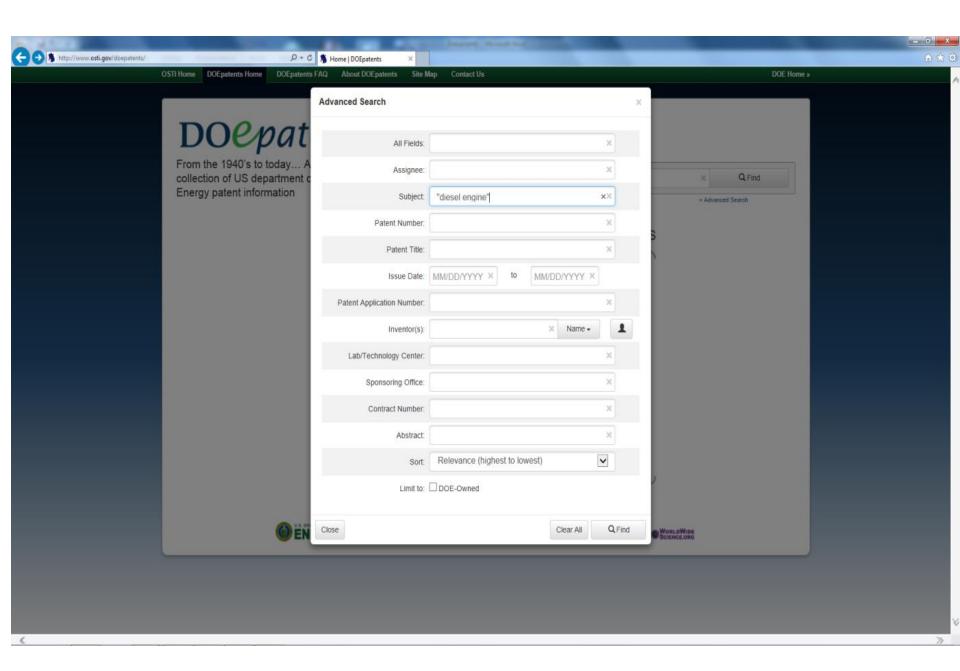


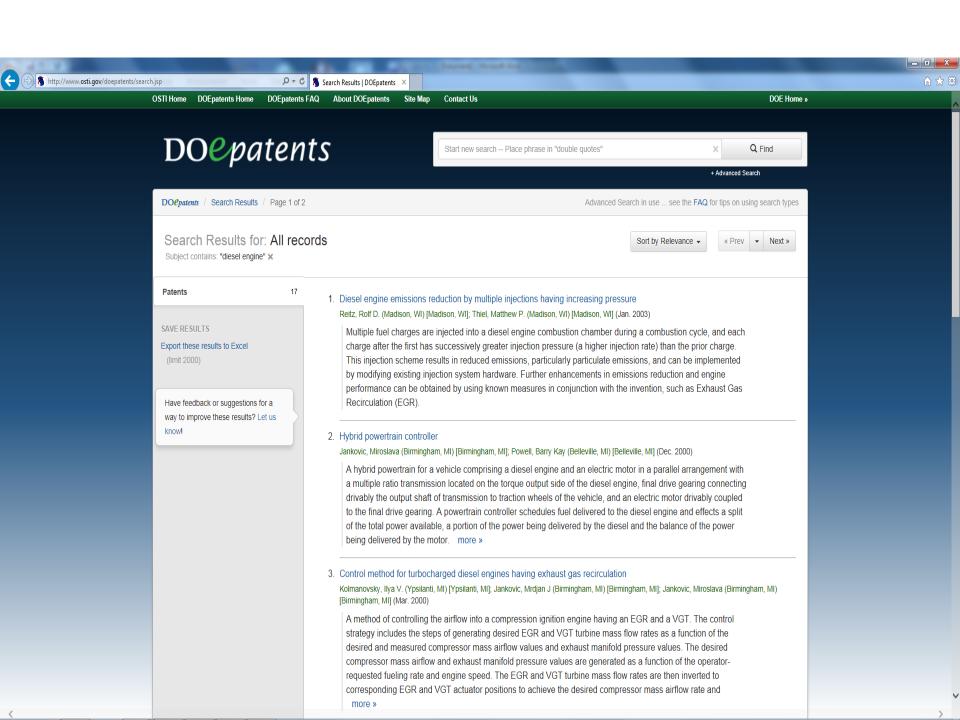


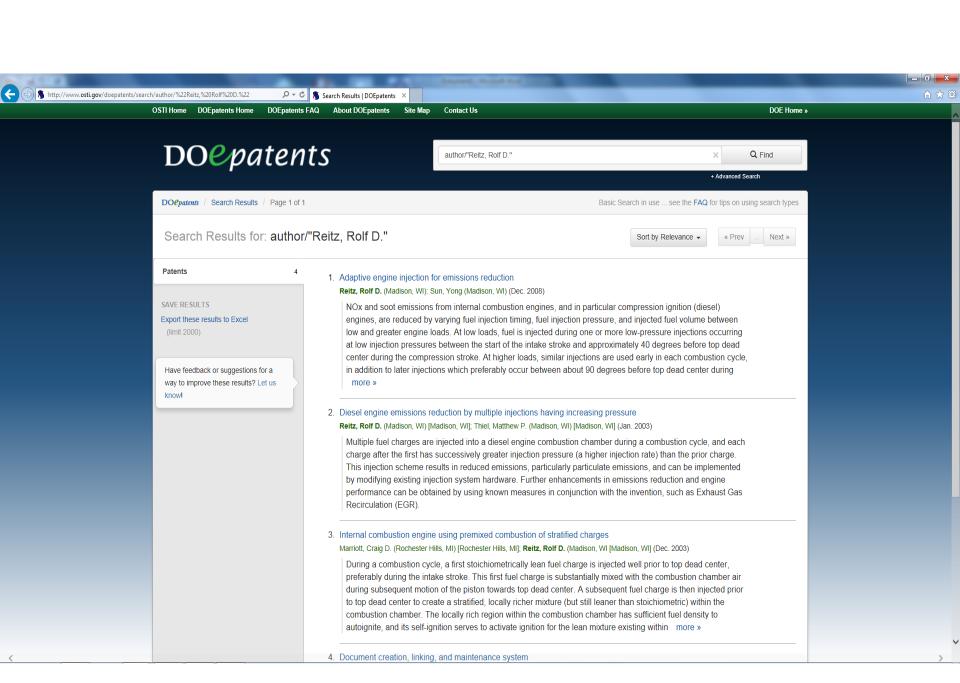


















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United States Patent [19]

Voelz

[11] Patent Number: 4,940,059

[45] Date of Patent:

[54] POLYGRAPH WITH IMPROVED CARDIAC MONITORING

[75] Inventor: Michael H. Voelz, Battle Ground,

[73] Assignee: Lafayette Instrument Co., Inc., Lafayette, Ind.

[21] Appl. No.: 170,743

Mar. 21, 1988 [22] Filed:

... A61N 1/00 ... 128/688; 128/900; 128/695 [58] Field of Search 128/695, 687, 688, 731,

128/734, 900, 682, 683

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Primary Examiner-Francis Jaworski Assistant Examiner-George Manuel Attorney, Agent, or Firm-Andrus, Sceales, Starke & Sawall

ABSTRACT

A polygraph for detecting and displaying the beat by beat changes in the relative rate of increase of the blood pressure of the heart. Electronic circuitry for measuring the derivative of the blood pressure pulse, and displaying it on either a separate channel or by adding it to the top of the blood pressure pulse waveform from which it was derived is disclosed.

10 Claims, 12 Drawing Sheets

