

25 Documents

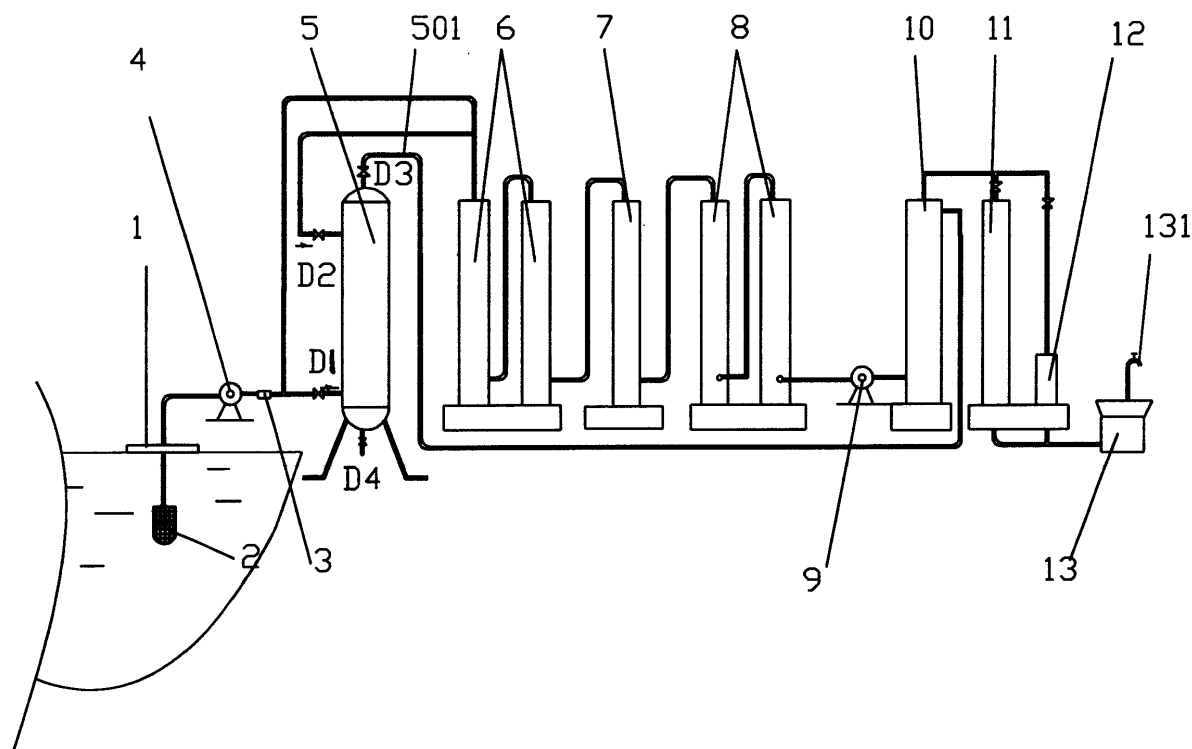
Publication numbers	Title	Current assignees
CN2818461U Y	Multifunctional field water purifier	HUANHAI JINGYUAN HIGH TECHNOLO
CA2547183 A1	Portable ozone generator and use thereof for purifying water	O3 WATER TECHNOLOGIES
DE10354297 A1	Water purification unit with fine pore filter removing suspended matter and impurities at least to size of bacteria, includes concentrate tank after filter	PROMINENT
US20120311926 A1	Plant air purification enclosure apparatus and method	MITTELMARK MICHAEL, ...
US5669221 A	Portable , potable water recovery and dispensing apparatus	WORLD WIDE WATER , ...
WO200356117 A1	Multifunctional tridimensional combined green building	ZHAO BING
CA2828602 A1	Plant air purification enclosure apparatus and method	MITTELMARK MARTIN
WO200575360 A1	Reduced water formed by a variety of particles and beads having magnetism, hot water eformer, generator, and machine for manufacturing health food slime	HIRAGA
WO200942406 A2	Ultraviolet water purification system	WATER OF LIFE
JP2008168123 A	Alkaline electron radiation device	MORI JUNJI, ...
US20160109289 A1	Method and apparatus for measuring ultraviolet light exposure	SAMSUNG ELECTRONICS
WO2011126118 A1	Spherical phosphor, sealing material for wavelength conversion solar battery, solar battery module and method for producing same	HITACHI CHEMICAL
JP09228022 A	Sound insulating wall and method for washing sound insulating wall	TOTO
FR2923731 A1	Method using solar energy, microwaves and plasmas for producing a liquid fuel and hydrogen from a biomass or fossil coal	NICOLAS UGOLIN
CN105444301 A	Purification air conditioner	CHANGZHOU ZHONGLI ENV PROT SCIENCE & TECHNOLOGY
JP2010034489 A	Film type solar cell and solar cell panel	MITSUBISHI CHEMICAL
US20140327247 A1	Multisource renewable energy generation	CALABRO DAVID
WO200557620 A2	Modular inflatable multifunction field-deployable apparatus and methods of manufacture	ESSIG JOHN RAYMOND JR, ...
US8808537 B1	Self-contained transportable water treatment system	LIVINGSTON EDDIE CARL
CA2930794 A1	Quintuple-effect generation multi-cycle hybrid renewable energy system with integrated energy provisioning, storage facilities and amalgamated control system	FRIESTH KEVIN, ...
US7481234 B1	Bio-hazzard attack family survival dome	BIODOME

Publication numbers	Title	Current assignees
JP2011155267 A	Ultra-light high-power generating artificial satellite	TARUNO KAZUO
US20030217967 A1	Water filter materials, corresponding water filters and processes for using the same	HELEN OF TROY
WO200781519 A2	Genius adaptive design	KAYS STEVEN
JP2016106294 A	Fully automatic robot household electric system appliance	HANNO KAZUO

Family 1/25 - FAMPAT - ©Questel

Title

(CN2818461U)

Multifunctional field **water purifier****Images****Publication data including kind & date**[CN2818461](#)

Y

2006-09-20

CN2818461U

**Abstract**

(CN2818461U)

The utility model relates to a multifunctional field **water purifier**, which comprises a field **water purifier** device, an electricity supplying device and a power utilization load. The utility model is characterized in that a pumping lifting pump of the field **water purifier** device is connected with a poison measuring device through a pipeline; the poison measuring device is respectively connected with an automation backwashing filter and an activated charcoal filter, wherein a **water** outlet of the automatic backwashing filter is communicated with a **water** inlet of the activated charcoal filter through an electromagnetic valve; the activated charcoal filter is orderly communicated with a precise filter, an ultra-filter, a high pressure pump, an RO membrane filter, an ultraviolet sterilizer, a medicinal sterilizer and an outlet mouth, wherein a backwashing **water** inlet of the automatic backwashing filter is communicated with the RO membrane filter through an electromagnetic valve. The utility model has the advantages of small size, light weight, complete functions, wide application ranges, etc., and is suitable for field work, dwelling, especially for field work of military affairs, disaster rescue, dwelling, etc.

Inventors

QI XIANGCHUN

SUN SHENGLI

ZHOU XINSHENG

GUOP RUI

Latest standardized assignees - inventors removed

HUANHAI JINGYUAN HIGH TECHNOLO

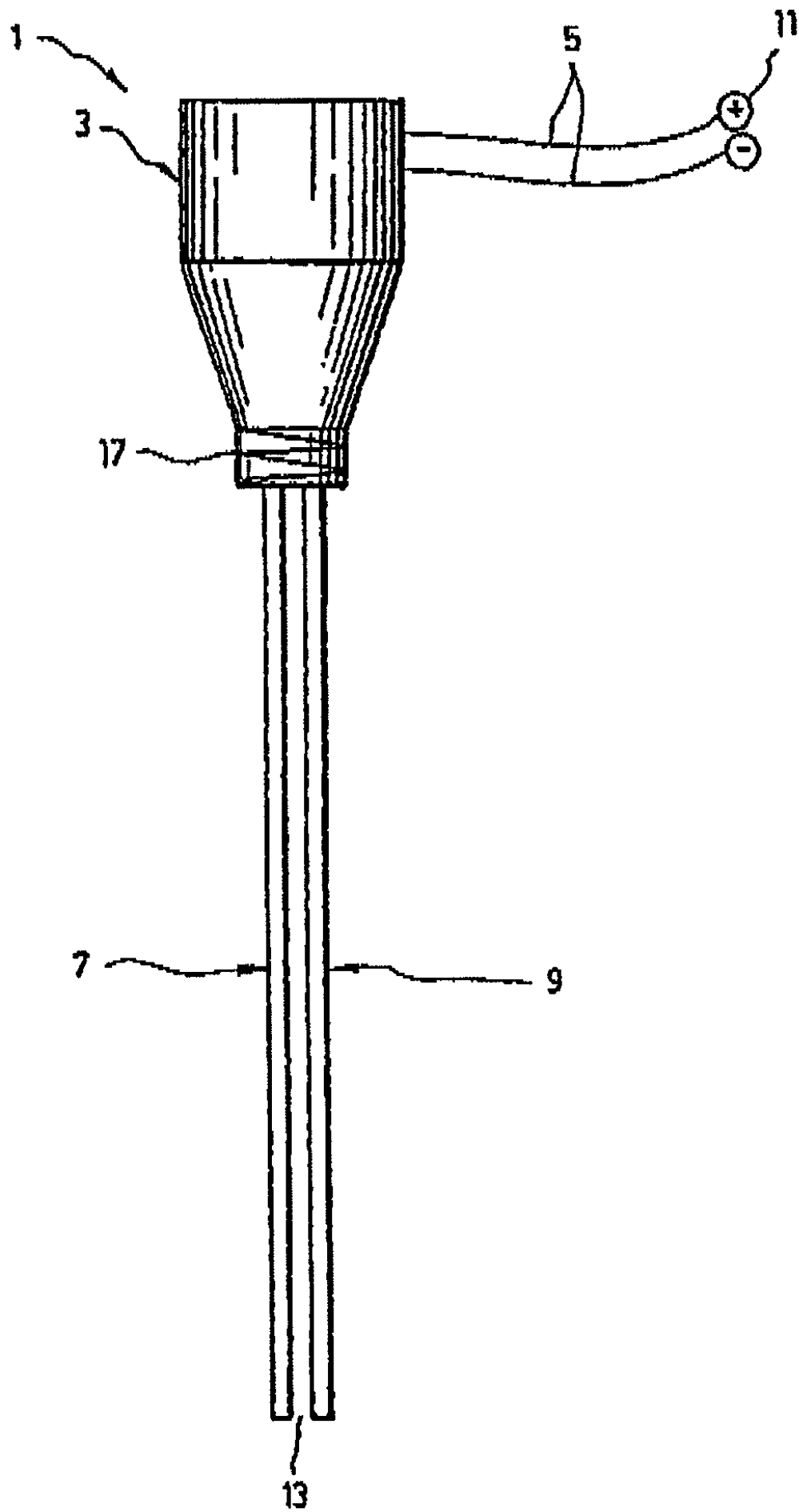
Family 2/25 - FAMPAT - ©Questel

Title

(EP2035337)

Portable ozone generator and use thereof for purifying **water**

Images



Publication data including kind & date

CA2547183	A1	2007-11-17	CA2547183				
WO2007131324	A1	2007-11-22	WO2007131324				
CA2638633	A1	2007-11-22	CA2638633				
MX2008014549	A	2008-11-27	MX2008014549				
AP200804710	A0	2008-12-31	AP200804710				
EP2035337	A1	2009-03-18	EP2035337				
US2009114605	A1	2009-05-07	US20090114605				
CN101448744	A	2009-06-03	CN101448744				
CA2638633	C	2009-07-14	CA2638633				
IL195350	A	2009-08-03	IL-195350				
JP2009537290	A	2009-10-29	JP2009537290				
EP2035337	A4	2010-07-07	EP2035337				
BRPI0712093	A2	2012-03-06	BR200712093				
BRPI0712093	A2	2012-03-06	BRPI0712093				
US8440080	B2	2013-05-14	US8440080				
EP2035337	B1	2014-02-26	EP2035337				

Abstract

(EP2035337)

The present invention relates to a **portable** device for generating ozone in **water**, purifying the **water** and making it drinkable. The device comprises a housing; at least two electrodes, including an anode and a cathode extending from the housing into the **water** and each having semi-rough or rough surfaces in contact with the **water**. The device also comprises a power supply operatively connected to the electrodes for generating between them a difference of potential creating a current and the hydrolysis of the **water** creating ozone that purifies the **water**. The electrodes may have a plate or a rod and tube configuration with a plurality of holes with rough edges. The roughness of the surfaces and of the edges of the holes leads to a coalescence of tiny hydrogen bubbles into larger hydrogen bubbles. The hydrogen may be also removed by absorption in a conductive material and regenerated for reuse.

Inventors

SALAMA AMIR

SALAMA MARIANNE

Latest standardized assignees - inventors removedO3 **WATER** TECHNOLOGIES

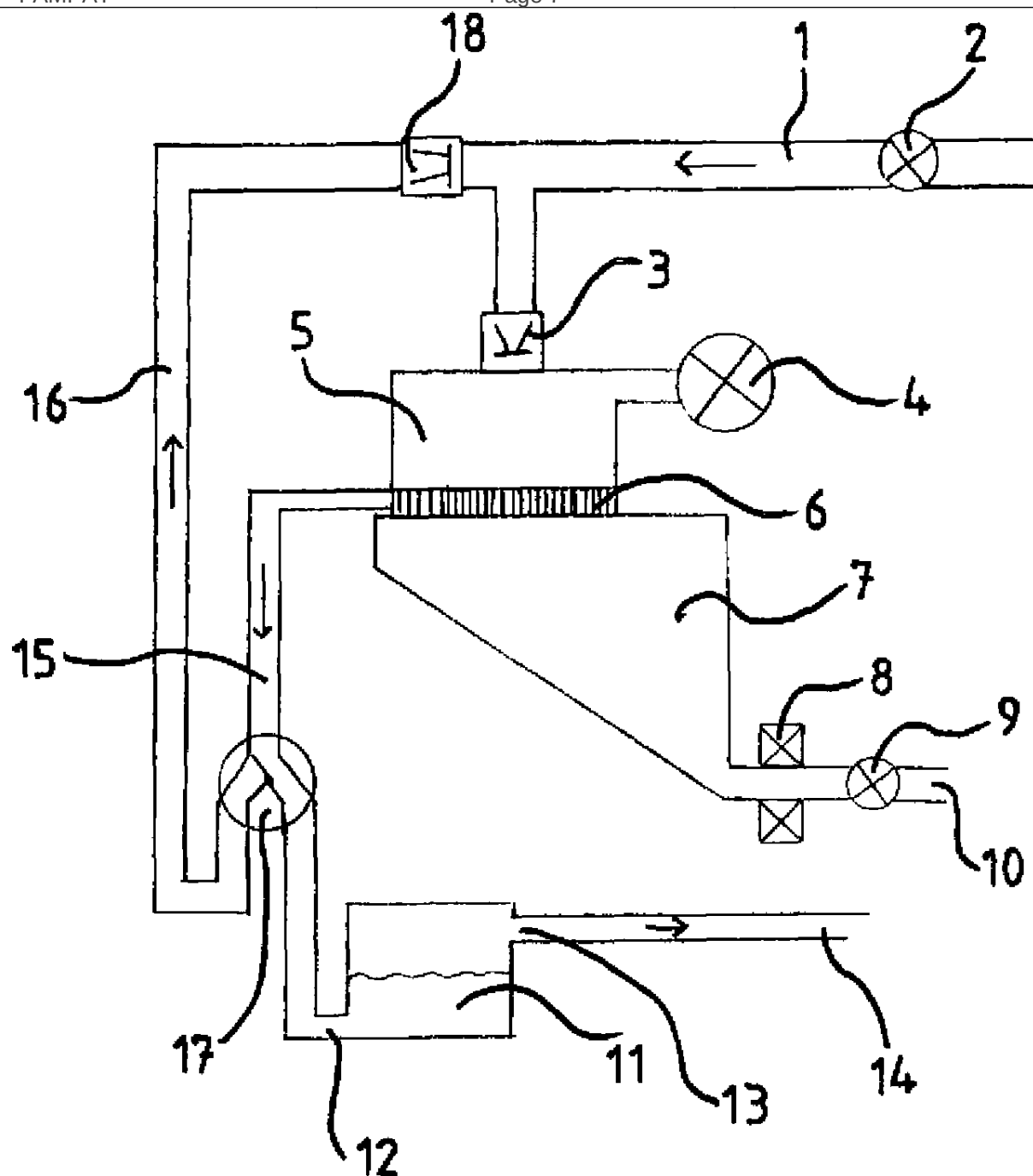
Family 3/25 - FAMPAT - ©Questel

Title

(DE10354297)

Water purification unit with fine pore filter removing suspended matter and impurities at least to size of bacteria, includes concentrate tank after filter

Images



Publication data including kind & date

DE10354297 A1 2005-06-02 DE10354297

DE10354297 B4 2011-12-08 DE10354297



Abstract

(DE10354297)

A waste **water** tank (11) for the dirty concentrate follows the filter. Its drain line (13) is lower than the filter (6) and higher than its inlet (12). A pressure generator, i.e. a motor-driven dosing pump (4) or hand pump ahead of the filter, forces impure **water** from the **water** supply line (1) through the fine pore filter. The pump outlet pressure is 4 bar, 10 bar or more. The equipment is stand-mounted and has a service- or raw **water** connection. It is alternatively transportable, and has a **water** supply tank. The inlet (12) of the waste **water** tank (11) is just above its base. A return line (16) for filtered **water** is connected into the **water** supply line. A two-way valve (17) changes-over the filter outlet between the waste **water** tank and the **water** supply. There is a separate pressure chamber (5) in the **water** supply line, preceded by a non-return valve (3). The filter corresponds in fineness with an ultrafiltration membrane or a nanofiltration membrane. An additional activated carbon filter intervenes between the **water** supply and the interception tank (7). A **water** sterilizer follows the filter, e.g. in the form of an **ultraviolet light** radiant.

Inventors

DULGER VIKTOR PROF DR

Latest standardized assignees - inventors removed

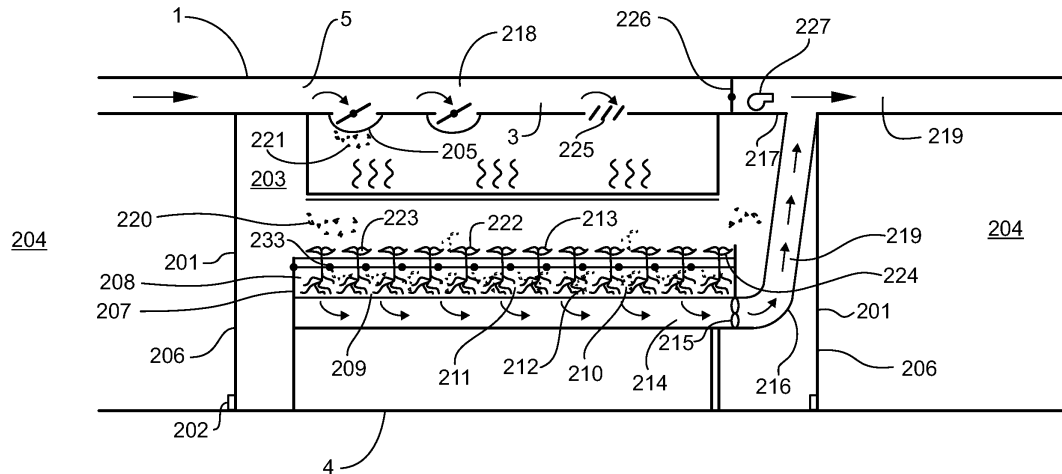
PROMINENT

Family 4/25 - FAMPAT - ©Questel

Title

(US9010019)

Plant air purification enclosure apparatus and method

Images**Publication data including kind & date**[US2012311926](#)

A1 2012-12-13

US20120311926

[US9010019](#)

B2 2015-04-21

US9010019

**Abstract**

(US9010019)

A plant air purifying enclosure, or "PAPE," contained within an unconditioned space, either within or outside a building, containing therein a plant air purifier, which is used to purify air using plants and microbes growing therein. The PAPE enclosure itself receives poor indoor quality air from within structure where the PAPE is located or from a structure close by along with thermal energy which keeps the plant air purifier enclosure at a suitable temperature for the plants and air cleaning microbes within the air purifier. Poor air enters the enclosure, is purified by the plants and microbes, and returns in purified form back to the habitable space from which it was taken. This lowers the amount of outside air needed for ventilation purposes and so lessens a building's overall energy consumption while providing efficiently for naturally purified air. Fundamentally, the object of this invention is to specify devices, systems and methods to house/enclose plant purifiers in such a way that they can readily be deployed on a wide scale.

Inventors

MITTELMARK MARTIN

Latest standardized assignees - inventors removed

MITTELMARK MICHAEL

MITTELMARK MATTHEW

MITTELMARK ZACKARY

MITTELMARK MARC A

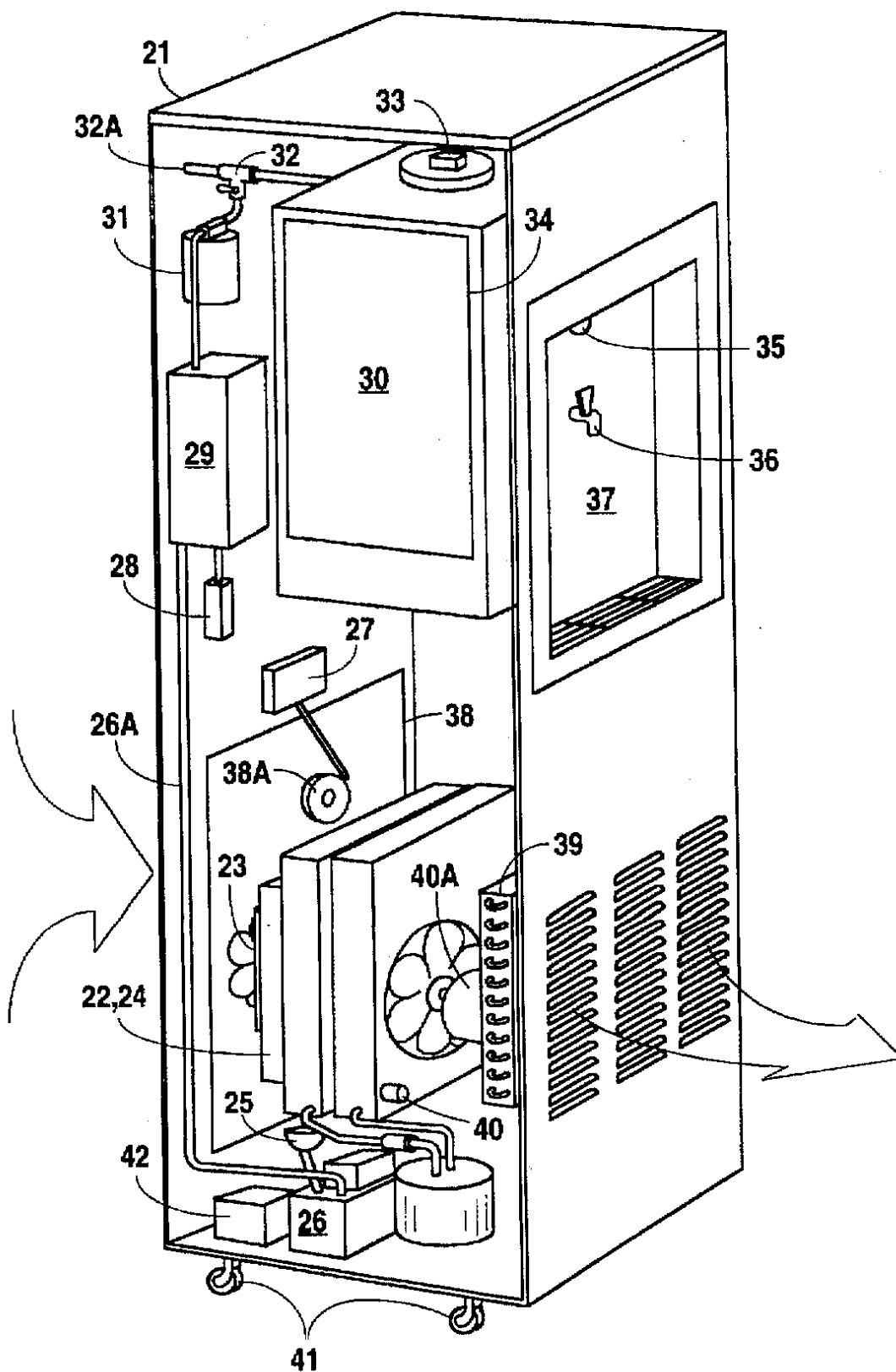
Family 5/25 - FAMPAT - ©Questel

Title

(EP-891523)

Portable, potable **water** recovery and dispensing apparatus

Images



Publication data including kind & date

US5669221	A	1997-09-23	US5669221
ID16418	A	1997-09-25	ID--16418
WO9738272	A1	1997-10-16	WO9738272



CA2251095	A1	1997-10-16	CA2251095				
AU2800397	A	1997-10-29	AU9728003				
US5845504	A	1998-12-08	US5845504				
ZA9702974	B	1999-01-08	ZA9702974				
EP0891523	A1	1999-01-20	EP-891523				
TW353714	B	1999-03-01	TW-353714				
EP0891523	A4	1999-05-19	EP-891523				
BR9708616	A	1999-08-03	BR9708616				
BRPI9708616	A1	1999-08-03	BRPI9708616				
CN1225715	A	1999-08-11	CN1225715				
IL126461	A	1999-08-17	IL-126461				
AR006558	A1	1999-09-08	AR---6558				
US6058718	A	2000-05-09	US6058718				
EG21410	A	2001-10-31	EG--21410				
BRPI9708616	B1	2002-05-14	BR9708616				
IL126461	B	2002-08-14	IL-126461				
WO9738272	A8	2003-02-20	WO9738272				
MXPA98008295	A	2003-03-21	MXPA98008295				
CA2251095	C	2003-05-20	CA2251095				
CN1122803	C	2003-10-01	CN1122803C				
IN192413	B	2004-04-24	IN-192413				
EP0891523	B1	2005-11-09	EP-891523				
DE69734575	D1	2005-12-15	DE69734575				
DE69734575	T2	2006-07-27	DE69734575				
MY134862	A	2007-12-31	MY-134862				

Abstract

(EP-891523)

A **portable**, potable **water** generator for producing high-purity liquid **water** by condensation of dew from ambient air is described. The generator employs filtration subsystems (38) to remove particulates and aerosols from the incoming air. An enclosed heat absorber (22) cools the filtered air below its dew point and collects (25) droplets of condensate into a closed system (26). The collected liquid dew is further continually treated in a bacteriostat loop (29, 31) to destroy adventitious living organisms and to filter out undesirable and dangerous contaminants. All the subsystems are failsafe-interlocked to disable the generator immediately and prevent delivery of **water** if any one of them stops functioning within predetermined safe limits. Hybrid embodiments of the **water** generator attached to or integrated with refrigeration-type appliances such as **water** coolers, refrigerators, freezers, icemakers and air-conditioners are illustrated.

Inventors

LEBLEU TERRY L

FORSBERG FRANCIS C

LEBLEU STEPHEN M

Latest standardized assignees - inventors removed

WORLD WIDE **WATER**

WORLDWIDE **WATER**

LOU O HARDING

LEBLEU MR TERRY LYLE

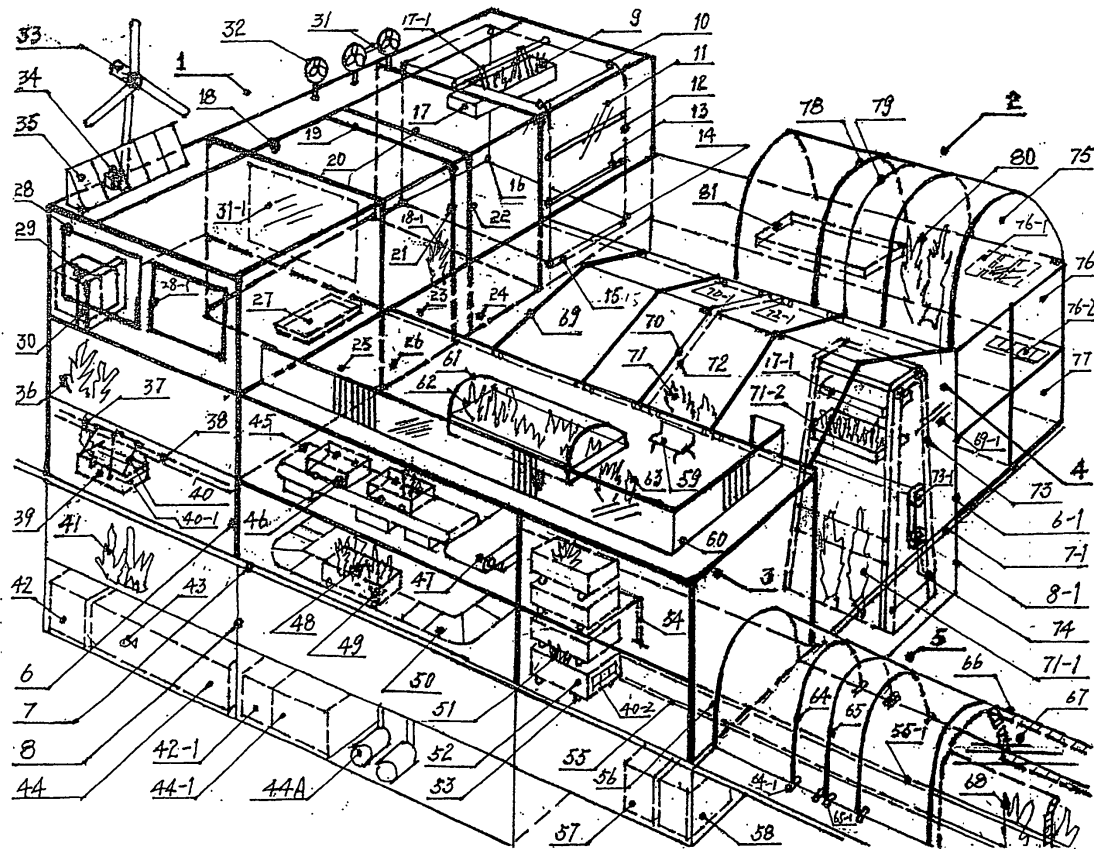
Family 6/25 - FAMPAT - ©Questel

Title

(WO200356117)

Multifunctional tridimensional combined green building

Images



Publication data including kind & date

WO03056117	A1	2003-07-10	WO200356117
AU2002359957	A1	2003-07-15	AU2002359957
CN1429961	A	2003-07-16	CN1429961
US2005138867	A1	2005-06-30	US20050138867
CN1210474	C	2005-07-13	CN1210474C



Abstract

(WO200356117)

The present invention is related to a tridimensional combined green building which is constituted with plant, biologic ecosystem, physical environment ecosystem, habitation environment and the combination thereof. Said tridimensional combined green-building may comprises green villages, green areas and green scientific town, such as tridimensional wall, tridimensional river and tridimensional bridge etc., and they can be divided into variety of green building.

Inventors

ZHAO BING

Family 7/25 - FAMPAT - ©Questel

Title

(WO201115806)

Plant air purification enclosure apparatus and method

Images

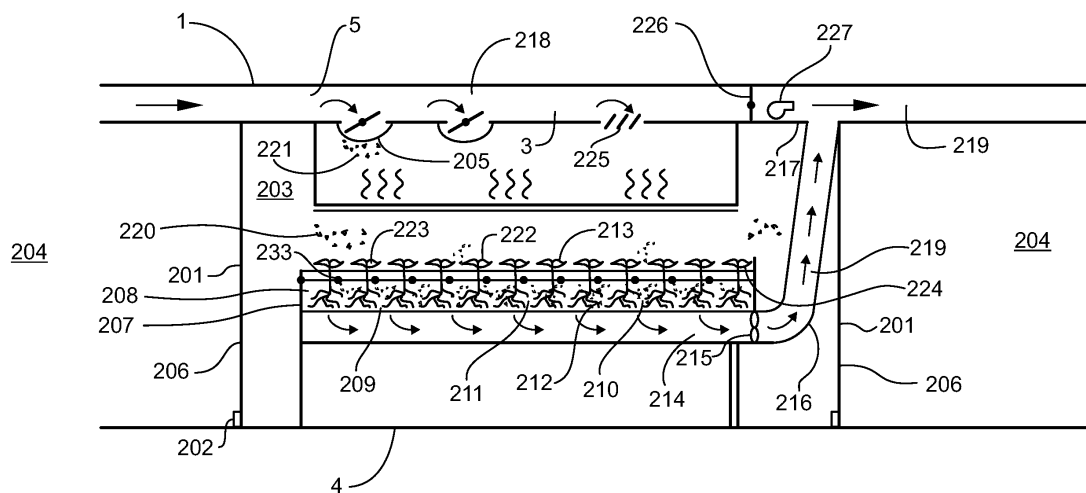


Figure 2A

Publication data including kind & date

CA2828602	A1	2011-09-22	CA2828602
WO2011115806	A2	2011-09-22	WO2011115806
WO2011115806	A3	2012-01-19	WO2011115806
WO2011115806	A4	2012-03-08	WO2011115806

**Abstract**

(WO2011115806)

A plant air purifying enclosure, or "PAPE," contained within an unconditioned space, either within or outside a building, containing therein a plant air purifier, which is used to purify air using plants and microbes growing therein. The PAPE enclosure itself receives poor indoor quality air from within structure where the PAPE is located or from a structure close by along with thermal energy which keeps the plant air purifier enclosure at a suitable temperature for the plants and air cleaning microbes within the air purifier. Poor air enters the enclosure, is purified by the plants and microbes, and returns in purified form back to the habitable space from which it was taken. This lowers the amount of outside air needed for ventilation purposes and so lessens a building's overall energy consumption while providing efficiently for naturally purified air. Fundamentally, the object of this invention is to specify devices, systems and methods to house / enclose plant purifiers in such a way that they can readily be deployed on a wide scale.

Inventors

MITTELMARK MARTIN

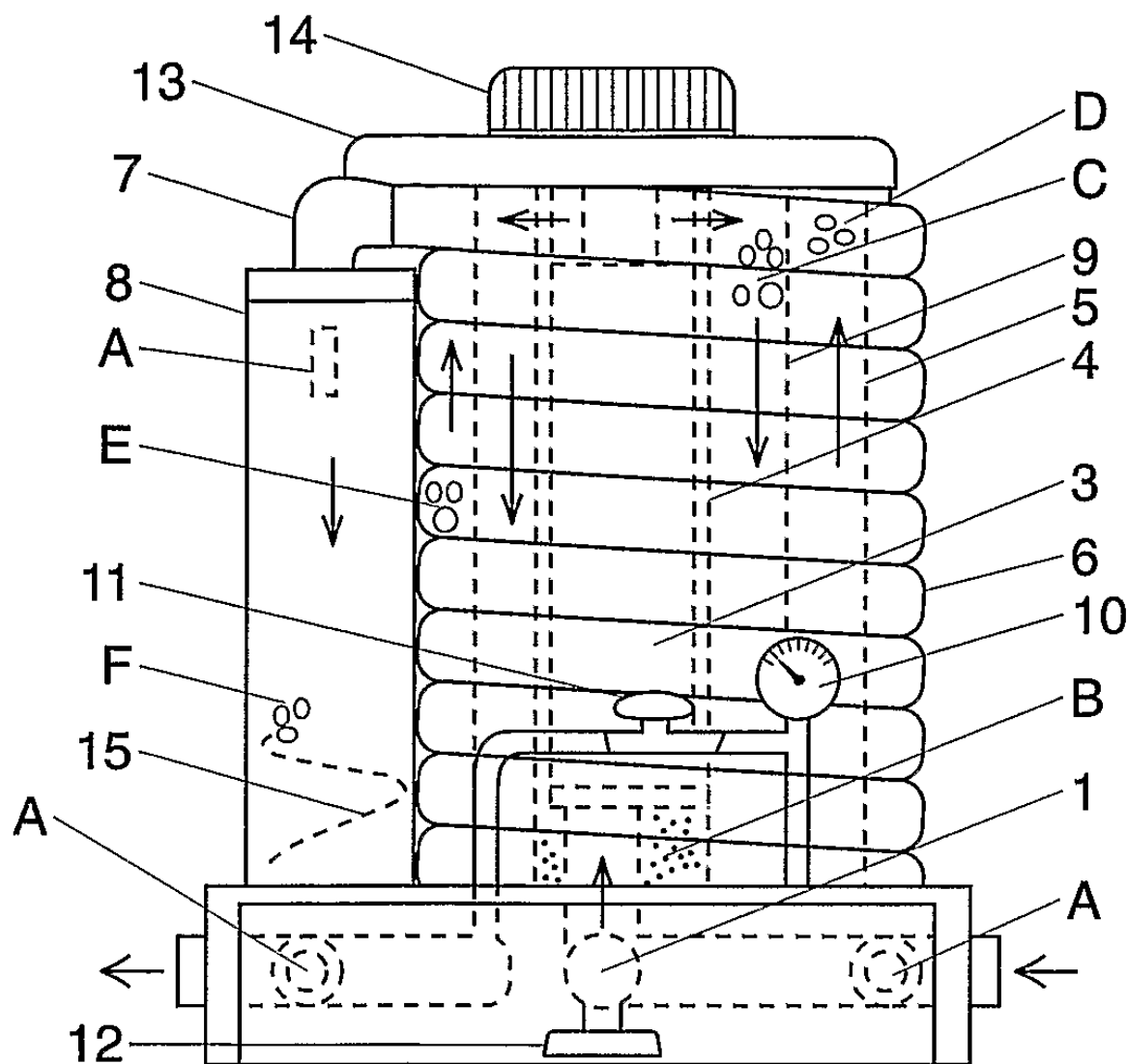
Family 8/25 - FAMPAT - ©Questel

Title

(WO200575360)

Reduced water formed by a variety of particles and beads having magnetism, hot water reformer, generator, and machine for manufacturing health food slime

Images



Publication data including kind & date

WO2005075360	A1	2005-08-18	WO200575360
JP2007054083	A	2007-03-08	JP2007054083
JP2007054676	A	2007-03-08	JP2007054676



Abstract

(WO200575360)

A large number of **water** reformers utilizing **solar** energy were invented in the past. A comprehensive reformer has been developed and improved to reduce cost by the effect of mass-production. The reformer is not developed to suit for a specific purpose, but developed to suit for all purposes by the operation thereof. In addition, the reformer is improved to be usable joyfully.

Inventors

SUMIZAKI KOUSEI

Latest standardized assignees - inventors removed

HIRAGA

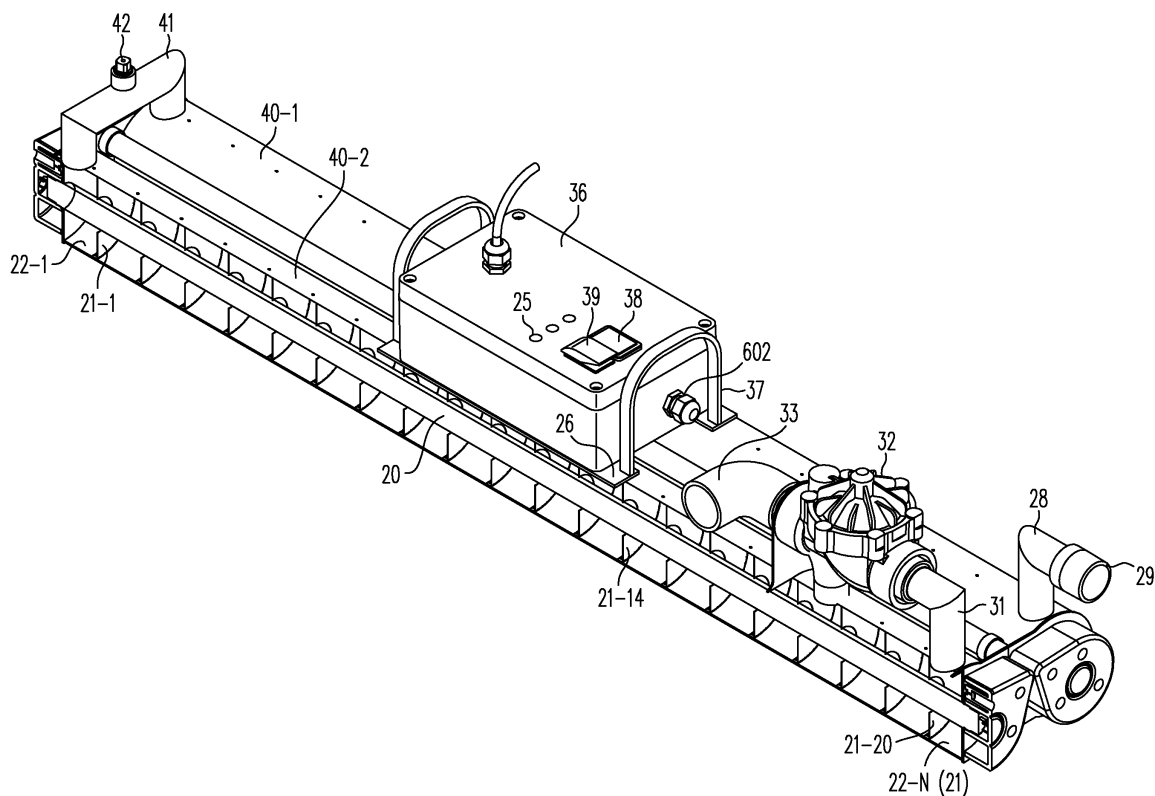
Family 9/25 - FAMPAT - ©Questel

Title

(EP2195276)

Ultraviolet **water** purification system

Images



WO2009042406	A2	2009-04-02	WO200942406				
CA2697430	A1	2009-04-02	CA2697430				
AU2008305352	A1	2009-04-02	AU2008305352				
US2009084734	A1	2009-04-02	US20090084734				
TW200920416	A	2009-05-16	TW200920416				
WO2009042406	A3	2009-12-30	WO200942406				
US2010025337	A1	2010-02-04	US20100025337				
EP2195276	A2	2010-06-16	EP2195276				
KR20100074139	A	2010-07-01	KR20100074139				
IN0607/KOLNP/2010	A	2010-07-23	IN2010KN00607				
MX2010003298	A	2010-08-11	MX2010003298				
ZA201001010	B	2010-10-27	ZA201001010				
JP2010540227	A	2010-12-24	JP2010540227				
US7862728	B2	2011-01-04	US7862728				
CN101939261	A	2011-01-05	CN101939261				
VN25739	A	2011-04-25	VN--25739				
BRPI0817679	A2	2011-08-23	BR200817679				
RU2010105556	A	2011-11-10	RU2010105556				
EP2195276	A4	2012-01-18	EP2195276				
US8529770	B2	2013-09-10	US8529770				

A **portable** Ultraviolet-C (UVC) based **water** purification system employs a novel baffle array for increasing the efficiency per unit energy of irradiating UVC light for **water** pathogen eradication. Closed loop feedback monitoring of UVC light power ensures high levels of pathogen eradication. This system is capable of eradicating a wide range of waterborne bacteria, viruses, protozoa, helminthes, yeast, and mold found in natural freshwater sources worldwide. System pre- or post- filters can remove harmful organic compounds pesticides, inorganic compounds and heavy metals. The system can eradicate

pathogens in fluids besides **water**. A low cost communications system for reaching geographically dispersed populations can be combined with and powered by the purification system. In one embodiment, a packet radio system is provided to create nodes in a wireless mesh communications system to provide voice, data video and internet communications using an array of the **water** purifiers to create a wireless mesh network.

Inventors

YENCHO STEPHEN A

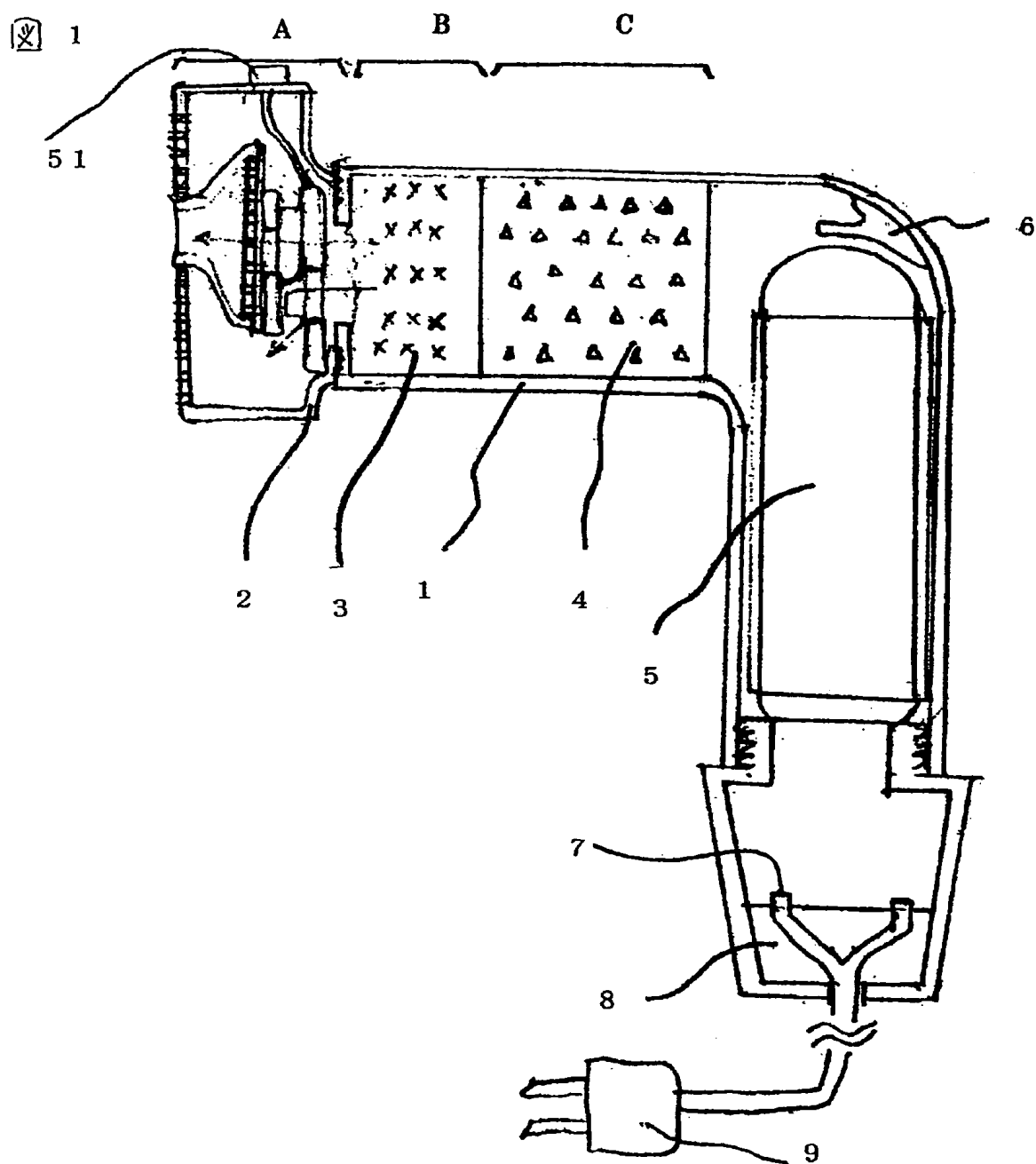
Latest standardized assignees - inventors removed**WATER** OF LIFE

Family 10/25 - FAMPAT - ©Questel

Title

(WO200990847)

Alkaline electron radiation device

Images**Publication data including kind & date**[JP2008168123](#)

A 2008-07-24

JP2008168123

[WO2009090847](#)

A1 2009-07-23

WO2009090847



WO2009090847	A9	2009-11-19	WO200990847
WO2009090847	A9	2010-01-28	WO200990847
JP2012045412	A	2012-03-08	JP2012045412
JP2015016345	A	2015-01-29	JP2015016345

**Abstract**

(WO200990847)

Medical equipment for irradiation of a novel energy different from radioactive ray.

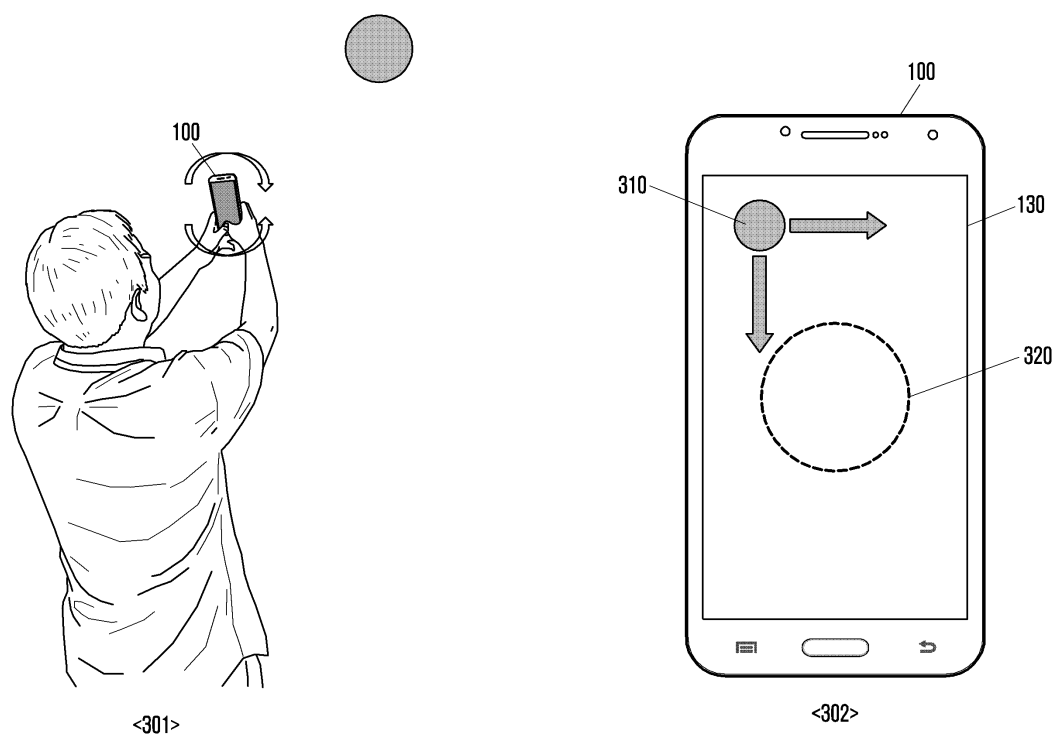
Inventors

MORI JYUNJI

Family 11/25 - FAMPAT - ©Questel

Title

(US9689741)

Method and apparatus for measuring **ultraviolet light** exposure**Images****Publication data including kind & date**

US2016109289	A1	2016-04-21	US20160109289
KR20160045320	A	2016-04-27	KR20160045320
US9689741	B2	2017-06-27	US9689741

**Abstract**

(US9689741)

An electronic device comprising: an ultraviolet (UV) light sensor; and a processor configured to: generate a plurality of initial UV light measurements by using the UV light sensor, wherein each of the plurality of initial UV light measurements is associated with a respective orientation of the electronic device; and select a reference UV light measurement from the plurality.

Inventors

EOM KIHUN

PARK JEONGMIN

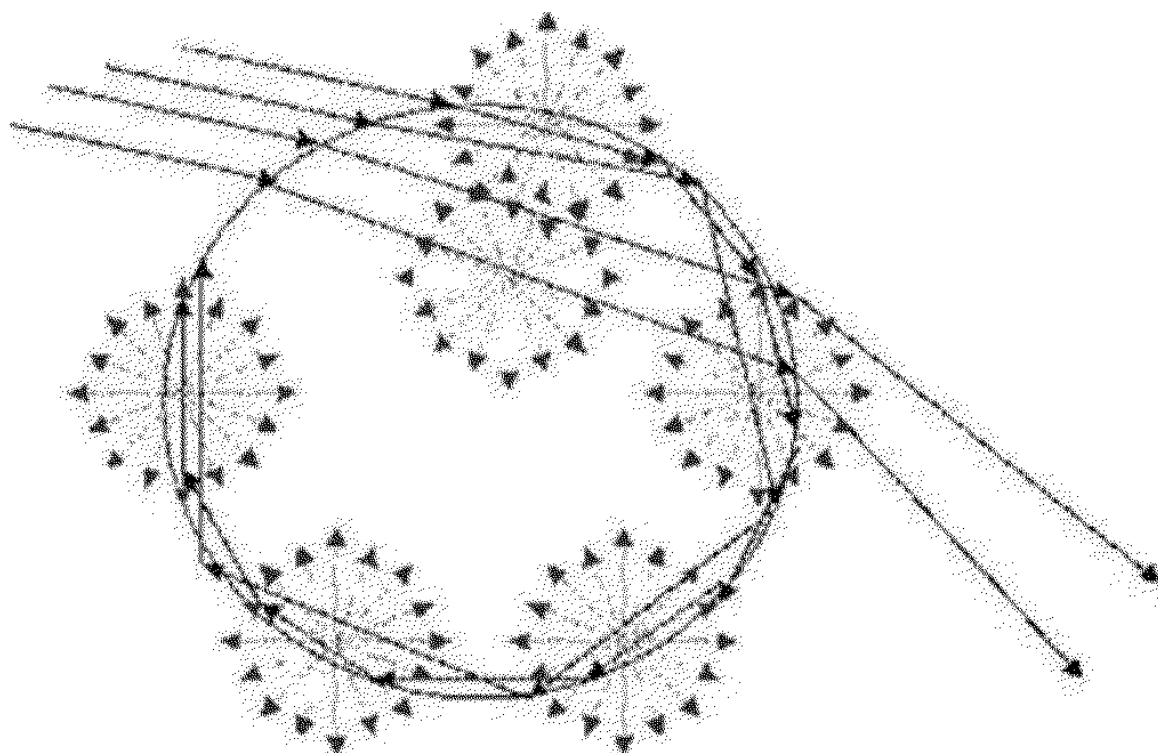
SAMSUNG ELECTRONICS

Title

(EP2557137)

Spherical phosphor, sealing material for wavelength conversion solar battery, solar battery module and method for producing same

Images



Publication data including kind & date

WO2011126118	A1	2011-10-13	WO2011126118				
JP2011219625	A	2011-11-04	JP2011219625				
TW201139606	A	2011-11-16	TW201139606				
JP2012041465	A	2012-03-01	JP2012041465				
JP2012082324	A	2012-04-26	JP2012082324				
SG184489	A1	2012-11-29	SG-184489				
CN102834484	A	2012-12-19	CN102834484				
EP2557137	A1	2013-02-13	EP2557137				
US2013068299	A1	2013-03-21	US20130068299				
KR20130029764	A	2013-03-25	KR20130029764				
EP2557137	A4	2014-12-03	EP2557137				
KR101511829	B1	2015-04-13	KR101511829				
JP5712550	B2	2015-05-07	JP5712550				
JP5716319	B2	2015-05-13	JP5716319				
JP5799487	B2	2015-10-28	JP5799487				
CN102834484	B	2016-03-23	CN102834484B				

CN105694863	A	2016-06-22	CN105694863
TWI591152	B	2017-07-11	TWI591152
MY163118	A	2017-08-15	MY-163118

**Abstract**

(EP2557137)

A spherical phosphor is formed by including a fluorescent substance and a transparent material including the fluorescent substance. In addition, a wavelength conversion-type photovoltaic cell sealing material is formed by including a light transmissive resin composition layer including the spherical phosphor and a sealing resin.

Inventors

OKANIWA KAORU

YAMASHITA TAKESHI

SAWAKI TAKU

Latest standardized assignees - inventors removed

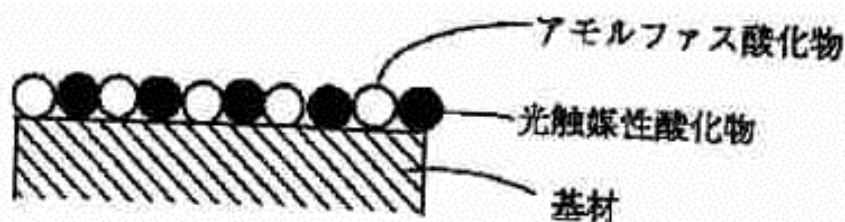
HITACHI CHEMICAL

Family 13/25 - FAMPAT - ©Questel

Title

(JP2002302646)

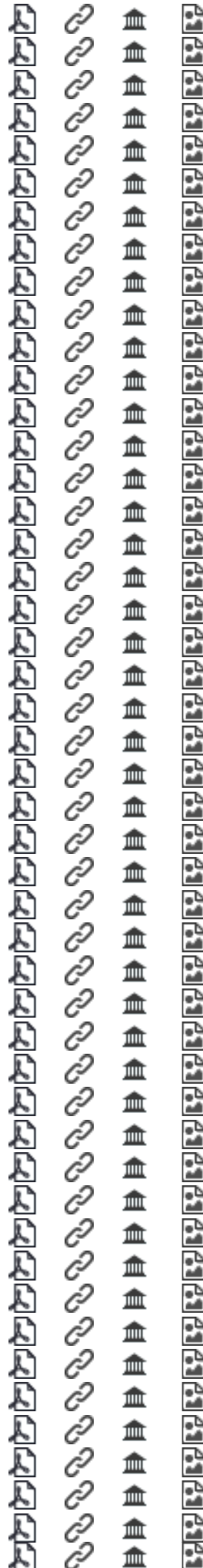
Sound insulating wall and method for washing sound insulating wall

Images**Publication data including kind & date**

JPH09228022	A	1997-09-02	JP09228022
JPH09225387	A	1997-09-02	JP09225387
JPH09227832	A	1997-09-02	JP09227832
JPH09227831	A	1997-09-02	JP09227831
JPH09226060	A	1997-09-02	JP09226060
JPH09224800	A	1997-09-02	JP09224800
JPH09227162	A	1997-09-02	JP09227162
JPH09226531	A	1997-09-02	JP09226531
JPH09227169	A	1997-09-02	JP09227169
JPH09225054	A	1997-09-02	JP09225054
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JPH09226042	A	1997-09-02	JP09226042
JPH09228765	A	1997-09-02	JP09228765
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JPH09224793	A	1997-09-02	JP09224793
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JPH09225021	A	1997-09-02	JP09225021
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JPH09227178	A	1997-09-02	JP09227178
JPH09225396	A	1997-09-02	JP09225396
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JPH09230119	A	1997-09-05	JP09230119
JPH09229546	A	1997-09-05	JP09229546
JPH09230031	A	1997-09-05	JP09230031
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JPH09230796	A	1997-09-05	JP09230796
JPH09231499	A	1997-09-05	JP09231499
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JPH09229585	A	1997-09-05	JP09229585
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JPH09241038	A	1997-09-16	JP09241038
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JP3003581	B2	2000-01-31	JP3003581
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JP2000136370	A	2000-05-16	JP2000136370
JP2000141537	A	2000-05-23	JP2000141537
JP3063968	B2	2000-07-12	JP3063968
JP3075195	B2	2000-08-07	JP3075195
JP2001048679	A	2001-02-20	JP2001048679
JP2001049829	A	2001-02-20	JP2001049829
JP2001049828	A	2001-02-20	JP2001049828
JP3141802	B2	2001-03-07	JP3141802



JP2001081948	A	2001-03-27	JP2001081948				
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JP2001122679	A	2001-05-08	JP2001122679				
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JP3173391	B2	2001-06-04	JP3173391				
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JP2002030258	A	2002-01-31	JP2002030258				
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JP3339304	B2	2002-10-28	JP3339304				
JP3348613	B2	2002-11-20	JP3348613				
JP3385850	B2	2003-03-10	JP3385850				
JP2003113345	A	2003-04-18	JP2003113345				
JP3414367	B2	2003-06-09	JP3414367				
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JP3465664	B2	2003-11-10	JP3465664				
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JP3588205	B2	2004-11-10	JP3588205				
JP3588202	B2	2004-11-10	JP3588202				
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JP3613084	B2	2005-01-26	JP3613084				
JP3613085	B2	2005-01-26	JP3613085				
JP3697795	B2	2005-09-21	JP3697795				
JP3740736	B2	2006-02-01	JP3740736				
JP3743075	B2	2006-02-08	JP3743075				
JP3760509	B2	2006-03-29	JP3760509				
JP3774955	B2	2006-05-17	JP3774955				
JP3844182	B2	2006-11-08	JP3844182				
JP3882625	B2	2007-02-21	JP3882625				
IN0215/DEL/2007	A	2007-08-31	IN2007DE00215				
IN0622/DEL/2005	A	2009-06-19	IN2005DE00622				
IN2897/DEL/1996	A	2009-10-30	IN1996DE02897				
IN238504	B	2010-02-19	IN-238504				

Abstract

(JP3882625)

PROBLEM TO BE SOLVED: To provide a hydrophilic coating composition which has excellent long-term storage stability and can render the surface of a member highly hydrophilic, and simultaneously, retains the hydrophilicity. **SOLUTION:** The photocatalytic hydrophilic coating composition comprises titanium oxide particles whose surfaces have been coated with (a) a film-forming element composed of a siloxane to be represented by the average composition formula: $R_pSiX_qO(4-p-q)/2$ (wherein R is a functional group composed of one or more monovalent organic groups or a functional group composed of two or more kinds selected from between a monovalent organic group and hydrogen; X is an alkoxy group or a halogen atom; 0

Inventors

HAYAKAWA MAKOTO

SHIMOBUKIKOSHI MITSUhide

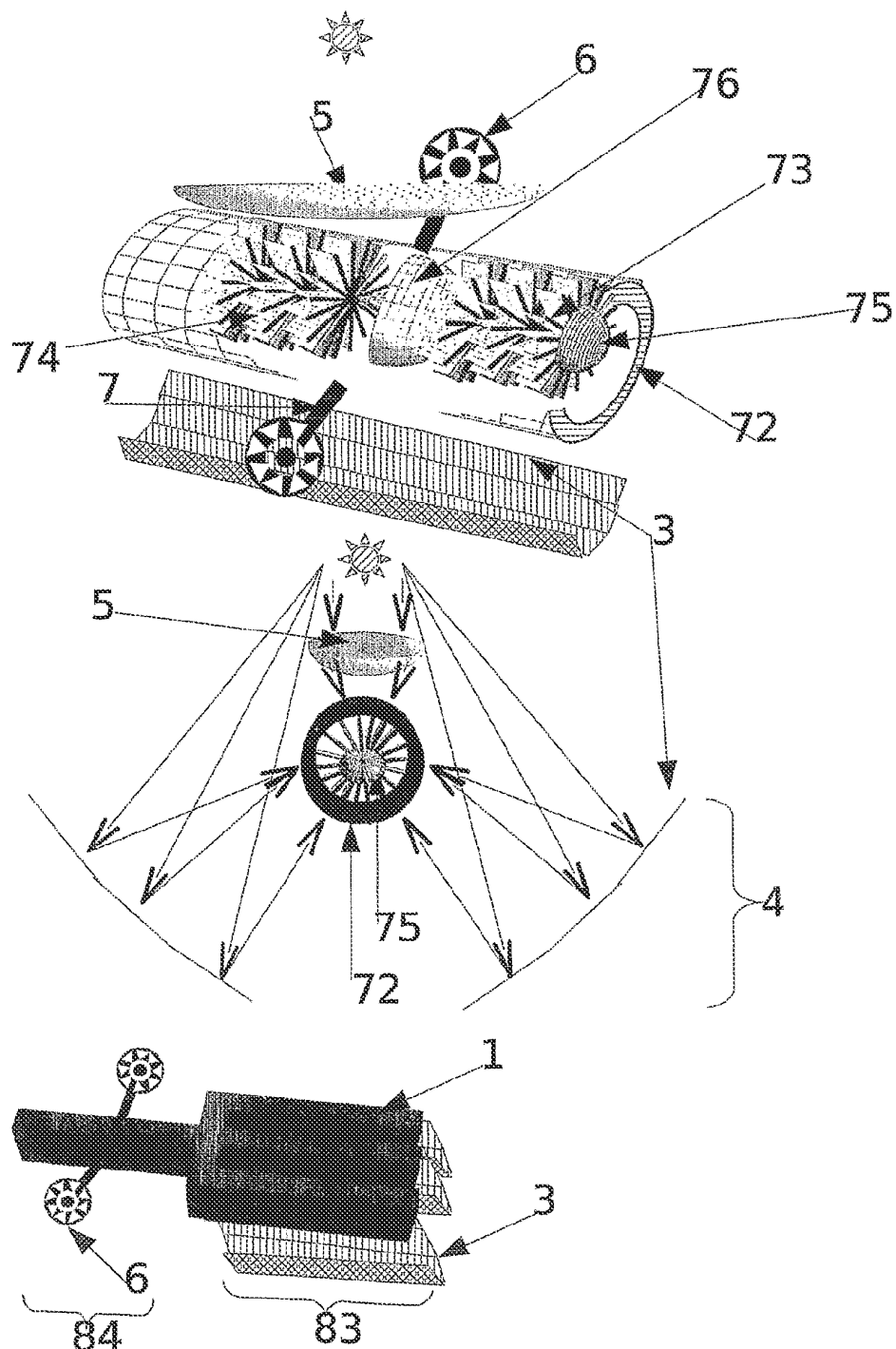
Latest standardized assignees - inventors removed

TOTO

Family 14/25 - FAMPAT - ©Questel

Title

(EP2227324)

Method using **solar** energy, microwaves and plasmas for producing a liquid fuel and hydrogen from a biomass or fossil coal**Images****Publication data including kind & date**

FR2923731	A1	2009-05-22	FR2923731
FR2923732	A1	2009-05-22	FR2923732
WO2009098375	A1	2009-08-13	WO200998375
CA2705516	A1	2009-08-13	CA2705516
AU2008364688	A1	2009-08-13	AU2008364688
KR20100100885	A	2010-09-15	KR20100100885



EP2227324	A1	2010-09-15	EP2227324				
IN1559/KOLNP/2010	A	2010-09-17	IN2010KN01559				
US2010258429	A1	2010-10-14	US20100258429				
MA31844	B1	2010-11-01	MA--31844				
CN101909741	A	2010-12-08	CN101909741				
IL205524	A	2010-12-30	IL-205524				
JP2011503317	A	2011-01-27	JP2011503317				
ZA201003437	B	2011-02-23	ZA201003437				
FR2923732	B1	2011-03-04	FR2923732				
FR2923731	B1	2011-06-03	FR2923731				
EP2227324	B1	2011-06-29	EP2227324				
AT514482	T	2011-07-15	ATE514482				
PT2227324	E	2011-09-28	PT2227324				
ES2368813	T3	2011-11-22	ES2368813				
RU2010118427	A	2011-12-27	RU2010118427				
AU2008364688	B2	2012-06-28	AU2008364688				
US8388706	B2	2013-03-05	US8388706				
RU2481152	C2	2013-05-10	RU2481152				
CN101909741	B	2013-06-19	CN101909741B				
IL205524	B	2013-06-27	IL-205524				
JP5329556	B2	2013-10-30	JP5329556				
BRPI0819315	A1	2015-06-30	BR200819315				
KR101542635	B1	2015-08-06	KR101542635				
BRPI0819315	A2	2015-08-18	BR200819315				
CA2705516	C	2016-06-21	CA2705516				
IN275549	B	2016-09-16	IN-275549				
BRPI0819315	B1	2017-06-13	BRPI0819315				

Abstract

(EP2227324)

The invention relates to a system that uses thermal (heat-generating) **solar** energy coupled with microwaves and plasma for producing mainly carbon monoxide (CO) and dihydrogen (H₂) from carbonated compounds (biomass, domestic waste, sludge from waste **water**, fossil coal), wherein the obtained gaseous mixture yields, amongst others, hydrocarbon fuels (olefins, paraffin), esters, and alcohols via a Fischer-Tropsch synthesis. The invention comprises in a first step the roasting and pyrolysis of the carbonated compounds in order to produce char and dry coal on the one hand, and a mixture of superheated gases mainly containing CO₂, steam, tars and non-condensable volatile materials; the method comprises in a second step, and from the pyrolysis products (char or coal, gas mixture), generating a syngas substantially containing a mixture of carbon monoxide and dihydrogen, said mixture being used in Fischer-Tropsch synthesis units. After the Fischer-Tropsch step, the synthesis products are separated by a distillation column after heating in **solar** furnaces of mixed furnaces (**solar**/microwave). The thermal energy necessary for generating a plasma is produced by **solar** cells, wind turbines, power generators running on hydrocarbon gases that cannot be recycled after distillation, and systems for recovering the thermal energy throughout the entire method.

Inventors

UGOLIN NICOLAS

Latest standardized assignees - inventors removed

NICOLAS UGOLIN

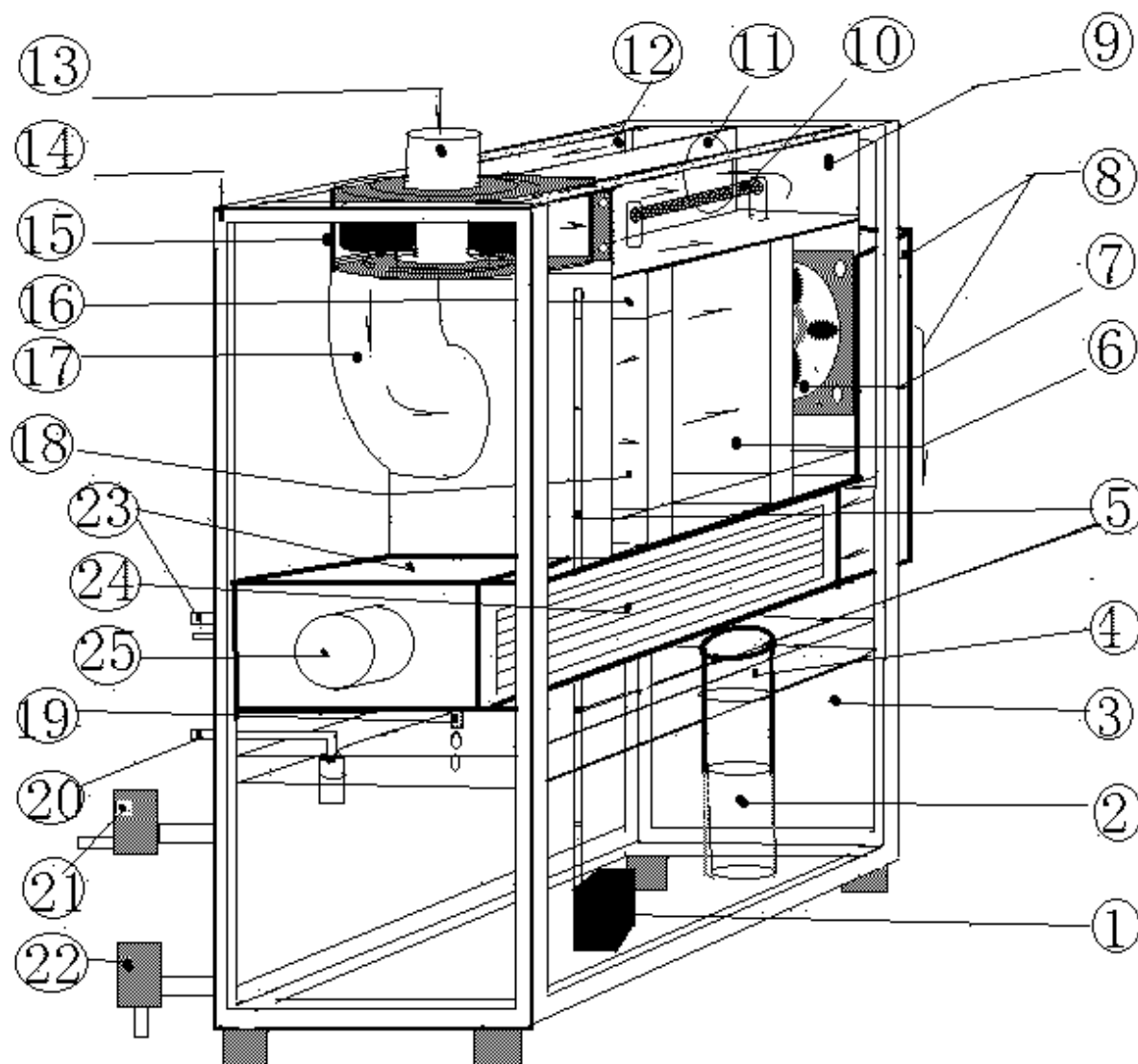
Family 15/25 - FAMPAT - ©Questel

Title

(CN105444301)

Purification air conditioner

Images



Publication data including kind & date

CN105444301

A

2016-03-30

CN105444301



Abstract

(CN105444301)

Disclosed is a purification air conditioner. According to the technology of the purification air conditioner, 1, a method for removing dust through a thunderstorm is adopted, that is to say, ecotype dynamic air containing negative oxygen ions is created indoors after the thunderstorm; 2, an antiviral sterilization method in which hydrolysis medicine is used for a breathing group through the ecotype dynamic air is adopted, and the function of disease treatment or physiotherapy with pertinence is achieved; 3, a designed method that the purification air conditioner and a temperature air conditioner are combined into a whole or a combination installation using method or intelligent purification air conditioner and central purification air conditioner technology for effectively removing indoor particulate matter (PM) 2.5, decoration formaldehyde, cooking fumes and other life noxious gas in a ventilation type removal mode is adopted; and 4, mobile phone application program (APP)/internet remote video monitoring and remote control are conducted, a multicircuit relay is used for remote switching monitoring control, a control method by setting a WeChat prompt function is adopted, and a **solar** energy/photovoltaic energy storage battery combination is used for achieving an ultra-purification air conditioner, an automobile-mounted purification air conditioner, a central purification air conditioner capable of achieving the work healthy breathing function, personal protection type **portable** air conditioner and other technical equipment.

Inventors

WEIXING CHEN

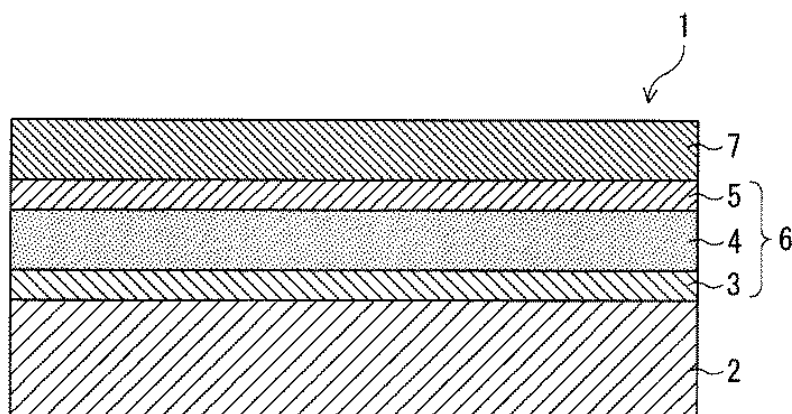
Latest standardized assignees - inventors removed

CHANGZHOU ZHONGLI ENV PROT SCIENCE & TECHNOLOGY

Family 16/25 - FAMPAT - ©Questel

Title

(JP2013168672)

Film type **solar** cell and **solar** cell panel**Images****Publication data including kind & date**

JP2010034489	A	2010-02-12	JP2010034489
JP2013168672	A	2013-08-29	JP2013168672

**Abstract**

(JP2013168672)

PROBLEM TO BE SOLVED: To provide a new thin film **solar** cell usable for application to building material use. SOLUTION: A first metal sheet 2, a first electrode layer 3 directly formed on a front side of the first metal sheet 2, a power generation layer 4 for generating power by receiving light, and a second electrode layer 5 are formed in this order.

Inventors

HOSHIJIMA TOKITARO

FUKUSHIMA JUN

Latest standardized assignees - inventors removed

MITSUBISHI CHEMICAL

Family 17/25 - FAMPAT - ©Questel

Title

(US9683539)

Multisource renewable energy generation

Images

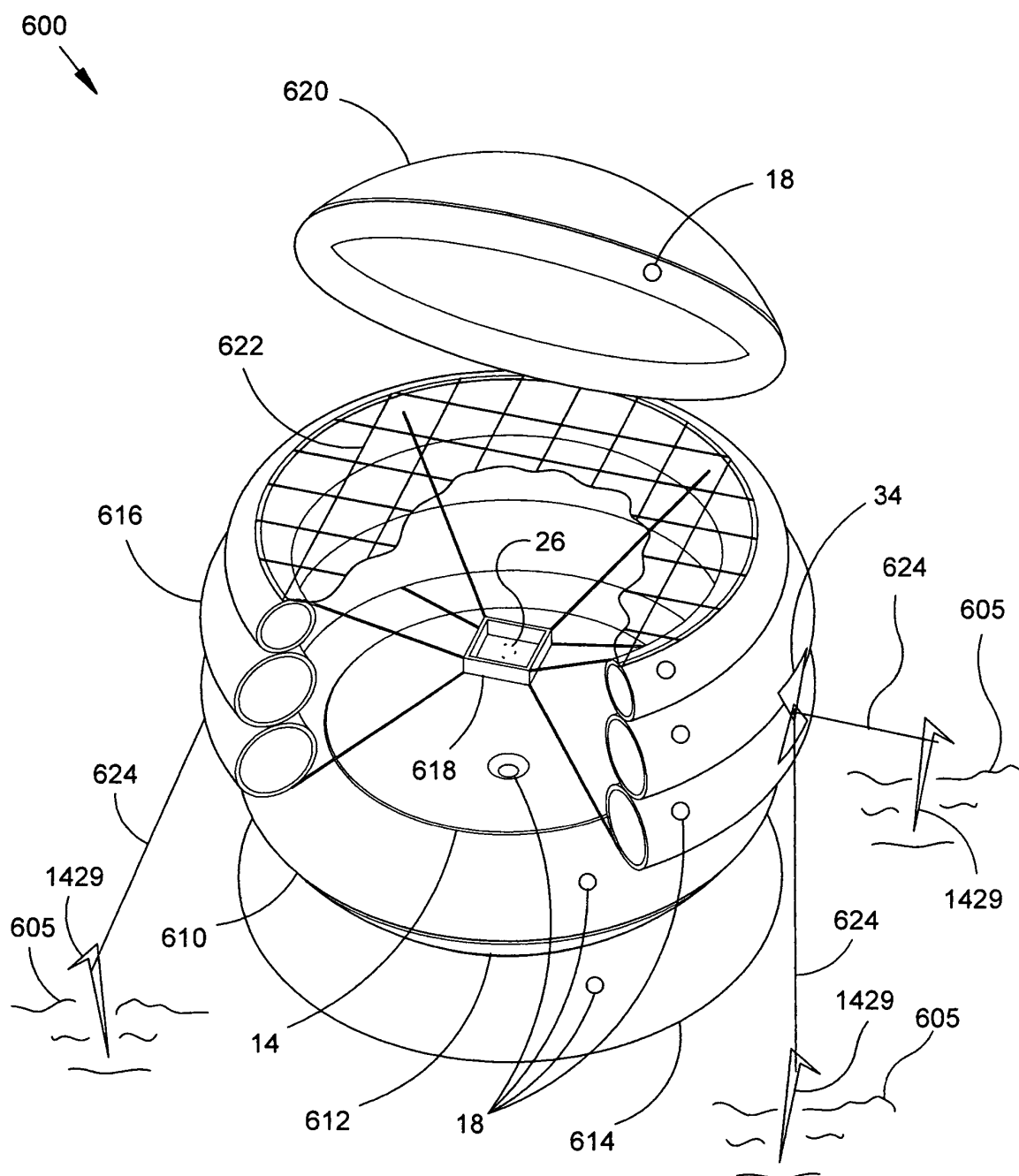
Family 18/25 - FAMPAT - ©Questel

Title

(EP1700358)

Modular inflatable multifunction field-deployable apparatus and methods of manufacture

Images



Publication data including kind & date

WO2005057620	A2	2005-06-23	WO200557620
CA2589731	A1	2005-06-23	CA2589731
AU2004297977	A1	2005-06-23	AU2004297977
WO2005057620	A3	2006-01-26	WO200557620
US2006033674	A1	2006-02-16	US20060033674
EP1700358	A2	2006-09-13	EP1700358
KR20070017486	A	2007-02-12	KR20070017486
CN1926719	A	2007-03-07	CN1926719
BRPI0417312	A	2007-03-27	BR200417312



BRPI0417312	A1	2007-03-27	BRPI0417312				
JP2007513318	A	2007-05-24	JP2007513318				
IN0807/MUMNP/2006	A	2007-08-24	IN2006MN00807				
US2008034492	A1	2008-02-14	US20080034492				
EP1700358	A4	2008-07-16	EP1700358				
US7612735	B2	2009-11-03	US7612735				
US7726906	B2	2010-06-01	US7726906				
BRPI0417312	A2	2012-05-15	BR200417312				

Abstract

(EP1700358)

An modular, inflatable, multi-function, field-deployable apparatus 600 having, in its preferred embodiments, an inflatable reflector apparatus 610 comprising a least one manufactured parabolic mirror made from a pressure-deformable reflective covering of an inflatable ring for focusing electromagnetic energy from radio frequency radiation (RF) through the ultraviolet (UV) radiation including **solar** energy for (1) heating and cooking, (2) electrical power generation, (3) enhancing the transmission and reception of radio signals, (4) enhancing vision in low-light environments, and/or (5) projection of optical signals or images. The device also has non-electromagnetic uses, such as the collection and storage of **water**, harnessing of energy from a fluid stream, and/or harnessing wave energy. A first main embodiment of the inflatable reflector apparatus 610 generally utilizes two pressure-deformable membranes, at least one of which is reflective. A second main embodiment utilizes a reflective membrane and a transparent membrane. In addition to the reflector apparatus 610, the modular apparatus 600 typically further includes modular assemblies to increase versatility, facilitate use, and/or enhance safety such as, for example, a modular support and orienting assembly 612, a separate support ring 614, a safety shield or cage 616, a focal point support assembly 618, a safety cover 620, a safety net or mesh 622, and a stabilizing assembly 624. Portability is enhanced by complete collapsing of the inflatable device.

Inventors

ESSIG JOHN R JR

ESSIG JAMES M

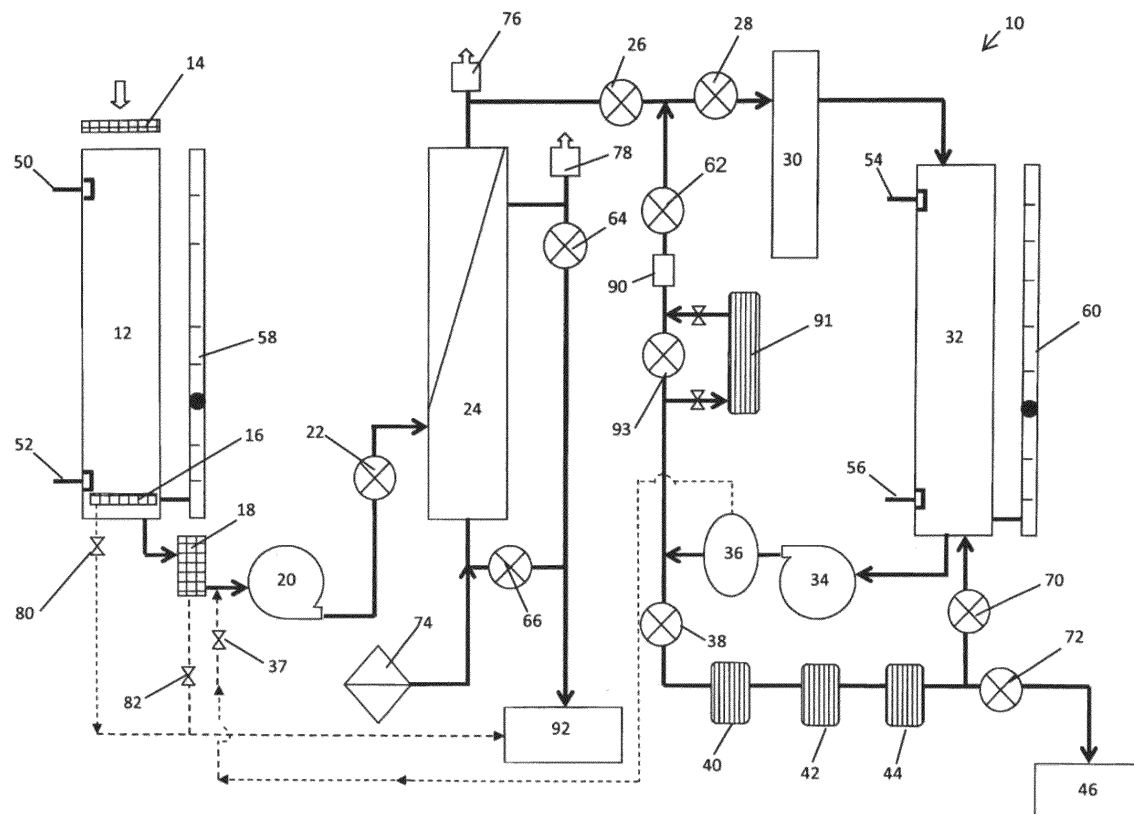
Family 19/25 - FAMPAT - ©Questel

Title

(US8808537)

Self-contained transportable **water** treatment system

Images

**Publication data including kind & date**

US8808537

B1 2014-08-19

US8808537

**Abstract**

(US8808537)

A **portable** self-contained **water** treatment system. A raw **water** tank is provided which can be filled by a pump or by manually pouring dirty **water** into it. The raw **water** tank can also act as a chemical pre-treatment tank such that one or more pre-treatment chemicals can be added to the **water** contained therein.

Inventors

LIVINGSTON EDDIE CARL

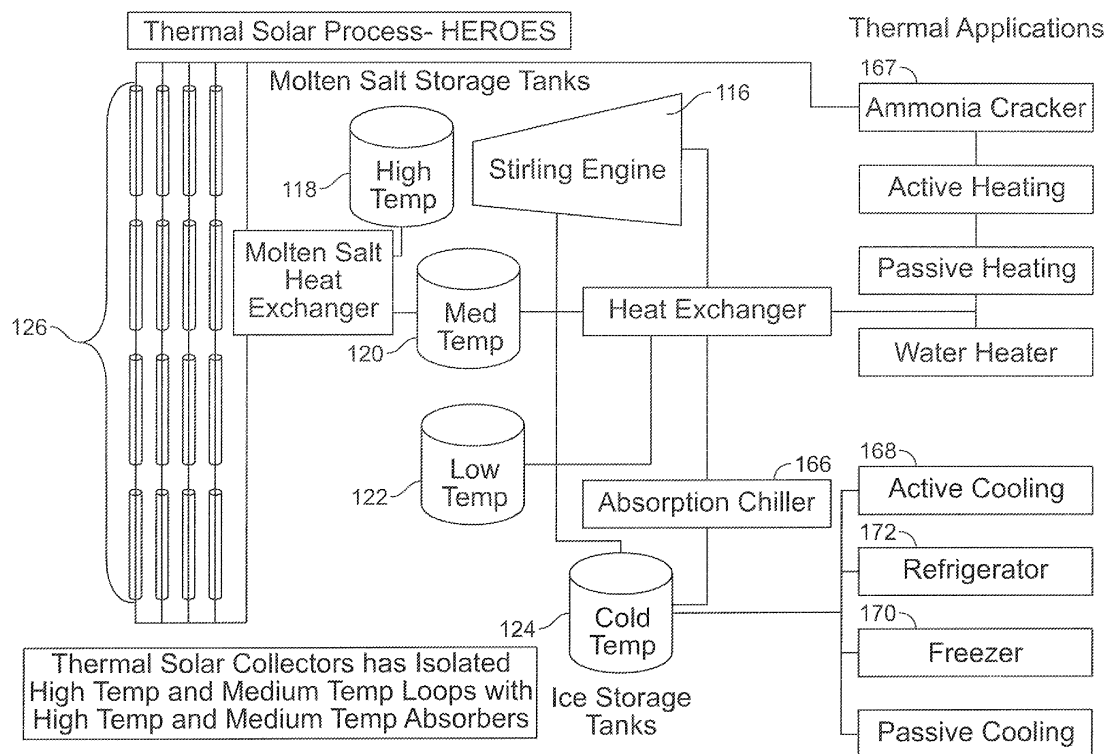
Family 20/25 - FAMPAT - ©Questel

Title

(EP2955372)

Quintuple-effect generation multi-cycle hybrid renewable energy system with integrated energy provisioning, storage facilities and amalgamated control system

Images



Publication data including kind & date

CA2930794	A1	2014-05-22	CA2930794
WO2014078659	A2	2014-05-22	WO201478659
US2014174080	A1	2014-06-26	US20140174080
WO2014078659	A3	2015-07-02	WO201478659
AU2015203118	A1	2015-07-09	AU2015203118
CN104919144	A	2015-09-16	CN104919144
EP2920432	A2	2015-09-23	EP2920432
CA2891435	A1	2015-12-11	CA2891435
EP2955372	A2	2015-12-16	EP2955372
JP2016000995	A	2016-01-07	JP2016000995
CN105257425	A	2016-01-20	CN105257425
JP2016503477	A	2016-02-04	JP2016503477
EP2955372	A3	2016-06-29	EP2955372
HK1218148	A1	2017-02-03	HK1218148
US9624913	B2	2017-04-18	US9624913
BR112015011248	A1	2017-05-23	BR112015011248
AU2017204250	A1	2017-07-13	AU2017204250
US2017204806	A1	2017-07-20	US20170204806
BR112015011248	A2	2017-12-19	BR112015011248



Abstract

(EP2955372)

Provided is a consumer to industrial scale renewable energy based quintuple-generation systems and energy storage facility. The present invention has both mobile and stationary embodiments. The present invention includes energy recovery, energy production, energy processing, pyrolysis, byproduct process utilization systems, separation process systems and handling and storage systems, as well as an open architecture for integration and development of additional processes, systems and applications. The system of the present invention primarily uses adaptive metrics, biometrics and thermal imaging sensory analysis (including additional input sensors for analysis) for monitoring and control with the utilization of an

integrated artificial intelligence and automation control system, thus providing a balanced, environmentally-friendly ecosystem.

Inventors

FRIESTH KEVIN LEE

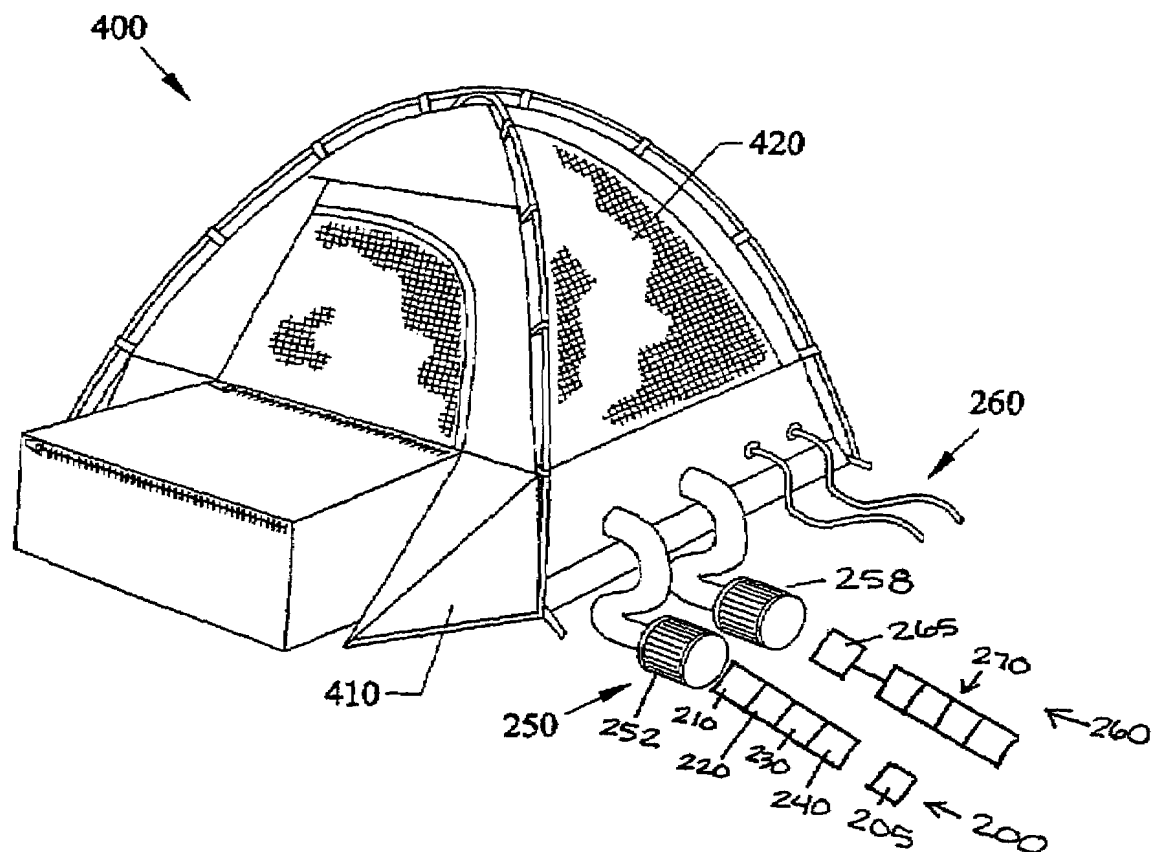
Family 21/25 - FAMPAT - ©Questel

Title

(US7481234)

Bio-hazzard attack family survival dome

Images



Publication data including kind & date

[US7481234](#)

B1 2009-01-27 US7481234



Abstract

(US7481234)

A family protective shelter which can be erected quickly inside in a home living room, family room, patio, or on an outside lawn area. This dome tent enclosure is designed of clear plastic sheet material which is impervious to gases used to conduct chemical warfare (such as nerve gas, mustard gas, serin, cyanide, and the like) dispersed biohazard aerosol compounds (such as anthrax, smallpox, polio, bacteria, viruses, or fungi), or other atmospheric toxins, such as those from a nuclear fallout. This protective "pop-up", external frame enclosure will be sized to house at least two adults comfortably (6x9x7 high inside, up to about 10x18'x7' high), will incorporate a zip-lock entrance/egress isolation portal chamber, and will communicate to the outside world through combat gas mask filters, plus phone, computer and electrical outlet feed-through, and perhaps a **water** trap coupling. The invention can keep a family of 1 to 10 (with a larger size) relatively isolated and safe from the harmful effects of a chemical biohazard, or nuclear fallout enemy attack for a matter of hours up to several days. The portal chamber can also connect together additional modules.

Inventors

GUSTAFSON MARTIN K

FLINCHBAUGH DAVID E

DITTMANN DOUGLAS W

GOZDENOVICH MARTIN

EPLEY D MICHAEL

Latest standardized assignees - inventors removed

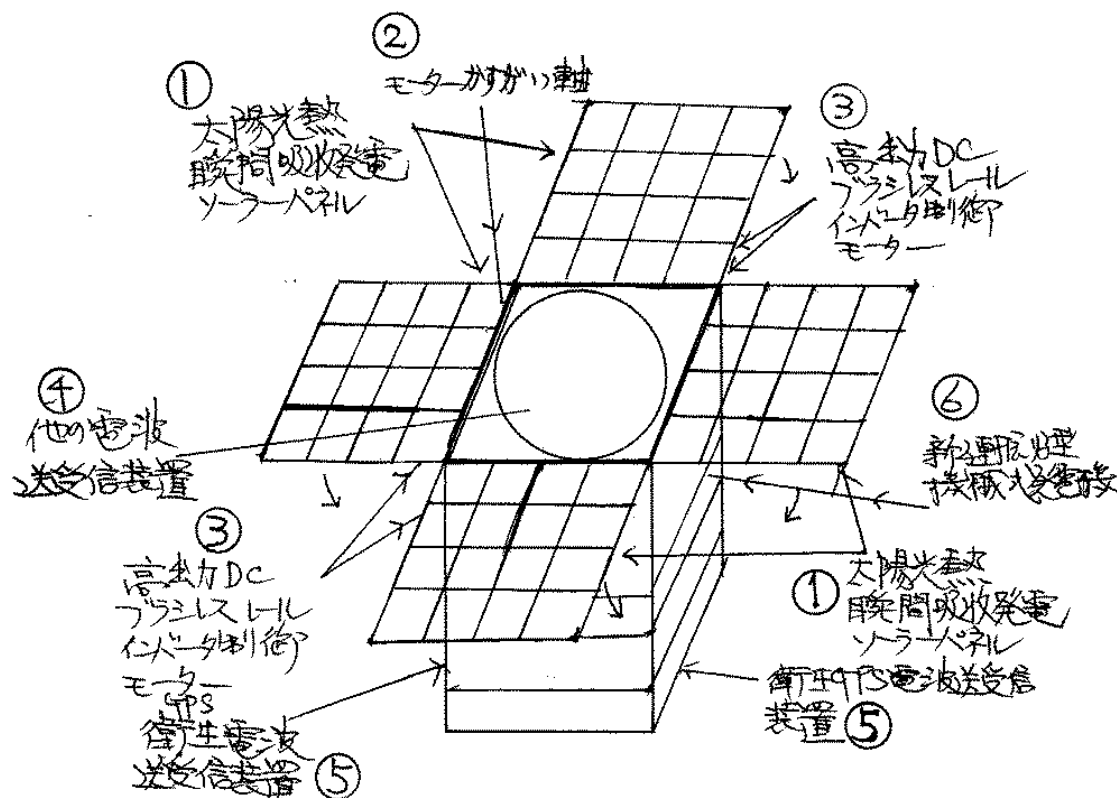
BIODOME

Family 22/25 - FAMPAT - ©Questel

Title

(JP2011155267)

Ultra-light high-power generating artificial satellite

Images**Publication data including kind & date**

JP2011155267

A

2011-08-11

JP2011155267

**Abstract**

(JP2011155267)

PROBLEM TO BE SOLVED: To solve a problem that since an artificial satellite manufactured using conventional artificial satellite technologies generates low power, there has been no choice but to launch ultra-compact artificial satellites in a plurality of separate times, conventional electric circuits cannot reduce power consumption, a large amount of technological development cost is still required, and a usage charge for an off-patent GPS affects product prices, hindering a price decline below 10,000 yen even now.

SOLUTION: The invention provides the most novel technology for manufacturing a light and high-power generating artificial satellite. The artificial satellite manufactured using the novel technology includes: a new ultra-light double-pendulum type mechanical generator; a high-power solar panel; a high-power generating circuit; and a high-power converter for instantaneously converting heat into magnetoelectricity. The invention aims at launching a slightly larger artificial satellite while reducing the number of times for the launching.

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Inventors

SONNO KAZUO

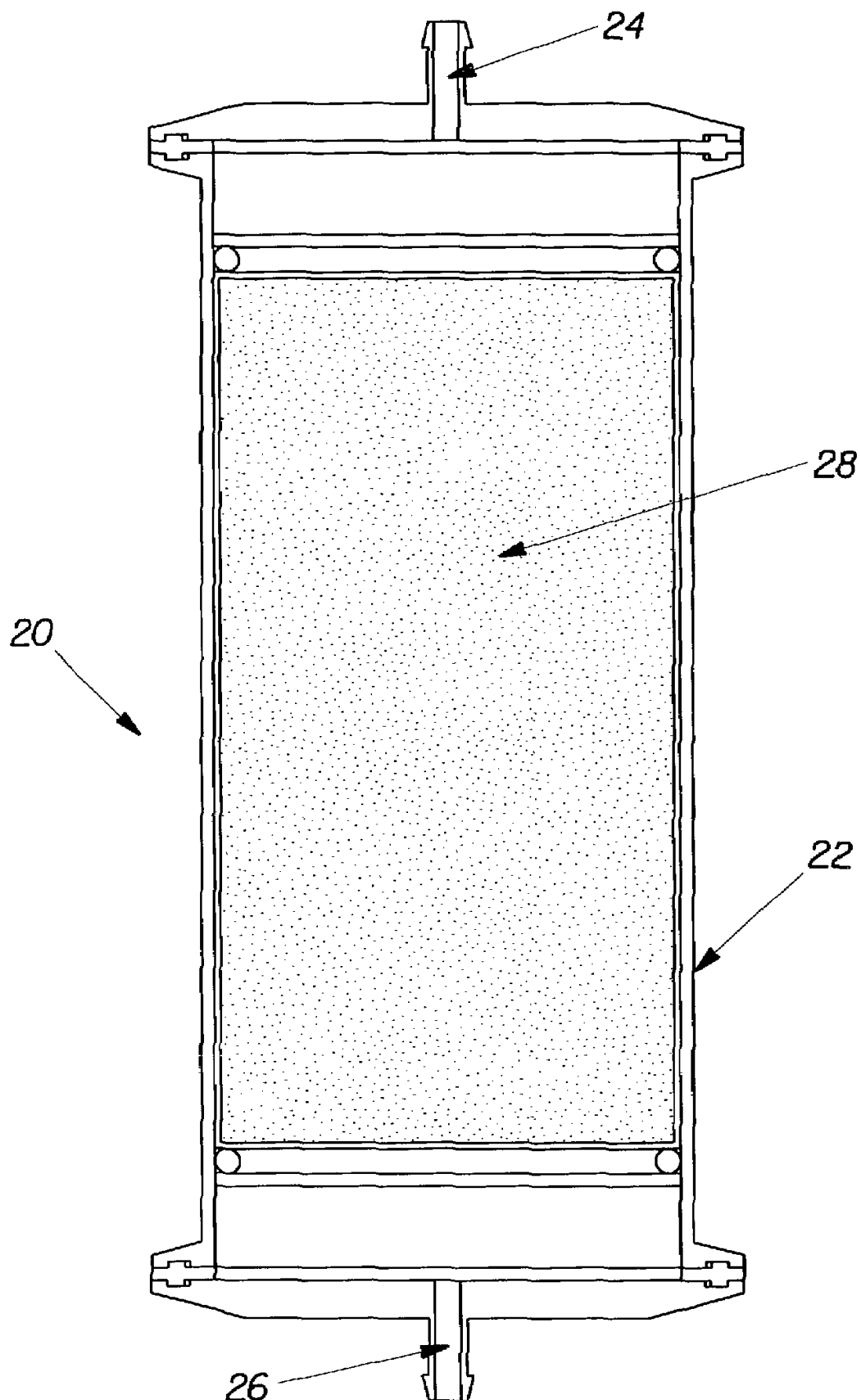
Family 23/25 - FAMPAT - ©Questel

Title

(EP1594805)

Water filter materials, corresponding **water** filters and processes for using the same

Images

**Publication data including kind & date**

US2003217967	A1	2003-11-27	US20030217967
US2003217963	A1	2003-11-27	US20030217963
US2004129617	A1	2004-07-08	US20040129617
WO2004076361			



	A1	2004-09-10	WO200476361				
CA2516577	A1	2004-09-10	CA2516577				
AU2003213230	A1	2004-09-17	AU2003213230				
MXPA05008865	A	2005-10-05	MX2005PA008865				
KR20050102651	A	2005-10-26	KR20050102651				
EP1594805	A1	2005-11-16	EP1594805				
RU2005126482	A	2006-01-27	RU2005126482				
BR0318103	A	2006-02-07	BR200318103				
BRPI0318103	A1	2006-02-07	BRPI0318103				
CN1738771	A	2006-02-22	CN1738771				
JP2006513847	A	2006-04-27	JP2006513847				
KR100777951	B1	2007-11-28	KR100777951				
RU2314142	C2	2008-01-10	RU2314142				
CN100363269	C	2008-01-23	CN100363269C				
AU2003213230	B2	2008-07-10	AU2003213230				
IN3230/DELNP/2005	A	2009-03-20	IN2005DN03230				
CA2516577	C	2009-04-07	CA2516577				
US2009230061	A1	2009-09-17	US20090230061				
US7615152	B2	2009-11-10	US7615152				
US7614506	B2	2009-11-10	US7614506				
US7740765	B2	2010-06-22	US7740765				
IN241152	B	2010-06-25	IN-241152				
BRPI0318103	A2	2011-05-17	BR200318103				
BR0318103	B1	2012-02-22	BR200318103				
MX298014	B	2012-04-11	MX-298014				
EP1594805	B1	2012-06-13	EP1594805				
ES2389180	T3	2012-10-23	ES2389180				

Abstract

(EP1594805)

A filter for providing potable **water** is provided. The filter includes a housing having an inlet and an outlet, a filter material disposed within the housing, the filter material formed at least in part from a plurality of mesoporous, basic, and reduced-oxygen activated carbon filter particles.

Inventors

MITCHELL MICHAEL DONOVAN

COLLIAS DIMITRIS IOANNIS

BJORKQUIST DAVID WILLIAM

ZAVERI PIYUSH NARENDRA

WOOLLEY MATTHEW MORGAN

WEHMEIER THOMAS JOSEPH

Latest standardized assignees - inventors removed

HELEN OF TROY

Family 24/25 - FAMPAT - ©Questel

Title

(EP2059899)

Genius adaptive design

Images

file= via (internet)= recipient receives=

Publication data including kind & date

WO2007081519	A2	2007-07-19	WO200781519				
CA2635954	A1	2007-07-19	CA2635954				
AU2006335151	A1	2007-07-19	AU2006335151				
WO2007081519	A8	2007-11-01	WO200781519				
WO2007081519	A8	2008-06-12	WO200781519				
AP200804559	A0	2008-08-31	AP200804559				
AP200804559	D0	2008-08-31	AP200804559				
KR20080112193	A	2008-12-24	KR20080112193				
MX2008008625	A	2009-01-07	MX2008008625				
EP2059899	A2	2009-05-20	EP2059899				
JP2009522654	A	2009-06-11	JP2009522654				
IL192465	A	2009-09-22	IL-192465				
IN6638/DELNP/2008	A	2010-05-07	IN2008DN06638				
CO6160255	A2	2010-05-20	CO6160255				
NZ570109	A	2011-08-26	NZ-570109				
EP2059899	A4	2012-07-04	EP2059899				
KR20130124572	A	2013-11-14	KR20130124572				

Abstract

(EP2059899)

Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative I.P. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

Inventors

KAYS STEVEN

Latest standardized assignees - inventors removed

KAYS STEVEN

Family 25/25 - FAMPAT - ©Questel

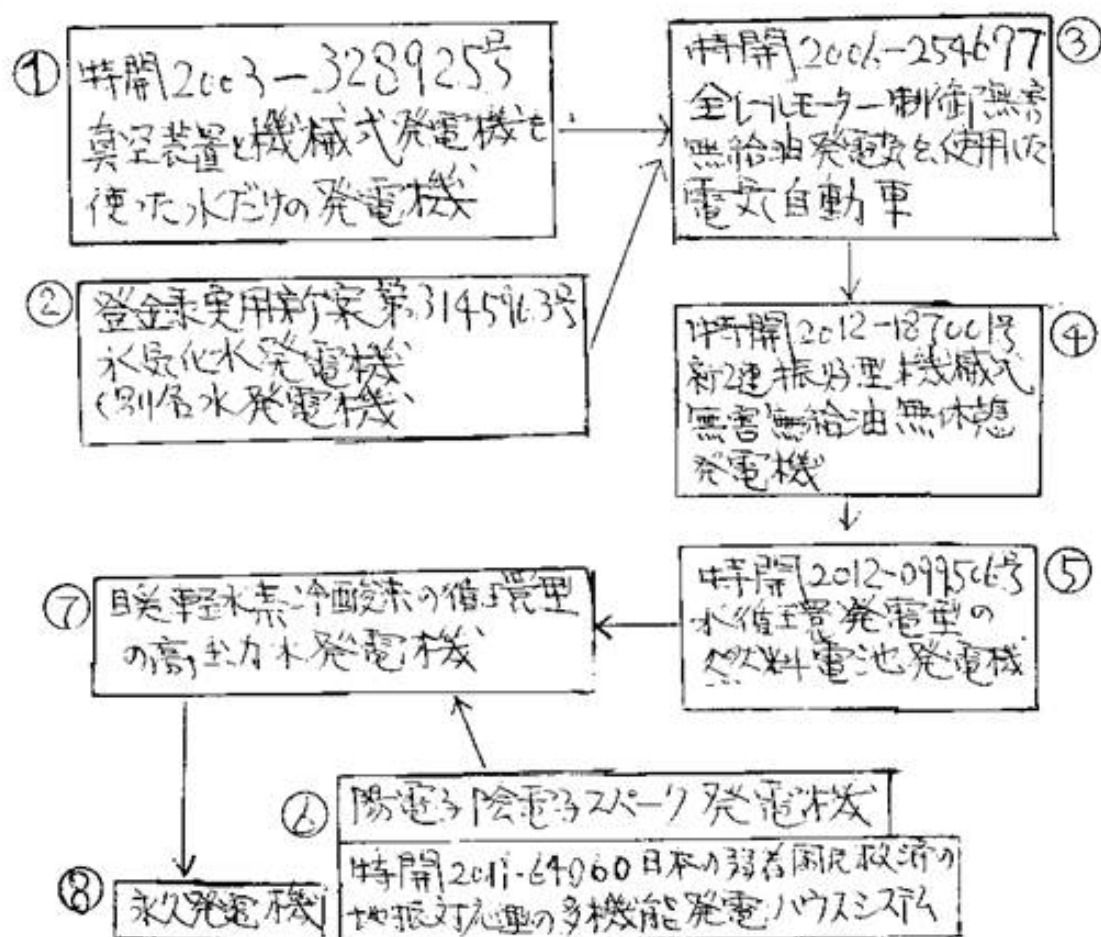
Title

(JP2016106294)

Fully automatic robot household electric system appliance

Images

図1



Publication data including kind & date

JP2016106294

A 2016-06-16

JP2016106294



Abstract

(JP2016106294)

PROBLEM TO BE SOLVED: To further develop an electricity consecutive amplification power generator and a fully automatic robot household electric appliance for a perpetual-motion machine. SOLUTION: The invention provides robot time traffic machine computer fully automatic speech recognition, gesture camera recognition and finger/picture writing gesture recognition of a fully automatic robot household electric appliance. The invention also provides fully automatic input type human fully automatic speech recognition, gesture camera recognition and finger/picture writing gesture recognition of an emergency rescue communication household electric appliance. The invention also provides an emergency rescue communication household electric appliance data recording re-recognition and re-check type and care center communication confirmation type robot intelligence learning type time traffic machine computer fully automatic robot household electric appliance. SELECTED DRAWING: Figure 1

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