

16 Documents

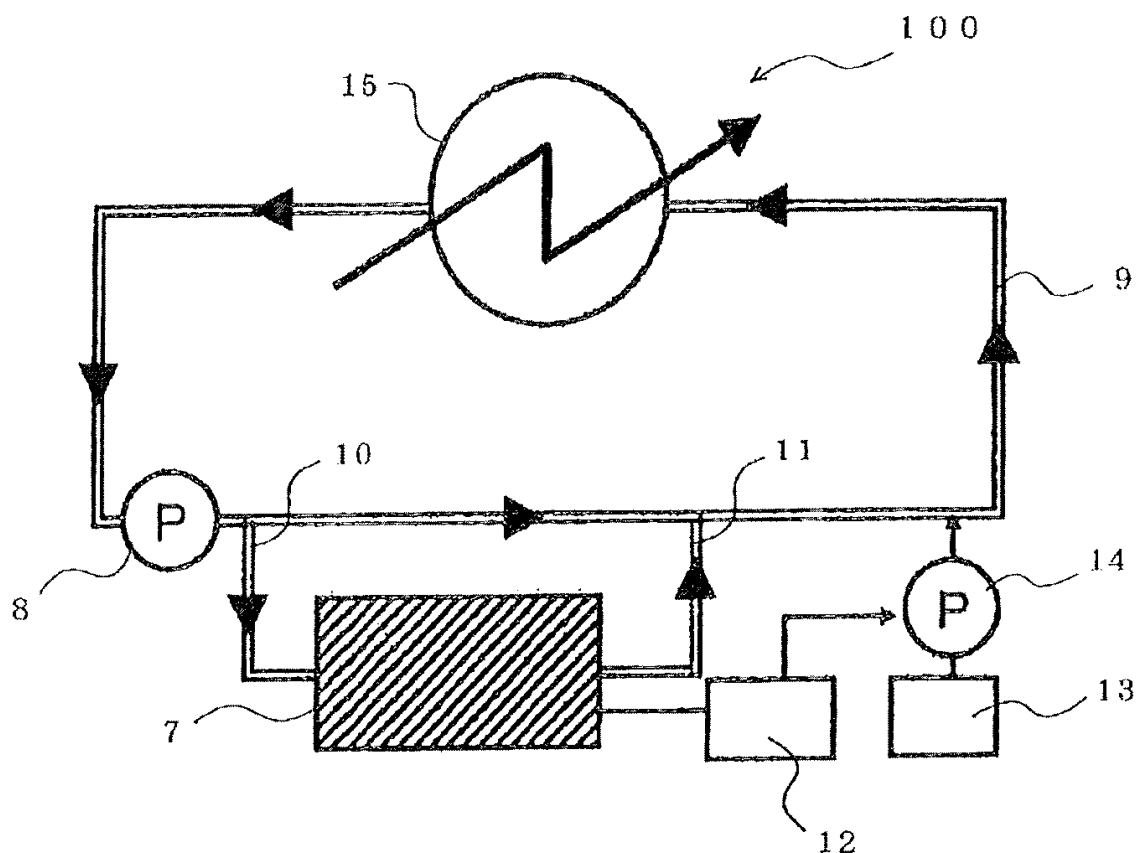
Publication numbers	Title	Current assignees
WO201365207 A1	Corrosion prevention performance degradation detection sensor, hot-water supply heating system, and equipment	MITSUBISHI ELECTRIC
KR20070043679 A	Plasma reactor with a multiple zone thermal control feed forward control apparatus	BE AEROSPACE
WO200151122 A1	Percutaneous electrode array	BIOWAVE
US20040051666 A1	Low cost antennas using conductive plastics or conductive composites	INTEGRAL TECHNOLOGIES
US20100183993 A1	Shaping a fuel charge in a combustion chamber with multiple drivers and/or ionization control	MCALISTER TECHNOLOGIES, ...
CN1576740 A	Constituting method and equipment for overall cooling and heating installation	LAI YONG
CN104618027 A	Novel 1W high-power LED infrared ray transmitting tube dedicated for long-distance monitoring	SHANGHAI LEIPAN ELECTRONIC TECHNOLOGY
JP2001093572 A	Non-aqueous electrolyte secondary battery, and electric vehicle, hybrid vehicle and power storage system using same	HITACHI
WO201512914 A2	Nano- and micro-electromechanical resonators	NORTHEASTERN UNIVERSITY
WO2015185723 A1	Electrical energy storage element, method and apparatus for producing said electrical energy storage element	THYSSENKRUPP SYSTEM ENGINEERING, ...
BR200401110 A1	Device for supporting and heating of tools	BOBST
CN1566863 A	Method for making ferroelectric thin / thick film micro electromechanical refrigerator, its arrangement and refrigerator system	INSTITUTE OF ELECTRICAL ENGINEERING CHINESE ACADEMY OF SCIENCES
JP2001208335 A	Liquid fuel combustion device	SHARP
WO201416393 A1	Energy storage device	INVENOX
WO2007103832 A2	Fuel-powered actuators and methods of using same	UNIVERSITY OF TEXAS
WO2010134930 A1	Food steamer containers with sequential ohmic water heating	IDEAS WELL DONE

Family 1/16 - FAMPAT - ©Questel

Title

(EP2775297)

Corrosion prevention performance degradation detection sensor, hot-water supply heating system, and equipment

Images**Publication data including kind & date**

WO2013065207	A1	2013-05-10	WO2013065207
CN103917863	A	2014-07-09	CN103917863
EP2775297	A1	2014-09-10	EP2775297
US2014326340	A1	2014-11-06	US20140326340
JPWO2013065207	A1	2015-04-02	JP2013065207W
EP2775297	A4	2015-06-17	EP2775297
JP5818907	B2	2015-11-18	JP5818907
CN103917863	B	2016-04-27	CN103917863B
US9677992	B2	2017-06-13	US9677992
EP2775297	B1	2017-12-20	EP2775297

**Abstract**

(EP2775297)

A corrosion protection performance degradation detection sensor (7) detects a change in concentration of a corrosion inhibitor, which inhibits corrosion of a corrosion protection object material, added and contained in a solvent. The corrosion protection performance degradation detection sensor (7) includes a detection **electrode** (1) that reacts with the corrosion inhibitor dissolved in the solvent and forms on a surface thereof an **electrode** surface film which inhibits corrosion, a counter **electrode** (2) that is disposed so as to face the detection **electrode** (1) with a predetermined distance therebetween, and an AC power supply (3) that applies an AC voltage with a predetermined frequency and a predetermined voltage between the detection **electrode** (1) and the counter **electrode** (2). A change in concentration of the corrosion inhibitor in the solvent is detected, on the basis of a change in impedance of the **electrode** surface film formed on the surface of the detection **electrode** (1) at the time when the AC voltage with the predetermined frequency and the predetermined voltage is applied

between the detection **electrode** 1 and the counter **electrode** (2).

Inventors

KURIKI HIRONORI

MORIMURA HIDEYUKI

MIYA KAZUHIRO

FURUKAWA SEIJI

Latest standardized assignees - inventors removed

MITSUBISHI ELECTRIC

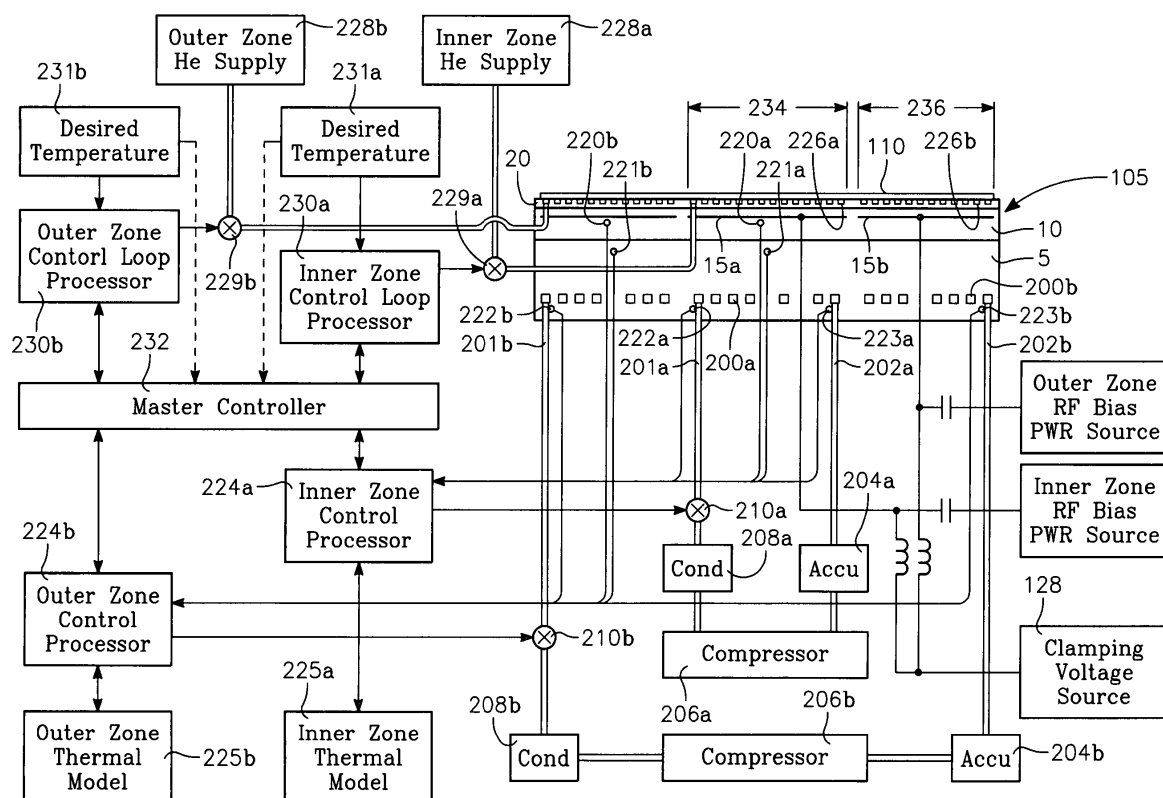
Family 2/16 - FAMPAT - ©Questel

Title

(US8980044)

Plasma reactor with a multiple zone thermal control feed forward control apparatus

Images



Publication data including kind & date

KR20070043679	A	2007-04-25	KR20070043679
KR20070043678	A	2007-04-25	KR20070043678
US2007091541	A1	2007-04-26	US2007091541
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US8980044	B2	2015-03-17	US8980044				
CN101582375	B	2015-06-24	CN101582375B				

Abstract

(US8980044)

A plasma reactor having a reactor chamber and an electrostatic chuck having a surface for holding a workpiece inside the chamber includes inner and outer zone backside gas pressure sources coupled to the electrostatic chuck for applying a thermally conductive gas under respective pressures to respective inner and outer zones of a workpiece-surface interface formed whenever a workpiece is held on the surface, and inner and outer evaporators inside respective inner and outer zones of the electrostatic chuck and a refrigeration loop having respective inner and outer expansion valves for controlling flow of coolant through the inner and outer evaporators respectively. The reactor further includes inner and outer zone temperature sensors in inner and outer zones of the electrostatic chuck and a thermal model capable of simulating heat transfer through the inner and outer zones, respectively, between the evaporator and the surface based upon measurements from the inner and outer temperature sensors, respectively. Inner and outer zone agile control processors coupled to the thermal model govern the inner and outer zone backside gas pressure sources, respectively, in response to predictions from the model of changes in the respective pressures that would bring the temperatures measured by the inner and outer zone sensors, respectively, closer to a desired temperature.

Inventors

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BURNS DOUGLAS H

BERA KALLOL

HOFFMAN DANIEL J

COWANS KENNETH W

COWANS WILLIAM W

ZUBILLAGA GLENN W

MILLAN ISAAC

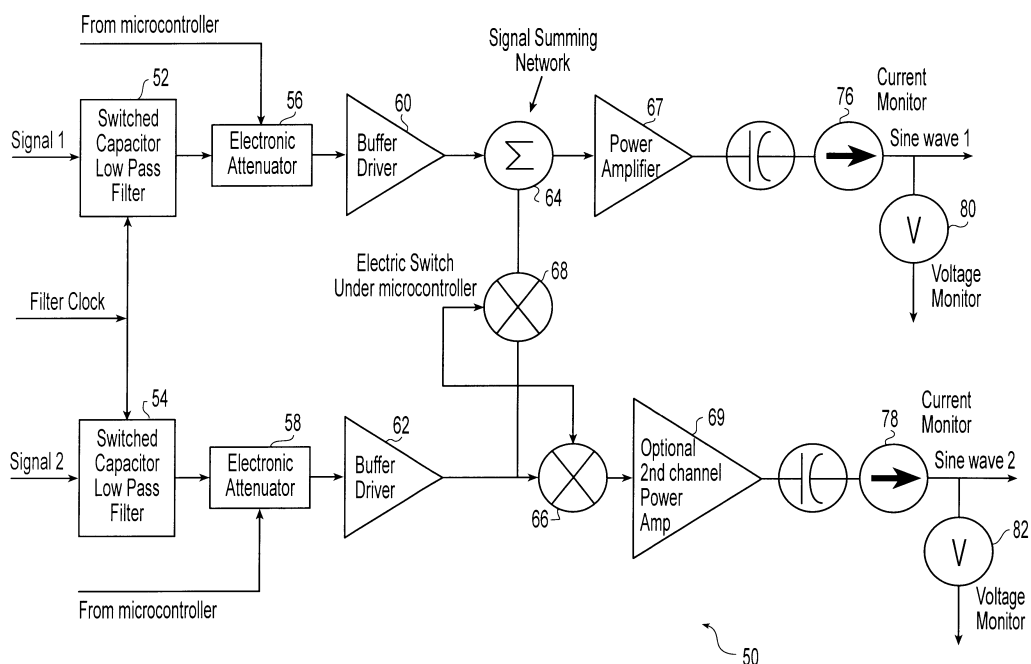
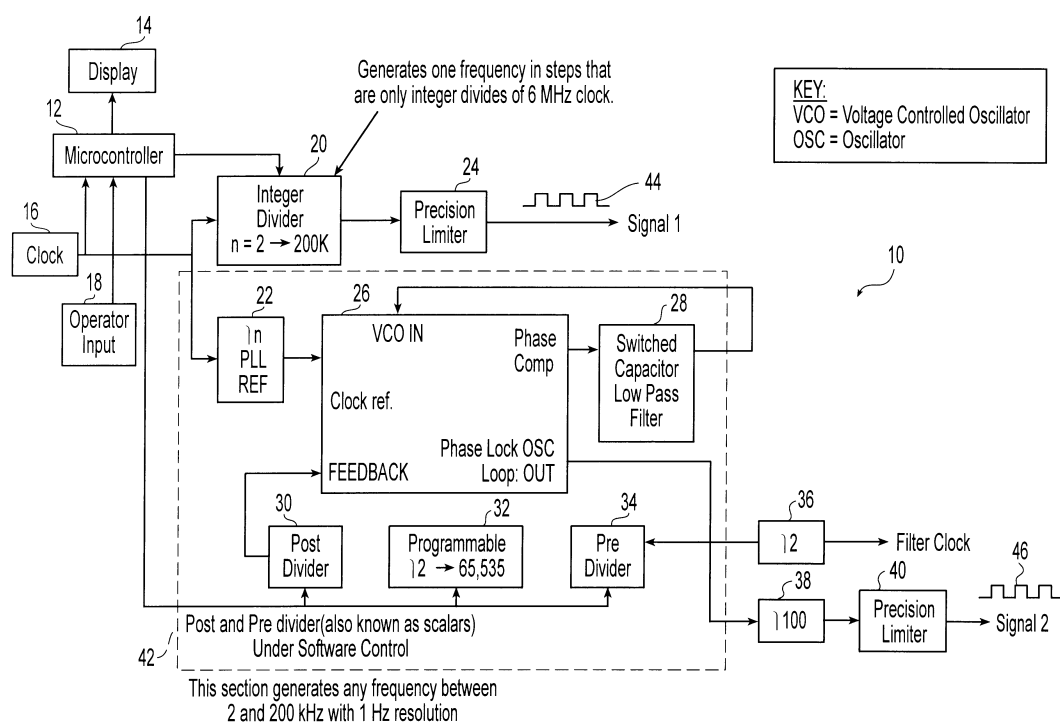
Latest standardized assignees - inventors removed

BE AEROSPACE

Family 3/16 - FAMPAT - ©Questel

Title

(EP1633430)

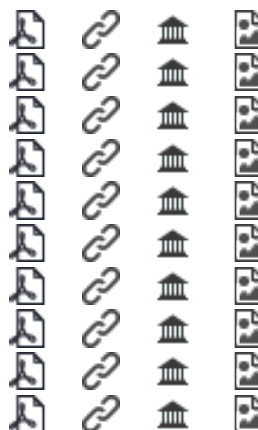
Percutaneous **electrode** array**Images**

Publication data including kind & date

WO200151122	A1	2001-07-19	WO200151122
CA2396334	A1	2001-07-19	CA2396334
AU2772701	A	2001-07-24	AU200127727
US2001031999	A1	2001-10-18	US20010031999
NO20023264	D0	2002-07-05	NO200203264
WO200151122	A9	2002-08-15	WO200151122
NO20023264	A	2002-09-03	NO200203264
KR20020074471	A	2002-09-30	KR20020074471
EP1246665	A1	2002-10-09	EP1246665
US6584358	B2	2003-06-24	US6584358
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CN1846806	A	2006-10-18	CN1846806
US7130696	B2	2006-10-31	US7130696
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JP2007516010	A	2007-06-21	JP2007516010



KR100734212	B1	2007-07-02	KR100734212
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IN0104/CHENP/2006	A	2007-08-31	IN2006CN00104
US2008033492	A1	2008-02-07	US20080033492
WO2008030656	A2	2008-03-13	WO200830656
NZ544603	A	2008-03-28	NZ-544603
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IN222365	B	2008-11-21	IN-222365
IN229112	B	2009-03-20	IN-229112
EP1633430	A4	2010-02-17	EP1633430



Abstract

(EP1633430)

A percutaneous **electrode** array (100, 300) is disclosed for applying therapeutic electrical energy to a treatment site in the body of a patient. The array comprises a plurality of **electrode** (120, 320) microstructures which are inserted into the epidermis, thereby overcoming the inherent electrical impedance of the outer skin layers and obviating the need to prepare the skin surface prior to an electro-therapy treatment. The array (100, 300) preferably includes an adhesion (330) layer to help keep the **electrode** (120, 320) microstructures inserted into the epidermis during the duration of the therapeutic treatment, and temperature and condition monitoring devices to ensure proper treatment and enhance patient safety.

Inventors

CARTER JOHN

SIFF BRADFORD

Latest standardized assignees - inventors removed

BIOWAVE

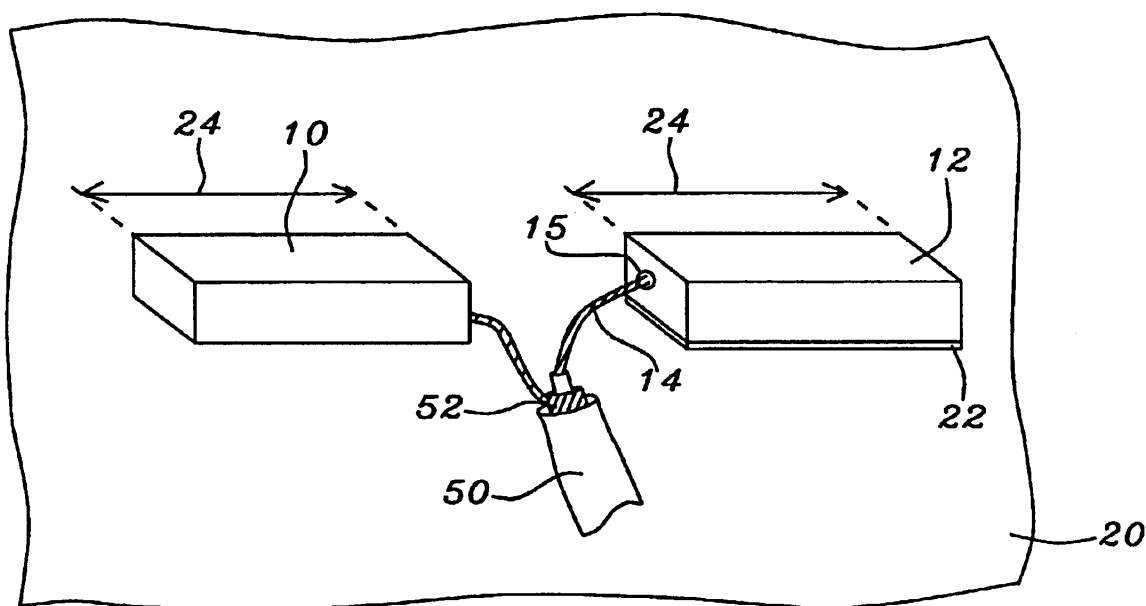
Family 4/16 - FAMPAT - ©Questel

Title

(EP1427055)

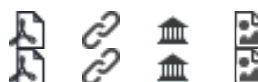
Low cost antennas using conductive plastics or conductive composites

Images



Publication data including kind & date

US2004051666 A1 2004-03-18 US20040051666



CA2452284	A1	2004-06-04	CA2452284				
EP1427055	A1	2004-06-09	EP1427055				
KR20040048848	A	2004-06-10	KR20040048848				
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Abstract

(EP1427055)

Low cost antennas formed of a conductive loaded resin-based material. The conductive loaded resin-based material comprises conductor fibers or conductor particles in a resin or plastic host wherein the ratio of the weight of the conductor fibers or conductor particles to the weight of the resin or plastic host is between about 0.20 and 0.40. The conductive fibers can be stainless steel, nickel, copper, silver, or the like. The antenna elements can be formed using methods such as injection molding or extrusion. Virtually any antenna fabricated by conventional means such as wire, strip-line, printed circuit boards, or the like can be fabricated using the conductive loaded resin-based materials. The conductive loaded resin-based material used to form the antenna elements can be in the form of a thin flexible woven fabric which can readily cut to the desired shape. <IMAGE>

Inventors

AISENBREY THOMAS

Latest standardized assignees - inventors removed

INTEGRAL TECHNOLOGIES

Family 5/16 - FAMPAT - ©Questel

Title

(EP2927475)

Shaping a fuel charge in a combustion chamber with multiple drivers and/or ionization control

Images

CA2772044	A1	2011-03-10	CA2772044				
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IN1763/CHENP/2012	A	2012-11-02	IN2012CN01763				
IN1762/CHENP/2012	A	2012-11-02	IN2012CN01762				
EP2470485	A4	2012-12-26	EP2470485				
JP2013503445	A	2013-01-31	JP2013503445				
JP2013503297	A	2013-01-31	JP2013503297				
JP2013503295	A	2013-01-31	JP2013503295				
JP2013503294	A	2013-01-31	JP2013503294				
US2013043323	A1	2013-02-21	US20130043323				
JP2013506072	A	2013-02-21	JP2013506072				
EP2470770	A4	2013-02-27	EP2470770				
CA2772044	C	2013-04-16	CA2772044				
EP2470773	A4	2013-05-22	EP2470773				
EP2470764	A4	2013-05-22	EP2470764				
EP2470775	A4	2013-09-04	EP2470775				

RU2012111672	A	2013-10-10	RU2012111672				
RU2012111670	A	2013-10-10	RU2012111670				
EP2470768	A4	2013-11-13	EP2470768				
RU2500652	C1	2013-12-10	RU2500652				
CA2772043	C	2014-01-07	CA2772043				
US8635985	B2	2014-01-28	US8635985				
JP5563660	B2	2014-07-30	JP5563660				
US8851046	B2	2014-10-07	US8851046				
JP2014193805	A	2014-10-09	JP2014193805				
US2014345563	A1	2014-11-27	US20140345563				
CN102712540	B	2014-12-17	CN102712540B				
EP2470770	B1	2015-02-18	EP2470770				
CN102713236	B	2015-03-11	CN102713236B				
JP5684810	B2	2015-03-18	JP5684810				
JP5695050	B2	2015-04-01	JP5695050				
JP2015078699	A	2015-04-23	JP2015078699				
EP2470775	B1	2015-04-29	EP2470775				
EP2470773	B1	2015-04-29	EP2470773				
JP5718921	B2	2015-05-13	JP5718921				
JP5734294	B2	2015-06-17	JP5734294				
CN104728001	A	2015-06-24	CN104728001				
RU2556152	C2	2015-07-10	RU2556152				
CN102713217	B	2015-07-22	CN102713217B				
JP2015135116	A	2015-07-27	JP2015135116				
CN102713243	B	2015-09-16	CN102713243B				
EP2921691	A1	2015-09-23	EP2921691				
EP2924148	A1	2015-09-30	EP2924148				
EP2927475	A1	2015-10-07	EP2927475				
JP5833165	B2	2015-12-16	JP5833165				
EP2470774	A4	2015-12-16	EP2470774				
EP2470764	B1	2015-12-16	EP2470764				
CN102713242	B	2016-01-20	CN102713242B				
BR112012004067	A2	2016-03-08	BR112012004067				
JP5901806	B2	2016-04-13	JP5901806				
CA2771996	C	2016-04-26	CA2771996				
US9581116	B2	2017-02-28	US9581116				
BR112012004092	A2	2018-05-22	BR112012004092				

Abstract

(EP2927475)

The present disclosure is directed to injectors with integrated igniters providing efficient injection, ignition, and complete combustion of various types of fuels. These integrated injectors/igniters can include, for example, multiple drivers (124, 130, 140, 224) used to shape charges and controllers (126) used to modify operations based on ionization parameters.

Inventors

MCALISTER ROY E

Latest standardized assignees - inventors removed

MCALISTER TECHNOLOGIES

ADVANCED GREEN INNOVATIONS

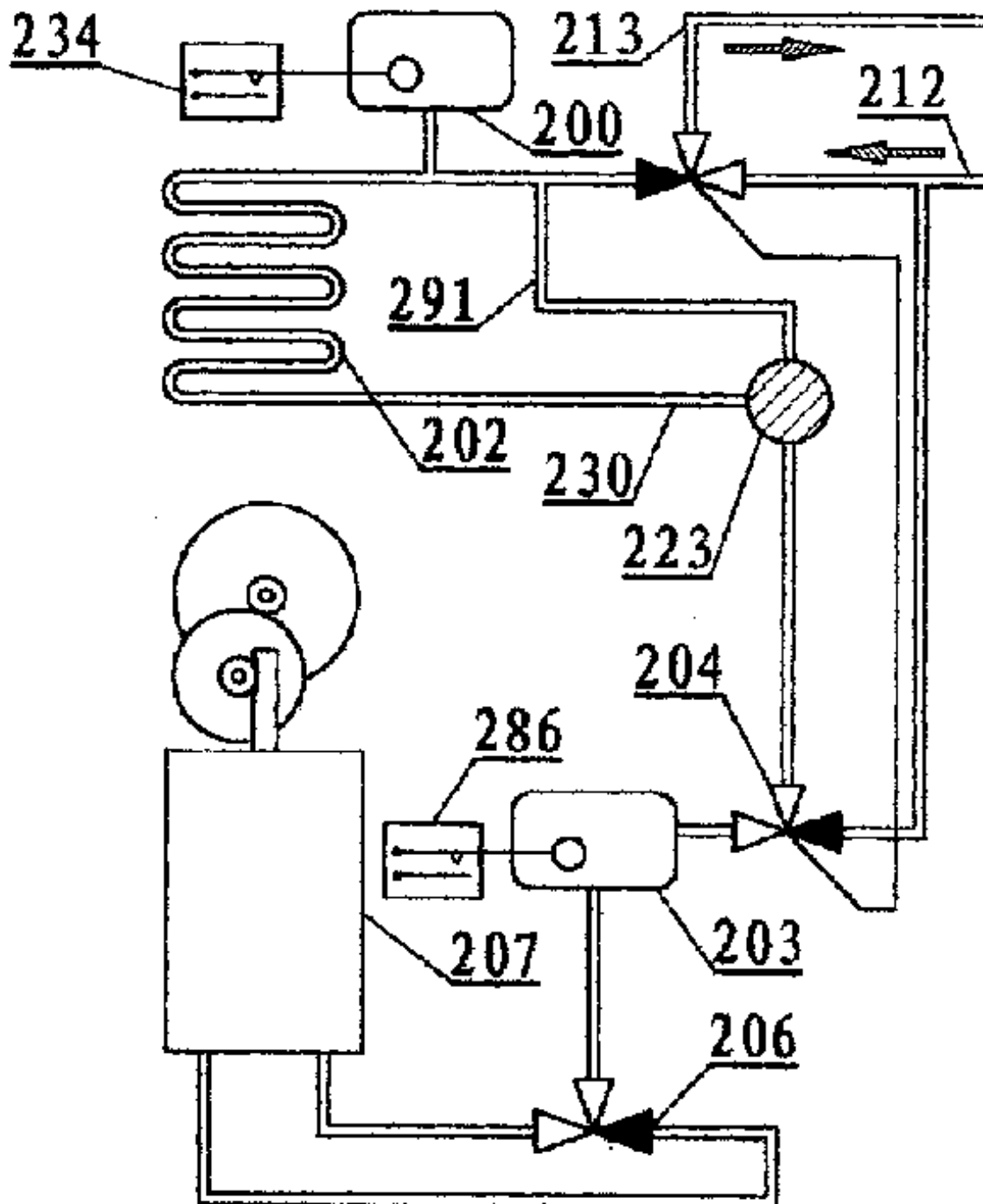
Family 6/16 - FAMPAT - ©Questel

Title

(CN1576740)

Constituting method and equipment for overall cooling and heating installation

Images



Publication data including kind & date

CN1576740

A 2005-02-09 CN1576740



Abstract

(CN1576740)

The present invention is one comprehensive facility with functions of refrigerating, heating, temperature regulating, cold and heat metering, etc. The present invention relates to heat extracting utilization, cold source constitution, and refrigerator utilizing cold source; solves the heat load problem of cooling air conditioner and refrigerator; reaches the reasonable cold and heat metering for concentrated supply mode; eliminates the self-control breaking point of heating and cooling

equipment; and utilizes solar energy and other energy sources.

Inventors

LAI YONG

Family 7/16 - FAMPAT - ©Questel

Title

(CN104618027)

Novel 1W high-power LED infrared ray transmitting tube dedicated for long-distance monitoring

Publication data including kind & date

[CN104618027](#) A 2015-05-13 CN104618027

**Abstract**

(CN104618027)

A novel 1W high-power LED infrared ray transmitting tube dedicated for long-distance monitoring is provided. The core portion thereof is also a PN junction. Compared with a general-purpose diode, the differences in structure lie in: in order to facilitate to receiving incident light illumination, the area of the PN junction is made as large as possible with the area of an **electrode** being as small as possible; a junction depth of the PN junction is shallow, normally, less than 1 mm; a photosensitive diode works under an influence of an inverse voltage; an inverse current is small without the light illumination (generally less than 0.1 microampere), which is referred to as a dark current; when the light illuminates, photons carrying energy enter the PN junction, then the energy is passed to bound electrons on a covalent bond, so that parts of the electrons get rid of the covalent bond, thereby generating electron-hole pairs, which are referred to as photon-generated carriers; they participate in a drift motion under the influence of the reverse voltage, so that the reverse current obviously increases; the greater the strength of the light, the greater the reverse current; such characteristic is called "photoconduction"; the current generated by the photosensitive diode under light ray of common illumination is called a light current; and if a load is connected to an external circuit, an electric signal is obtained in the load, and the electric signal correspondingly changes with the change of the light.

Inventors

ZHOU XIAOLEI

Latest standardized assignees - inventors removed

SHANGHAI LEIPAN ELECTRONIC TECHNOLOGY

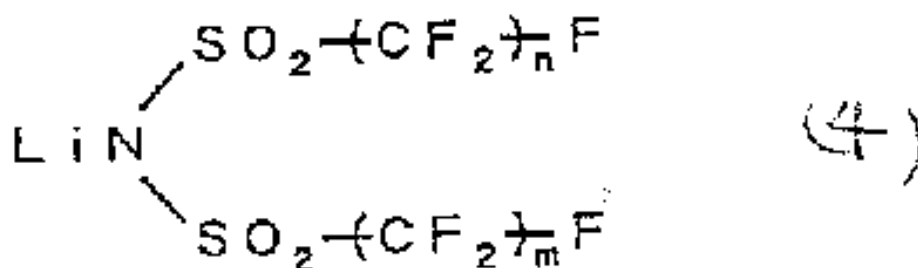
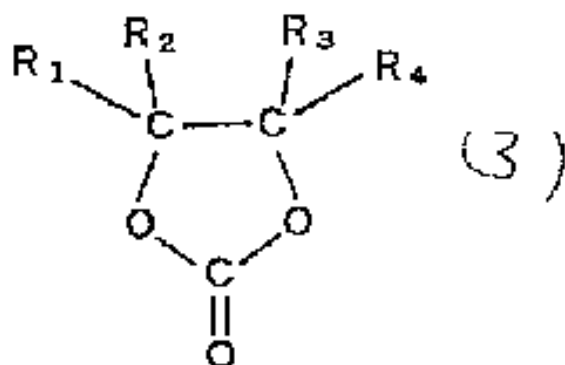
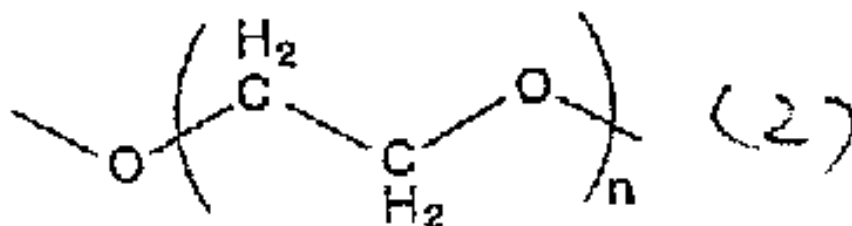
Family 8/16 - FAMPAT - ©Questel

Title

(JP2001093572)

Non-aqueous electrolyte secondary battery, and electric vehicle, hybrid vehicle and power storage system using same

Images

**Publication data including kind & date**

JP2001093572

A

2001-04-06

JP2001093572

**Abstract**

(JP2001093572)

PROBLEM TO BE SOLVED: To provide a non-aqueous electrolyte secondary battery having improved stability and battery characteristics, and hybrid vehicle and power storage system using same. **SOLUTION:** The secondary battery includes a positive and a negative electrodes utilizing a material capable of electrochemically absorbing, storing and discharging lithium ions, a metal lithium or a lithium alloy. The non-aqueous solvent contains hydrofluoroether represented by the formula (1), wherein R is an alkyl group, n is 1 to 10, m is 2n+1, and H/F=2/3, chain ether represented by the formula (2), wherein n is 1 to 10, and cyclic carbonate represented by the formula (3), wherein R3 and R4 are bonded to each other, or

R1 to R4 are independently selected from the group consisting of hydrogen, halogen, alkyl, or halogenated alkyl group. Also, the electrolyte contains an organic lithium salt represented by the formula 4, wherein n and m are 1 to 5.

Inventors

KATAYAMA HIDEAKI

ARAI JUICHI

Latest standardized assignees - inventors removed

HITACHI

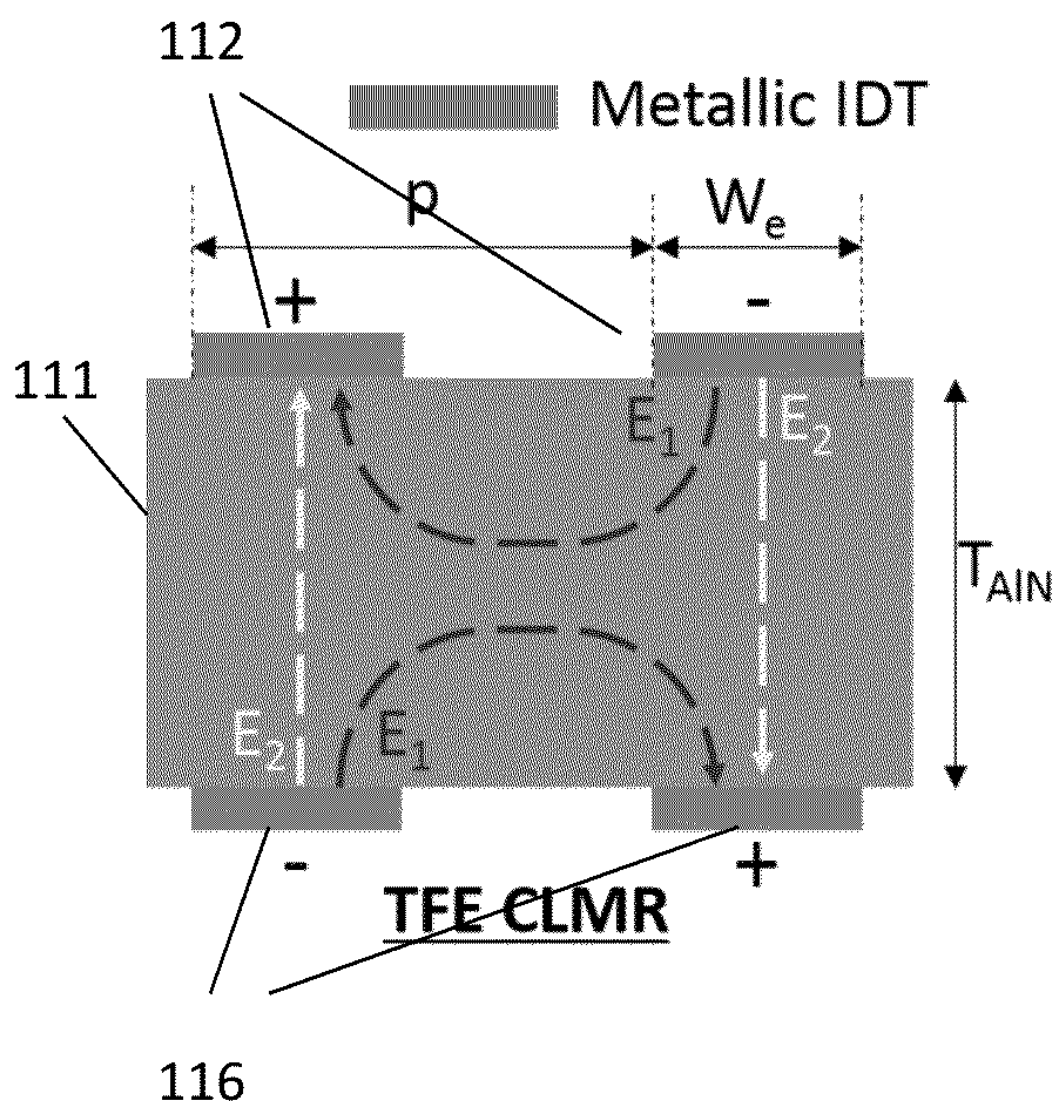
Family 9/16 - FAMPAT - ©Questel

Title

(WO201512914)

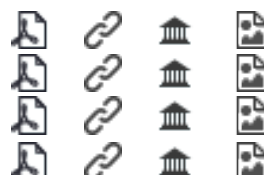
Nano- and micro-electromechanical resonators

Images



Publication data including kind & date

WO2015012914	A2	2015-01-29	WO201512914
WO2015012914	A3	2015-04-02	WO201512914
US2016065169	A1	2016-03-03	US20160065169
US2016099701	A1	2016-04-07	US20160099701



US9419583	B2	2016-08-16	US9419583				
US9425765	B2	2016-08-23	US9425765				
US2017163240	A1	2017-06-08	US20170163240				
US9705469	B2	2017-07-11	US9705469				
US2017331450	A1	2017-11-16	US20170331450				
US9954512	B2	2018-04-24	US9954512				

Abstract

(WO201512914)

A resonator including a piezoelectric plate and an interdigital **electrode** is provided. A ratio between a thickness of the plate and a pitch of the interdigital **electrode** may be from about 0.5 to about 1.5. A radiation detector including a resonator and an absorber layer capable of absorbing at least one of infrared and terahertz radiation is provided. A resonator including a piezoelectric plate and a two-dimensional electrically conductive material is provided.

Inventors

RINALDI MATTEO

QIAN ZHENYUN

HUI YU

Latest standardized assignees - inventors removed

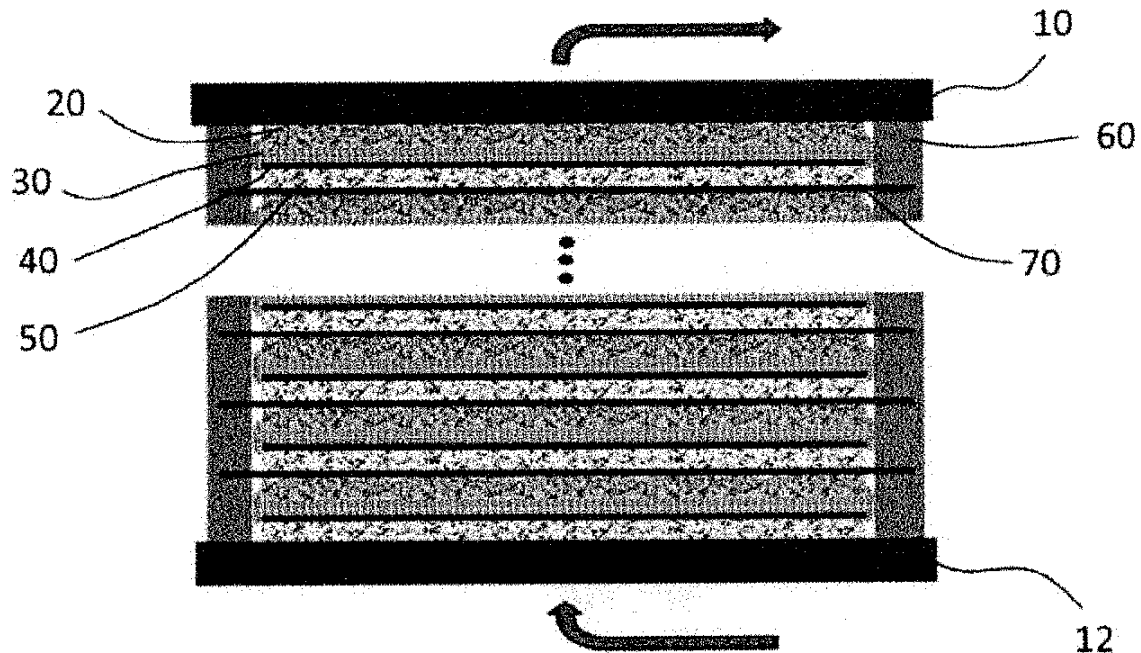
NORTHEASTERN UNIVERSITY

Family 10/16 - FAMPAT - ©Questel

Title

(EP3152796)

Electrical energy storage element, method and apparatus for producing said electrical energy storage element

Images**Publication data including kind & date**

WO2015185723	A1	2015-12-10	WO2015185723				
DE102014210803	A1	2015-12-17	DE102014210803				
KR20170015322	A	2017-02-08	KR20170015322				
CN106471666	A	2017-03-01	CN106471666				
EP3152796	A1	2017-04-12	EP3152796				
JP2017521822	A	2017-08-03	JP2017521822				
US2018034107	A1	2018-02-01	US20180034107				

Abstract

(EP3152796)

In the electrical energy storage element according to the invention, a plurality of electrochemical cells, which are each formed with a cathode and an anode as electrodes and with an electrolyte, are arranged in a manner stacked one above the other. On one side, said electrochemical cells are surrounded by a cover plate which is formed from an electrically conductive material, in particular aluminium, and on the opposite side are surrounded by a base plate which is formed from an electrically conductive material, in particular aluminium. The base plate is coated with a cathode or an anode, and the cover plate is coated in a complementary manner with an anode or cathode. The anodes and cathodes are each formed on opposite surfaces of an electrically conductive carrier foil or film which is preferably composed of aluminium, copper, steel or electrically conductive plastic. An outer circumferential edge which is free of **electrode** material is present on the carrier foil or film, said edge connecting adjacent electrochemical cells to one another by means of a sealing and adhesive means such that they are hermetically sealed off from one another and from the surrounding area. The anodes are formed from a lithium titanate (LTO) having a spinel structure, and the high-voltage cathodes are formed from a lithium nickel manganate (LNMO) having a spinel structure or lithium phosphates (LP) in an olivine structure. A separator layer is in each case provided between the electrolyte and an **electrode** of an electrochemical cell in the case of a gel-like electrolyte, and no separator is provided in the case of a solid electrolyte.

Inventors

WOLTER MAREIKE

NIKOLOWSKI KRISTIAN

PARTSCH UWE

ROSCHER MICHAEL

ECHELMEYER THOMAS

TITTEL DANIEL

CLAUSS MICHAEL

Latest standardized assignees - inventors removed

THYSSENKRUPP SYSTEM ENGINEERING

THYSSENKRUPP

FRAUNHOFER

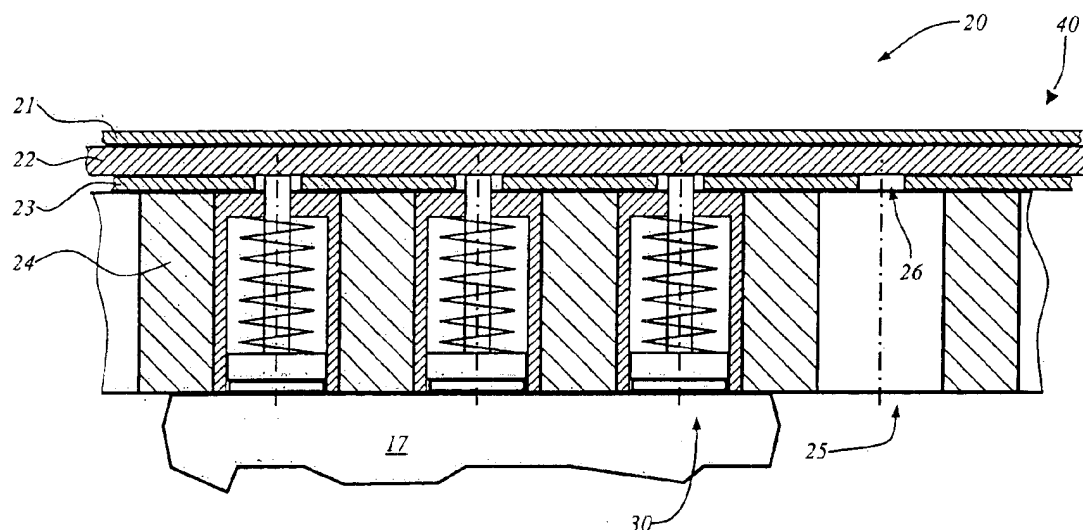
Family 11/16 - FAMPAT - ©Questel

Title

(EP1468828)

Device for supporting and heating of tools

Images



Publication data including kind & date

BRPI0401110	A1	2004-07-13	BR200401110
CA2463327	A1	2004-10-16	CA2463327
EP1468828	A2	2004-10-20	EP1468828
US2004206254	A1	2004-10-21	US20040206254
KR20040090729	A	2004-10-26	KR20040090729
CN1541855	A	2004-11-03	CN1541855
JP2004314175	A	2004-11-11	JP2004314175
BRPI0401110	A	2005-01-11	BR200401110
TW200508034	A	2005-03-01	TW200508034
US6892633	B2	2005-05-17	US6892633
KR100542779	B1	2006-01-20	KR100542779
TWI256342	B	2006-06-11	TWI256342
CN1332821	C	2007-08-22	CN1332821C
EP1468828	A3	2009-12-09	EP1468828
EP1468828	B1	2011-01-12	EP1468828
AT495012	T	2011-01-15	ATE495012
DE602004030969	D1	2011-02-24	DE602004030969
ES2357835	T3	2011-05-03	ES2357835
BRPI0401110	A2	2014-04-22	BR200401110



Abstract

(EP1468828)

The device (20) has a base plate (40) applied against one of the two faces of a honeycomb chassis (24) of a cutting and heat transferring machine. The plate is formed from insulating surfaces (21, 23) and a conducting surface (22), which are alternately placed. The plate supplies a heating unit (30) to be inserted in interior of openings (25) of the chassis, to heat a tool (17) fixed against another face of the chassis.

Inventors

BOTH FRANCOIS
PIGUET MICHEL

Latest standardized assignees - inventors removed

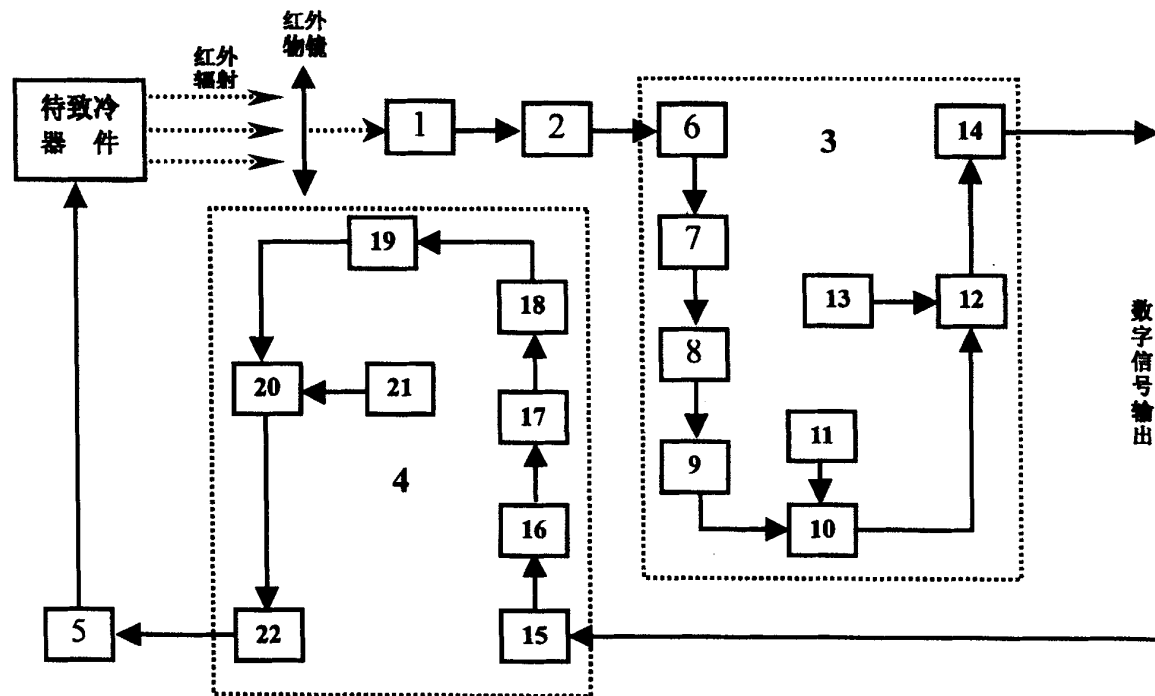
BOBST

Title

(CN100357675C)

Method for making ferroelectric thin / thick film micro electromechanical refrigerator, its arrangement and refrigerator system

Images



Publication data including kind & date

CN1566863

A	2005-01-19	CN1566863
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CN100357675

C 2007-12-26 CN100357675C



Abstract

(CN100357675C)

The invention relates to a preparation method for a ferroelectric thin/thick film micro electromechanical system (MEMS) refrigerator with novel structure and refrigeration approach and a micro refrigerator system. The preparation method includes preparation process for a PMN-PT and PST-PT relaxational epitaxial ferroelectric thin/thick film as a refrigeration fin and preparation process for a ferroelectric thin/thick film micro MEMS refrigerator array. The micro cooling system can attain high refrigeration efficiency, high heat conduction efficiency and high integration level.

Inventors

YANQIU LI

SHAOBO LIU

Latest standardized assignees - inventors removed

INSTITUTE OF ELECTRICAL ENGINEERING CHINESE ACADEMY OF SCIENCES

Family 13/16 - FAMPAT - ©Questel

Title

(EP1256762)

Liquid fuel combustion device

Images

<IMAGE>

Inventors

TSUDA TSUTOMU

YAMASAKI KAZUO

GOTOH AKEMI

KITAGAITO HIROSHI

SHIROUCHI TOYOKAZU

GOTO MASAHIKO

KUWAHARA YASUAKI

MORIKAWA MAMORU

Latest standardized assignees - inventors removed

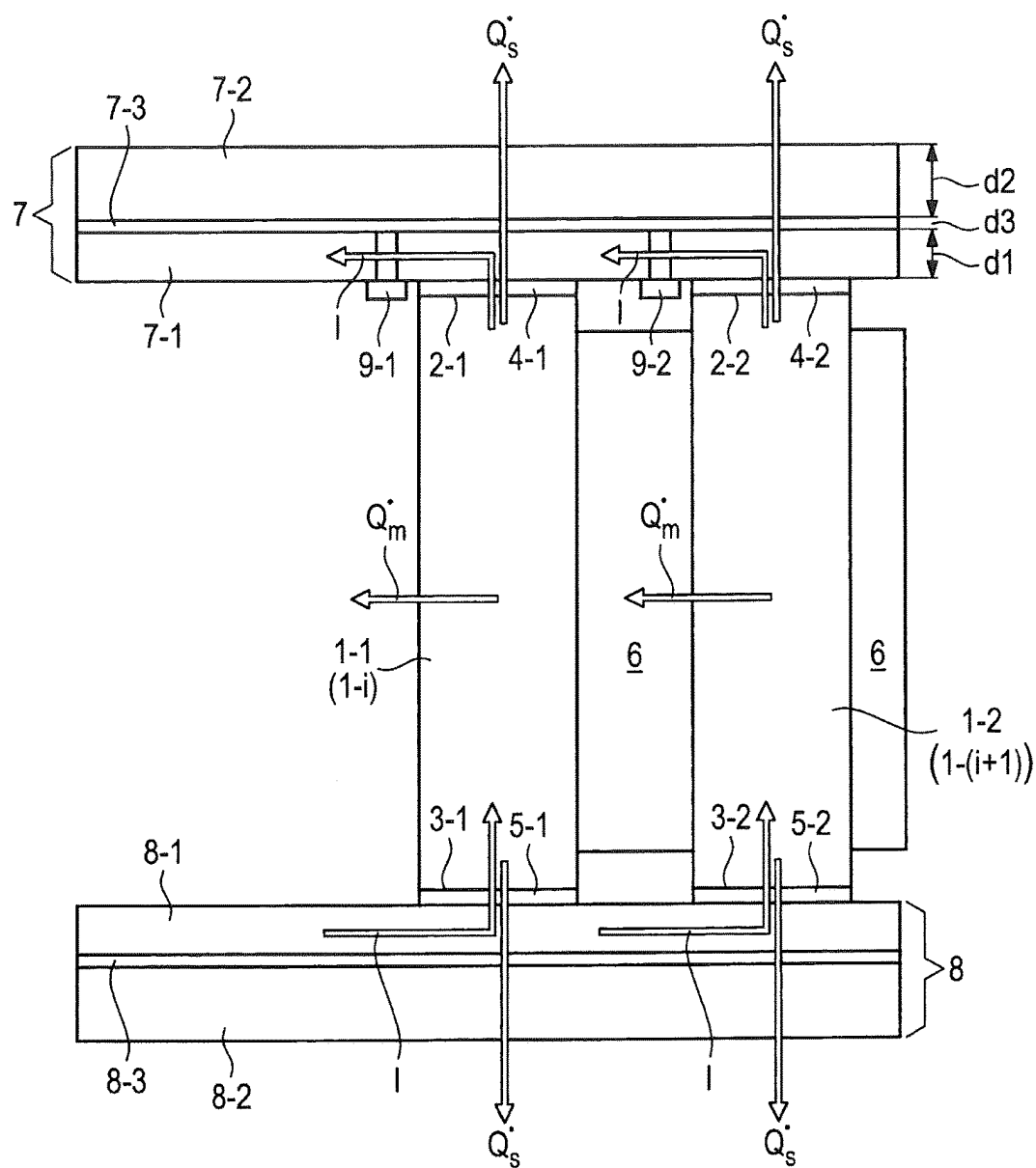
SHARP

Family 14/16 - FAMPAT - ©Questel

Title

(EP2878018)

Energy storage device

Images

Publication data including kind & date

WO2014016393	A1	2014-01-30	WO201416393				
DE102012213273	A1	2014-02-27	DE102012213273				
KR20150040990	A	2015-04-15	KR20150040990				
SG11201500402Y	A	2015-04-29	SG11201500402Y				
CN104603974	A	2015-05-06	CN104603974				
EP2878018	A1	2015-06-03	EP2878018				
US2015180098	A1	2015-06-25	US20150180098				
JP2015527708	A	2015-09-17	JP2015527708				
IN98MUN2015	A	2015-10-16	IN2015MN00098				
ZA201501269	B	2016-01-27	ZA201501269				
US9559394	B2	2017-01-31	US9559394				
BR112015001845	A1	2017-03-28	BR112015001845				
BR112015001845	A2	2017-08-22	BR112015001845				
JP6200954	B2	2017-09-20	JP6200954				
CN104603974	B	2017-10-27	CN104603974B				
EP2878018	B1	2017-11-15	EP2878018				
KR101811502	B1	2017-12-21	KR101811502				
DK2878018	T3	2018-02-12	DK2878018T				
PT2878018	T	2018-02-22	PT2878018T				
ES2659562	T3	2018-03-16	ES2659562				
PL2878018	T3	2018-04-30	PL2878018				

Abstract

(EP2878018)

The invention relates to a device for contacting electrical energy storage cells of an energy store, which electrical energy storage cells are each connected to a circuit board at the poles of the electrical energy storage cells by means of an electrically and thermally conductive contact element, which circuit board is provided in order to isolate an electric current obtained by the respective energy storage cell through the contact element from a heat flow obtained through the contact element.

Inventors

ECKL RICHARD

WALDER GEORG

STEFFAN MORITZ

HAMMER MARTIN R

BURDA PETER

Latest standardized assignees - inventors removed

INVENOX

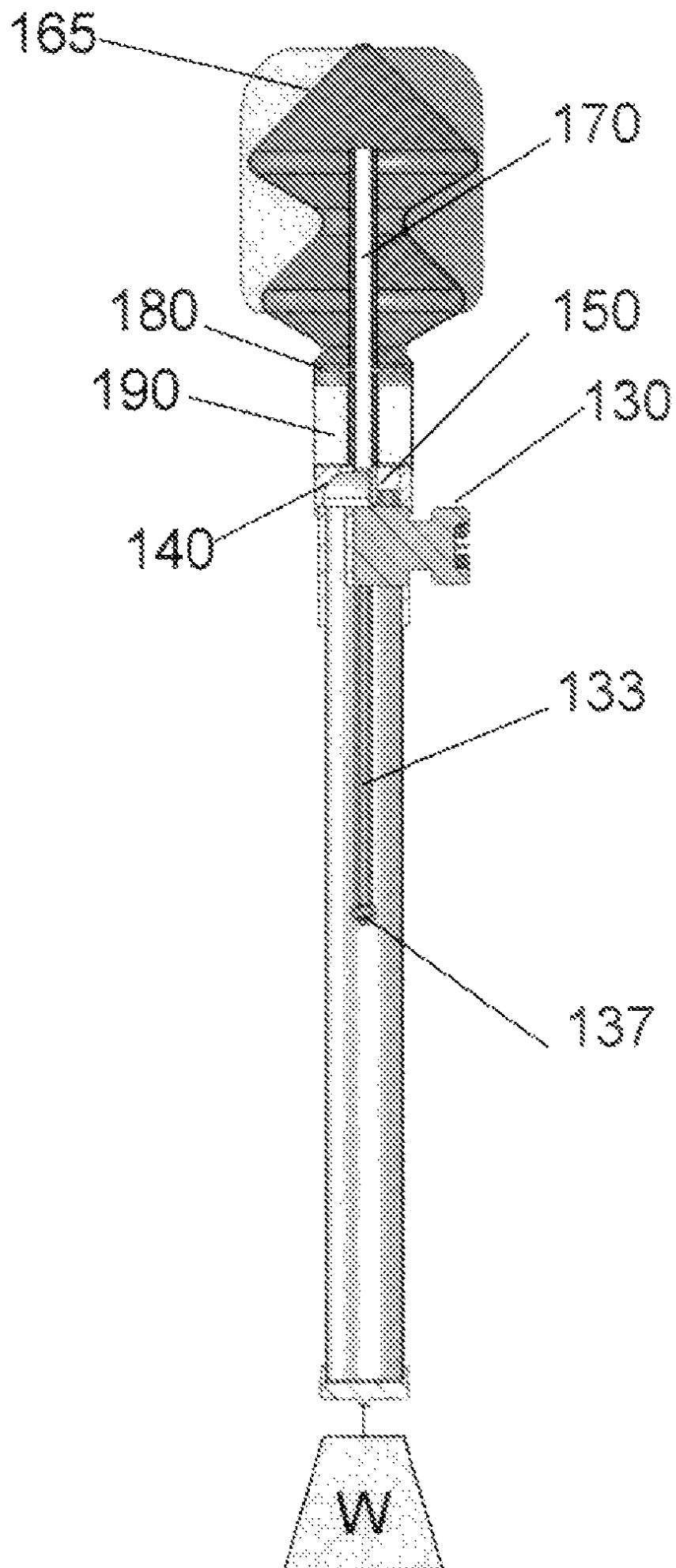
Family 15/16 - FAMPAT - ©Questel

Title

(WO2007103832)

Fuel-powered actuators and methods of using same

Images



Publication data including kind & date

WO2007103832	A2	2007-09-13	WO2007103832				
WO2007103832	A3	2008-11-06	WO2007103832				
US2009021106	A1	2009-01-22	US20090021106				
US8096119	B2	2012-01-17	US8096119				

Abstract

(WO2007103832)

Fuel-powered actuators are described wherein actuation is a consequence of electrochemical processes, chemical processes, or combinations thereof. These fuel-powered actuators include artificial muscles and actuators in which actuation is non-mechanical. The actuators range from large actuators to microscopic and nanoscale devices.

Inventors

BAUGHMAN RAY H

EBRON VON HOWARD

YANG ZHIWEI

SEYER DANIEL J

KOZLOV MIKHAIL

OH JIYOUNG

XIE HUI

RAZAL JOSELITO

FERRARIS JOHN P

MACDIARMID ALAN G

MACAULAY WILLIAM ALEXANDER

Latest standardized assignees - inventors removed

UNIVERSITY OF TEXAS

Family 16/16 - FAMPAT - ©Questel

Title

(EP2429351)

Food steamer containers with sequential ohmic water heating

Images

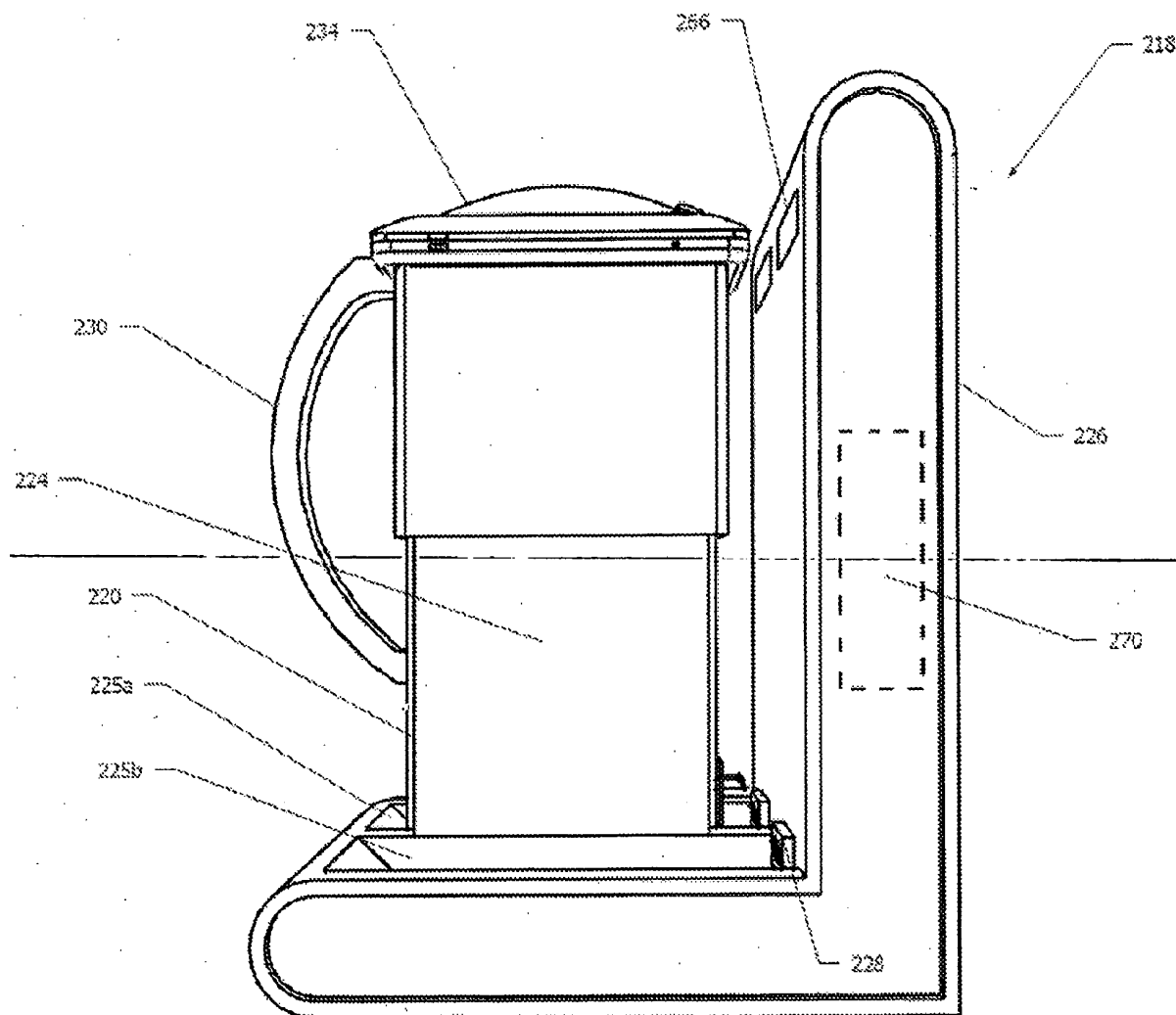


Fig. 1

Publication data including kind & date

WO2010134930	A1	2010-11-25	WO2010134930
CA2759322	A1	2010-11-25	CA2759322
EP2429351	A1	2012-03-21	EP2429351
CN102438487	A	2012-05-02	CN102438487
EP2429351	A4	2014-04-30	EP2429351
CN102438487	B	2015-09-09	CN102438487B
EP2429351	B1	2016-02-10	EP2429351
HK1170131	A1	2016-04-29	HK1170131
CA2759322	C	2017-01-17	CA2759322



Abstract

(EP2429351)

A liquid heating system includes an electric current controller, a first container, and a second container. The first container includes a first liquid and a first electric heating system. The second container includes a second liquid and a second electric heating system. The electric current controller is connected to the first electric heating system and to the second electric heating system. The electric current controller is configured to automatically alternate between providing electric current to the first electric heating system and to the second electric heating system such that when the electric current controller is providing the current to the first electric heating system the electric current controller provides no electric current to the second electric heating system and when the electric current controller is providing the current to the second electric heating system the electric current controller provides no electric current to the first electric heating system.

Inventors

COLBURN MICHAEL

BOGNER STEPHEN

MCCORMICK GAVIN

Latest standardized assignees - inventors removed

IDEAS WELL DONE