

14 Documents

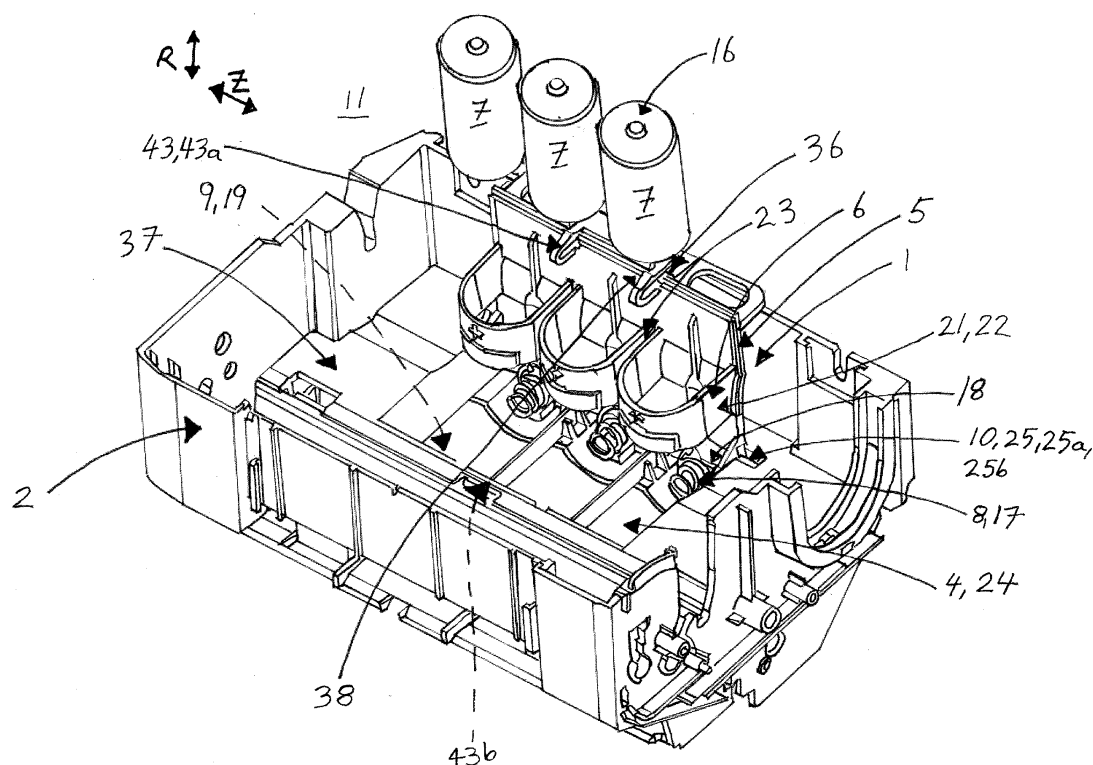
Publication numbers	Title	Current assignees
WO201672896 A1	A battery compartment, an electronically driven dispensing unit and a dispenser	SCA HYGIENE PRODUCTS
CA2837982 A1	Battery exchange station	CHARGE PEAK
US20140066928 A1	Battery pack attached to a cable	GYRUS ACMI
EP2839804 A2	Error detection arrangements for surgical instrument assemblies	ETHICON
WO9918628 A1	Metal-air fuel cell battery systems employing moving anode and cathode structures	REVEO
US20050205381 A1	Transmission clutches	CHRYSLER GLOBAL ELECTRIC MOTORCARS, ...
EP1582330 A2	Power take off for cordless nailer	BLACK & DECKER
US20100328098 A1	System and method for orthopedic load and location sensing	ORTHOSENSOR
WO200821476 A2	Lightweight audio system for automotive applications and method	DELPHI TECHNOLOGIES
US20070028781 A1	Device to efficiently cook food	RON S ENTERPRISES
CN1576740 A	Constituting method and equipment for overall cooling and heating installation	LAI YONG
US20050120715 A1	Heat energy recapture and recycle and its new applications	CHRISTIAN SCHOOL OF TECHNOLOGY
JP2012056558 A	Power-up hybrid vehicle	TARUNO KAZUO
CN104719096 A	High-performance anti-dirt swing sprinkler and water saving method	NINGBO DAYE GARDEN SCIENCE

Family 1/14 - FAMPAT - ©Questel

Title

(EP3214987)

A battery compartment, an electronically driven dispensing unit and a dispenser

Images**Publication data including kind & date**

WO2016072896	A1	2016-05-12	WO201672896
AU2014410779	A1	2017-04-27	AU2014410779
MX2017005847	A	2017-06-27	MX2017005847
AU2014410779	B2	2017-07-13	AU2014410779
CN107072447	A	2017-08-18	CN107072447
EP3214987	A1	2017-09-13	EP3214987
US2017319020	A1	2017-11-09	US20170319020

**Abstract**

(EP3214987)

The invention relates to a battery compartment (1) for an electronically driven dispensing unit (2). The battery compartment (1) comprises an electronic unit (3) and a battery holding unit (5) having a fixed second structure (6) adapted to receive and contain at least two cylindrical batteries (7) side by side. The first structure (4) comprises a first electrical connection (8) and the second structure (6) comprises a second electrical connection (9) positioned opposite each other. The second structure (6) is rotatably connected to the first structure (4) via a joint (10) allowing rotation between a first open position (11) in which the batteries (7) are loaded or unloaded in the battery holding unit (5) and a closed position (12) in which loaded batteries (7) are connected to the first and second electrical connections (8, 9) via spring action and movement of the batteries in the **loading** direction (R, Z).

Inventors

KLING ROBERT

HENRIKSSON BJÖRN

US2011303509	A1	2011-12-15	US20110303509				
AT533674	T	2011-12-15	ATE533674				
EP2397383	A1	2011-12-21	EP2397383				
JP2012006591	A	2012-01-12	JP2012006591				
US2012009804	A1	2012-01-12	US2012009804				
JP2012503470	A	2012-02-02	JP2012503470				
PT2231447	E	2012-02-22	PT2231447				
EP2420418	A1	2012-02-22	EP2420418				
DK2231447	T3	2012-03-05	DK2231447T				
ES2377804	T3	2012-04-02	ES2377804				
US8164300	B2	2012-04-24	US8164300				
IL218547	A	2012-04-30	IL-218547				
HRP20120057	T1	2012-04-30	HRP20120057				
SI2231447	T1	2012-07-31	SI2231447T				
IL220780	A	2012-08-30	IL-220780				
AU2009293024	B2	2012-08-30	AU2009293024				
EP2335106	B1	2013-03-27	EP2335106				
EP2420418	B1	2013-04-17	EP2420418				
US8454377	B2	2013-06-04	US8454377				
EP2340951	B1	2013-06-19	EP2340951				
DK2335106	T3	2013-06-24	DK2335106T				
EP2607192	A2	2013-06-26	EP2607192				
IL211711	B	2013-06-27	IL-211711				
DK2420418	T3	2013-07-29	DK2420418T				
HK1166292	A1	2013-08-23	HK1166292				
US8517132	B2	2013-08-27	US8517132				
DK2340951	T3	2013-09-23	DK2340951T				
EP2607192	A3	2013-10-30	EP2607192				
IL211777	B	2014-02-27	IL-211777				
CA2736889	C	2014-03-18	CA2736889				
JP5443448	B2	2014-03-19	JP5443448				
CN102202944	B	2015-01-28	CN102202944B				
CN102203651	B	2015-02-11	CN102203651B				
JP2015028939	A	2015-02-12	JP2015028939				
HK1160935	A1	2015-08-21	HK1160935				
HK1160820	A1	2015-11-20	HK1160820				
CY1112532	T1	2015-12-09	CY1112532				
AU2009293022	B2	2016-02-25	AU2009293022				
JP5882414	B2	2016-03-09	JP5882414				
CA2737620	C	2016-10-25	CA2737620				

Abstract

(EP2607192)

A method of exchanging a battery in an at least partially electric vehicle comprises removing a first battery from a cavity in an underside of an at least partially electric vehicle, inserting the second battery into the cavity in the underside of the at least partially electric vehicle, temporarily storing at least one of said first and second batteries in a standby location (1308) during said exchange process to thereby reduce a time duration required for said exchange process.

Inventors

AGASSI SHAI

HEICHAL YOAV

Latest standardized assignees - inventors removed

CHARGE PEAK

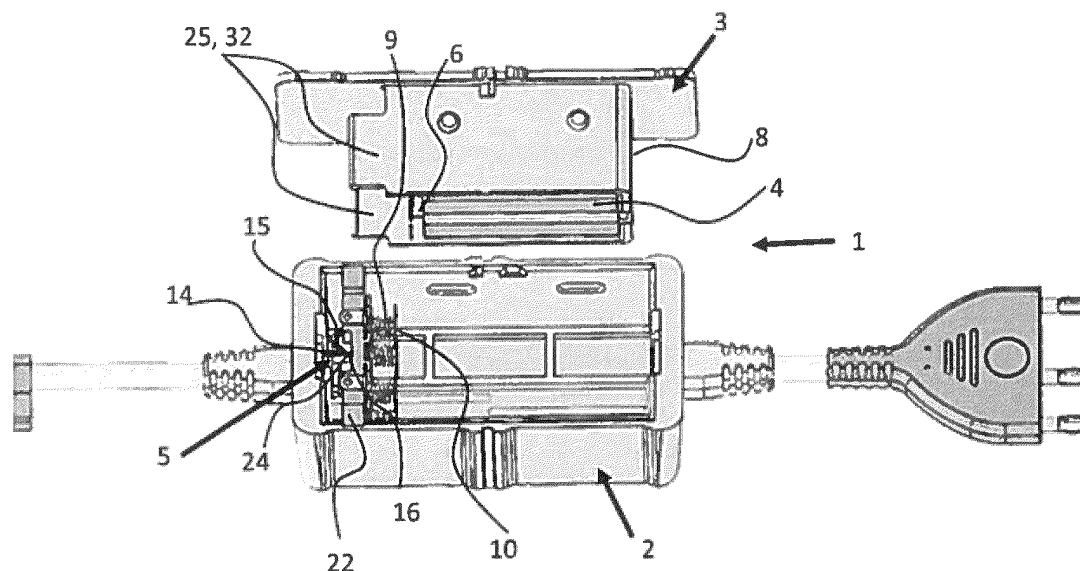
Family 3/14 - FAMPAT - ©Questel

Title

(EP2820691)

Battery pack attached to a cable

Images



Publication data including kind & date

US2014066928	A1	2014-03-06	US20140066928				
US2014065459	A1	2014-03-06	US20140065459				
WO2014036118	A1	2014-03-06	WO201436118				
WO2014036126	A1	2014-03-06	WO201436126				
EP2820691	A1	2015-01-07	EP2820691				
EP2820690	A1	2015-01-07	EP2820690				
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CN104335385	A	2015-02-04	CN104335385				
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US2015236332	A1	2015-08-20	US20150236332				
US9118057	B2	2015-08-25	US9118057				
JP2015527711	A	2015-09-17	JP2015527711				
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US2015320474	A1	2015-11-12	US20150320474				
JP5855797	B2	2016-02-09	JP5855797				
EP2820691	B1	2016-04-06	EP2820691				
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US9486268	B2	2016-11-08	US9486268				
JP6074034	B2	2017-02-01	JP6074034				
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US9692036	B2	2017-06-27	US9692036				

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EP3225190	A2	2017-10-04	EP3225190				
US9808249	B2	2017-11-07	US9808249				
EP3225190	A3	2017-11-15	EP3225190				
EP3251610	A1	2017-12-06	EP3251610				

US2018055513	A1	2018-03-01	US20180055513				
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US2018064440	A1	2018-03-08	US20180064440				
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RU2016110411	A3	2018-04-27	RU2016110411				
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US2018125488	A1	2018-05-10	US20180125488				
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RU2016110396	A3	2018-05-16	RU2016110396				
CN105658149	B	2018-05-25	CN105658149B				
US2018146960	A1	2018-05-31	US20180146960				
US9987006	B2	2018-06-05	US9987006				

Abstract

(EP3251610)

A surgical instrument system can comprise an end effector comprising, one, stored data regarding parameters of the end effector and, two, a stored checksum. The system can further comprise a surgical instrument which can comprise means for ascertaining the stored data and the stored checksum, calculating a calculated checksum using the stored data, and comparing the calculated checksum to the stored checksum, wherein the surgical instrument is configured to generate an error response if the calculated checksum does not match the stored checksum. An end effector can comprise a start bit, stored data regarding the end effector, and an end bit which can be transmitted to the surgical instrument. The surgical instrument can be configured to identify the start bit and the end bit and generate an error response if at least one of the start bit and the end bit are not identified.

Inventors

YATES DAVID C

SHELTON IV FREDERICK E

HOUSER KEVIN L

Latest standardized assignees - inventors removed

ETHICON

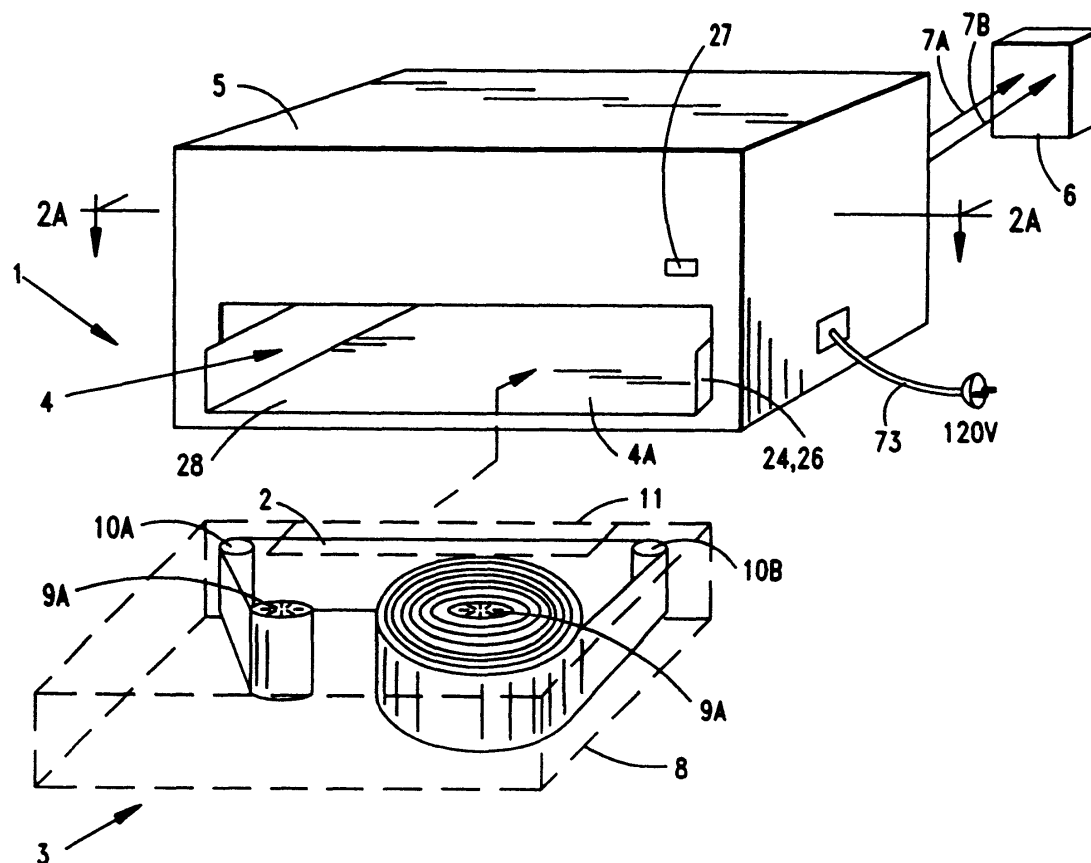
Family 5/14 - FAMPAT - ©Questel

Title

(EP1042824)

Metal-air fuel cell battery systems employing moving anode and cathode structures

Images



Publication data including kind & date

WO9918628	A1	1999-04-15	WO9918628
WO9918627	A1	1999-04-15	WO9918627
WO9918620	A2	1999-04-15	WO9918620
AU1698399	A	1999-04-27	AU9916983
AU9604098	A	1999-04-27	AU9896040
AU9691098	A	1999-04-27	AU9896910
WO9918620	A3	1999-06-03	WO9918620
EP1029384	A1	2000-08-23	EP1029384
EP1029383	A1	2000-08-23	EP1029383
EP1042824	A2	2000-10-11	EP1042824
CN1280712	A	2001-01-17	CN1280712
CN1280714	A	2001-01-17	CN1280714
CN1280713	A	2001-01-17	CN1280713
KR20010024436	A	2001-03-26	KR20010024436
KR20010030958	A	2001-04-16	KR20010030958
KR20010030968	A	2001-04-16	KR20010030968
US2001014416	A1	2001-08-16	US20010014416
US2001023036	A1	2001-09-20	US20010023036
US6296960	B1	2001-10-02	US6296960
JP2001519587	A	2001-10-23	JP2001519587
US6309771	B1	2001-10-30	US6309771
US6348277	B1	2002-02-19	US6348277
US6383673	B1	2002-05-07	US6383673
EP1042824	A4	2002-10-29	EP1042824
EP1029384	A4	2002-10-29	EP1029384



EP1029383	A4	2002-10-29	EP1029383
US6472093	B2	2002-10-29	US6472093
US6544678	B2	2003-04-08	US6544678
JP2003521796	A	2003-07-15	JP2003521796
JP2003521795	A	2003-07-15	JP2003521795
CN1148831	C	2004-05-05	CN1148831C
CN1538551	A	2004-10-20	CN1538551
KR100538636	B1	2005-12-23	KR100538636
CN1241286	C	2006-02-08	CN1241286C
KR100555152	B1	2006-03-03	KR100555152
KR100588756	B1	2006-06-13	KR100588756



Abstract

(EP1042824)

In an air-metal fuel cell battery system (1), metal-fuel tape (3), an ionically-conductive medium (2) and a cathode structure (4) are transported at substantially the same velocity at the locus of points at which the ionically-conductive medium contains the cathode structure and the metal-fuel tape during discharging and recharging modes of operation. In a first generalized embodiment of the present invention, the ionically-conductive medium is realized as an ionically-conductive belt, which is transported at substantially the same velocity as the metal-fuel tape and cathode structure at the locus of points where they are in contact. In a generalized second embodiment, the ionically-conductive medium is realized as a solid-state gel-like film layer integrated with the metal-fuel tape, which is transported at the same velocity as the cathode structure where they are in contact. In a third generalized embodiment, the ionically-conductive medium is realized as a solid-state film layer integrated with the movable cathode structure, which is transported at substantially the same velocity as the metal-fuel tape where they are in contact. By transporting the movable cathode structure, ionically-conductive medium and metal-fuel tape within the system as described above, generation of frictional forces among these components is minimized during the operation of the system, and damage to these components is reduced.

Inventors

FARIS SADEG M

TSAI TSEPIN

LEGBANDT THOMAS J

YAO WAYNE

CHEN MUGUO

Latest standardized assignees - inventors removed

REVEO

Family 6/14 - FAMPAT - ©Questel

Title

(US7810622)

Transmission clutches

Images

DE102005012434	A1	2005-11-03	DE102005012434				
DE102005012380	A1	2005-11-03	DE102005012380				
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Abstract

(US7810622)

A transmission includes first and second clutch members rotatable about the same axis. An axial groove is formed in one of the members to distribute lubricating fluid to the other member. Preferably, clutch plates with radial grooves extend between the clutch members. Fluid flows from the axial groove through the radial groove and across faces of the clutch plates to separate the plates during disengagement in order to minimize spin losses.

Inventors

FOSTER MICHAEL D

MOWATT JOEL E

KEMPF GREGORY W

RASZKOWSKI JAMES A

Latest standardized assignees - inventors removed

CHRYSLER GLOBAL ELECTRIC MOTORCARS

NEW CARCO ACQUISITION

FCA CORPORATION

GM GLOBAL TECHNOLOGY OPERATIONS

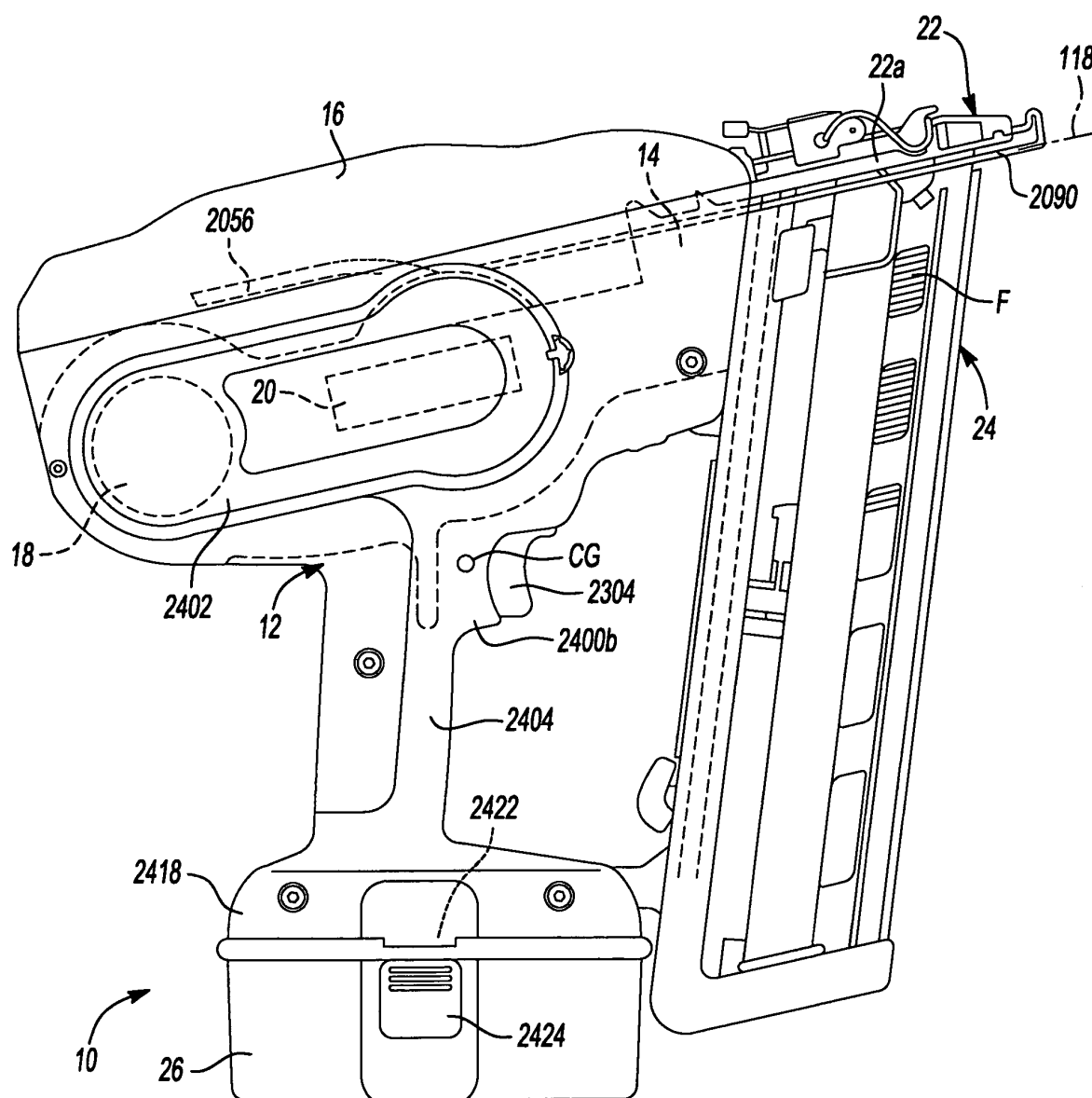
GENERAL MOTORS

Family 7/14 - FAMPAT - ©Questel

Title

(EP1916068)

Power take off for cordless nailer

Images**Publication data including kind & date**[EP1582330](#)

A2 2005-10-05 EP1582330

[EP1582311](#)

A2 2005-10-05 EP1582311



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Abstract

(EP1916068)

A power tool (10) that includes a structure; a flywheel (42) coupled to the structure; a driver (32) that is translatable along a driver axis (118); and a follower assembly having an actuator and an activation arm assembly. The actuator is coupled to the activation arm assembly. The activation arm assembly is coupled to the structure and includes a pinch roller. Actuation of the actuator causes the pinch roller to translate toward and engage the driver to initiate driving engagement between the

driver (32) and the flywheel (42).

Inventors

GROSS PAUL GERARD

KENNY JAMES JOHN

BRENDEL LEE MICHAEL

Latest standardized assignees - inventors removed

BLACK & DECKER

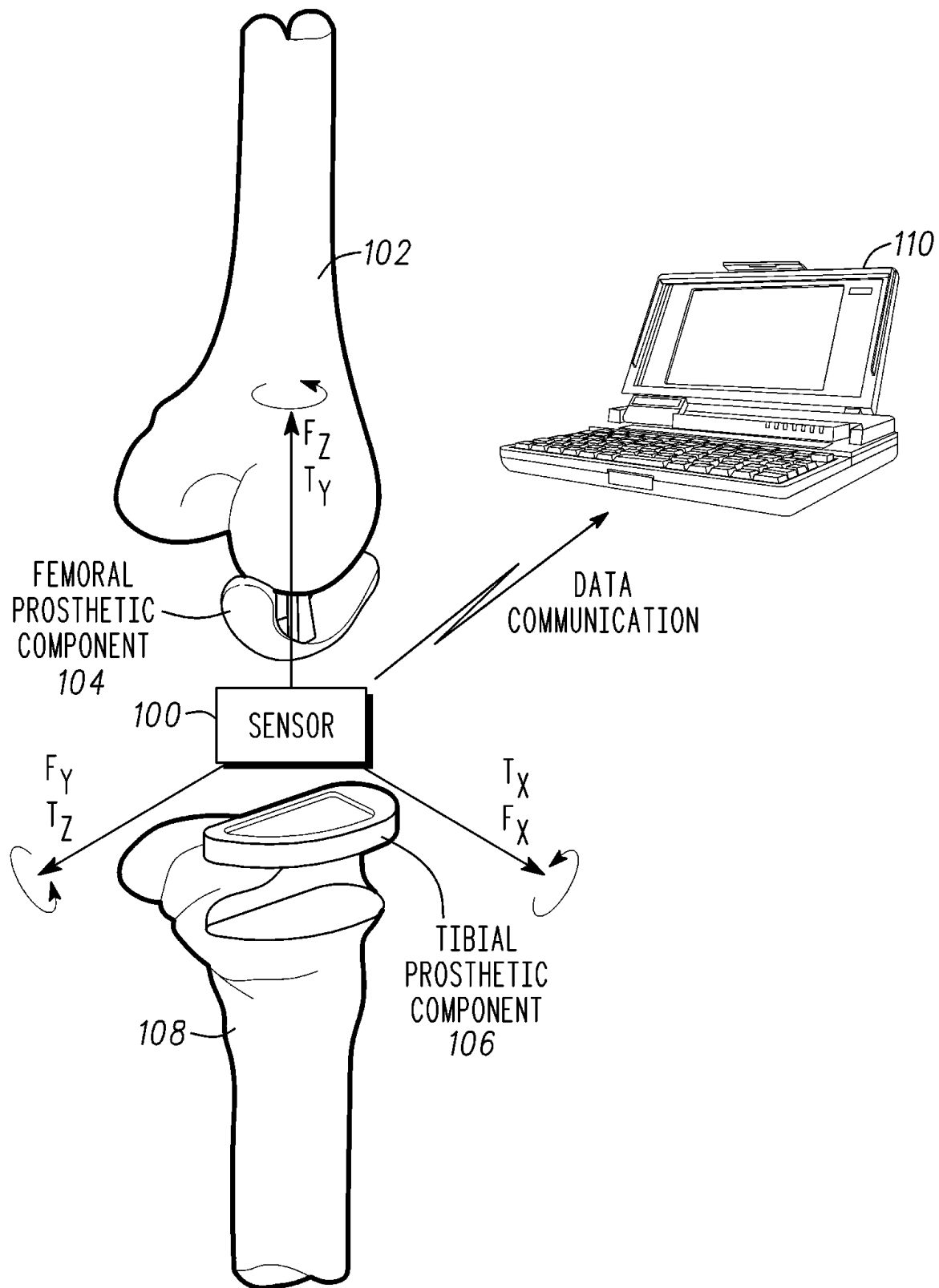
Family 8/14 - FAMPAT - ©Questel

Title

(WO201206066)

System and method for orthopedic load and location sensing

Images



Publication data including kind & date

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Abstract

(WO201206066)

A sensing insert device (100) is disclosed for measuring a parameter of the muscular-skeletal system. The sensing insert device (100) can be temporary or permanent. The sensing module (200) is a self-contained encapsulated measurement device having at least one contacting surface that couples to the muscular-skeletal system. The sensing module (200) comprises one or more sensing assemblages, electronic circuitry (307), an antenna (2302), and communication circuitry (320). The sensing assemblages are between a top plate (1502) and a bottom plate (1504) in a sensing platform (121). The sensing assemblages measure the parameter and comprise a load disc (2004) and a piezo-resistive sensor (2002). Three

sensing assemblages are coupled at predetermined positions to the top plate (1502).The sensing module (200) can measure a location where the parameter is applied to the top plate (1502).

Inventors

STEIN MARC

Latest standardized assignees - inventors removed

ORTHOSENSOR

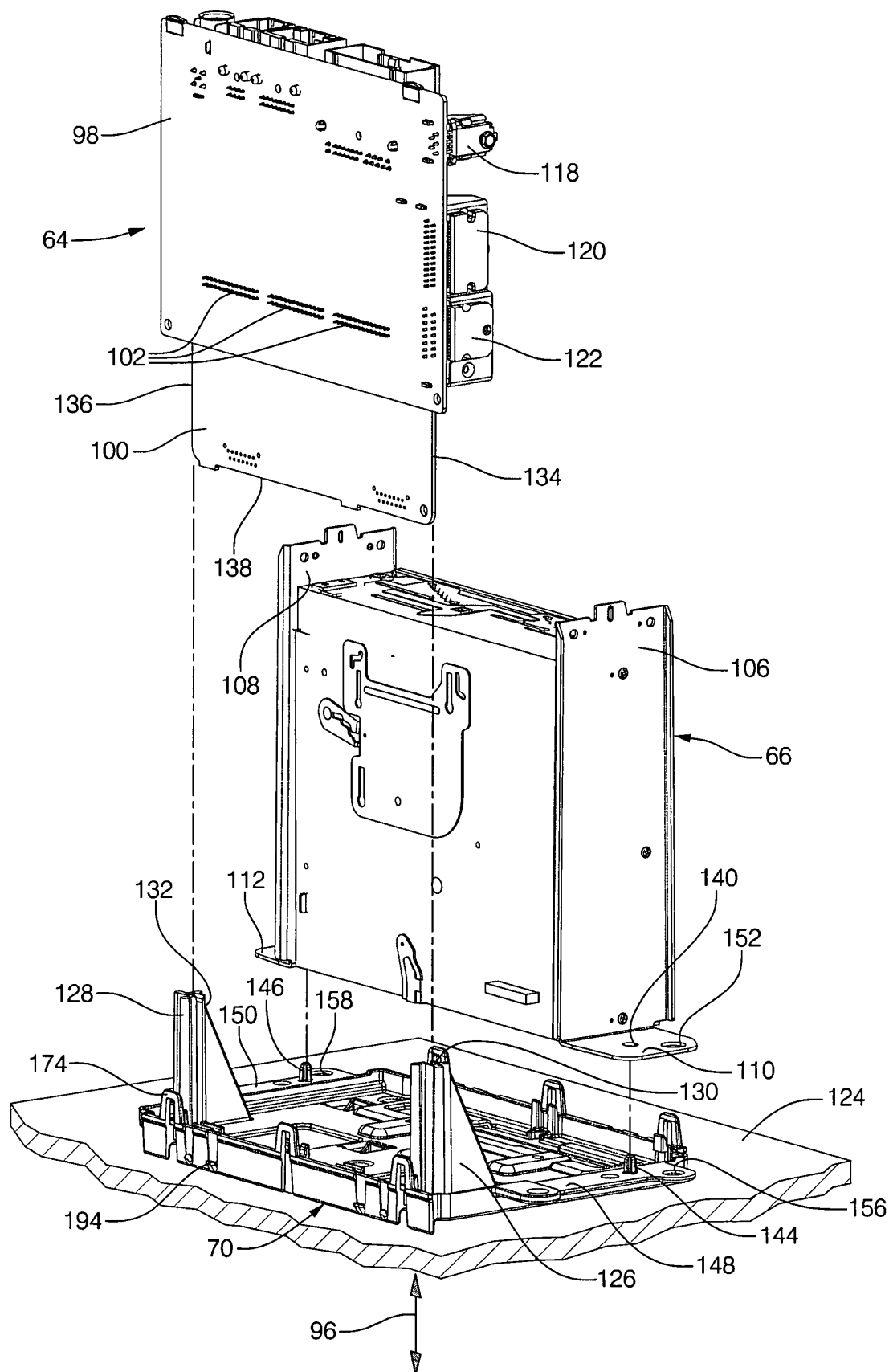
Family 9/14 - FAMPAT - ©Questel

Title

(EP2544375)

Lightweight audio system for automotive applications and method

Images



Publication data including kind & date

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Abstract

(EP2544375)

A lightweight radio/CD player for vehicular application is virtually "fastenerless" and includes a case and frontal interface formed of polymer based material that is molded to provide details to accept audio devices such as playback mechanisms (if desired) and radio receivers, as well as the circuit boards required for electrical control and display. The case and frontal interface are of composite structure, including an insert molded electrically conductive wire mesh screen that has been pre-formed to contour with the molding operation. The wire mesh provides EMC, RFI, BCI and ESD shielding and grounding of the circuit boards via exposed wire mesh pads and adjacent ground clips. The PCB architecture is bifurcated into a first board carrying common circuit components in a surface mount configuration suitable for high volume production, and a second board carrying application specific circuit components in a wave soldered stick mount configuration. The major components and subassemblies are self-fixturing during the final assembly process, eliminating the need for dedicated tools, fixtures and assembly equipment. The major components and subassemblies self-interconnect by integral guide and connection features effecting "slide lock" and "snap lock" self-interconnection. The radio architecture includes improved push buttons employing 4-bar living hinge linkage and front loaded decorative trim buttons.

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Latest standardized assignees - inventors removed

DELPHI TECHNOLOGIES

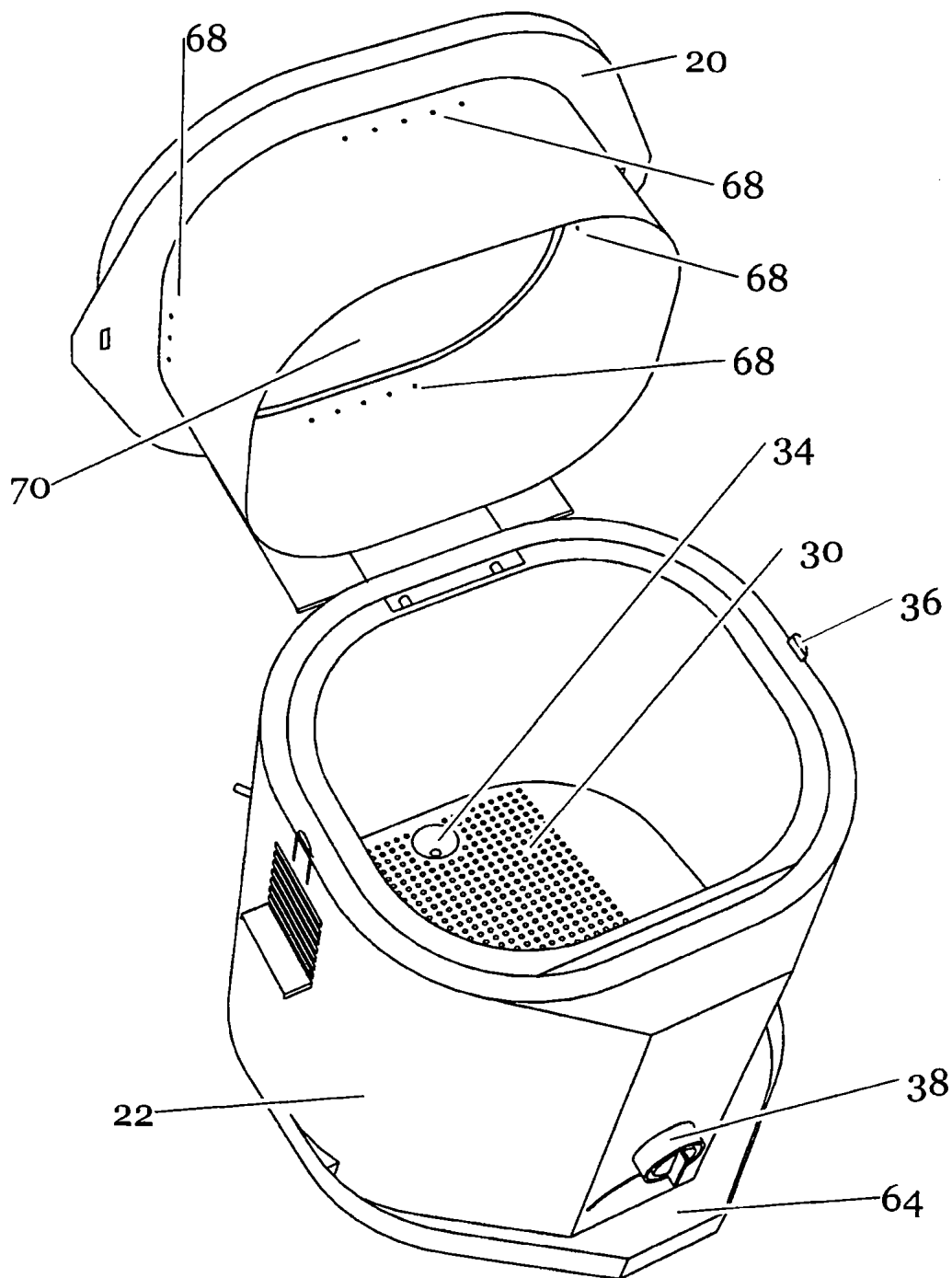
Family 10/14 - FAMPAT - ©Questel

Title

(EP2752141)

Device to efficiently cook food

Images



Publication data including kind & date

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Abstract

(EP2752141)

A deep fryer including a cooking vessel formed to simultaneously accept within it articles of food and frying oil, a heat source positioned to heat articles of food and frying oil within the cooking vessel, directions specifying a unitary food article to be cooked within the cooking vessel, the directions also specifying an amount of frying oil to be used to cook the specified unitary food article, the specified frying oil amount being of insufficient volume to fully immerse the specified unitary food article when the unitary food article is in cooking position, a support which is in constant contact with the unitary food article and does not move during cooking.

Inventors

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Latest standardized assignees - inventors removed

RON S ENTERPRISES

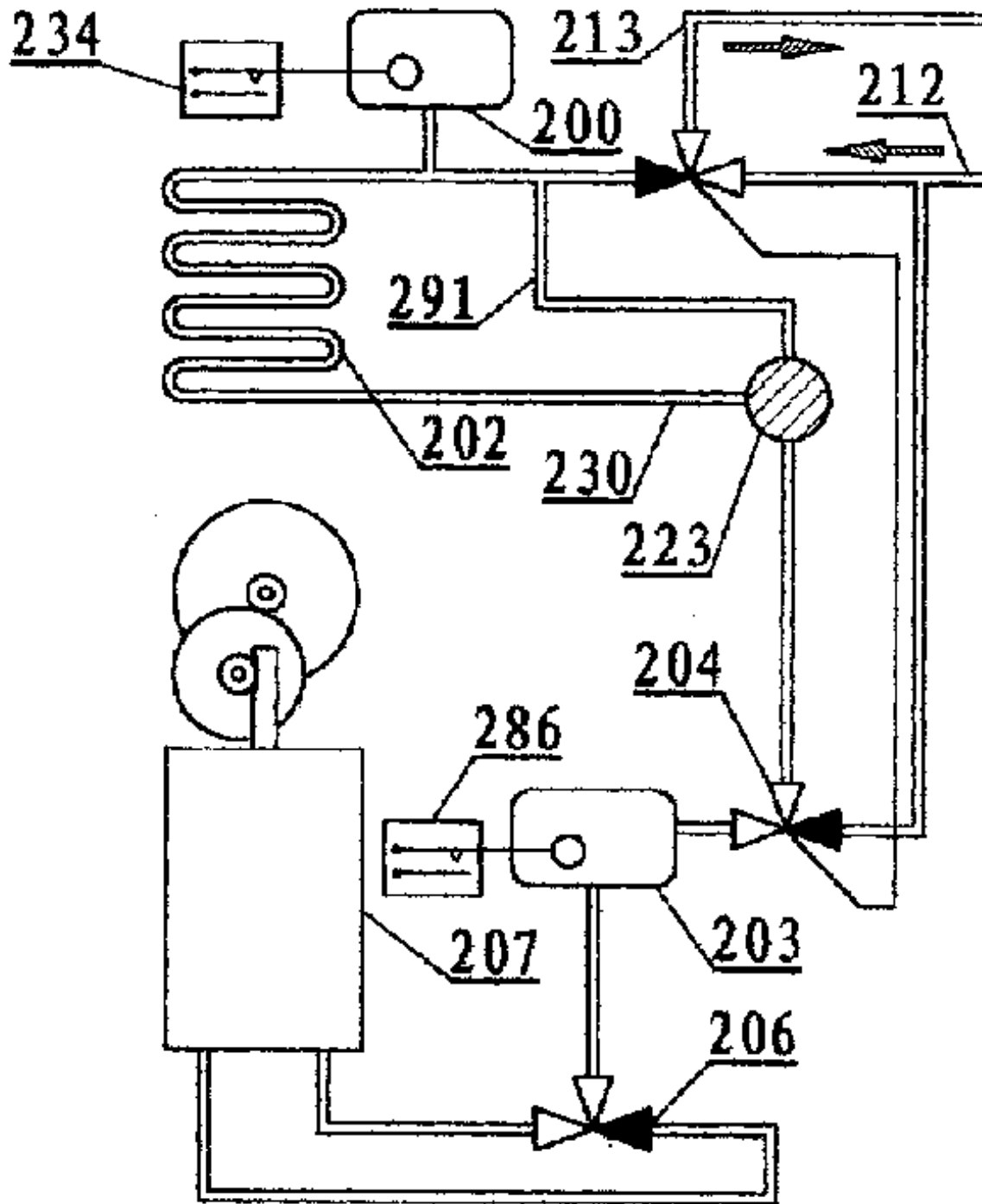
Family 11/14 - FAMPAT - ©Questel

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

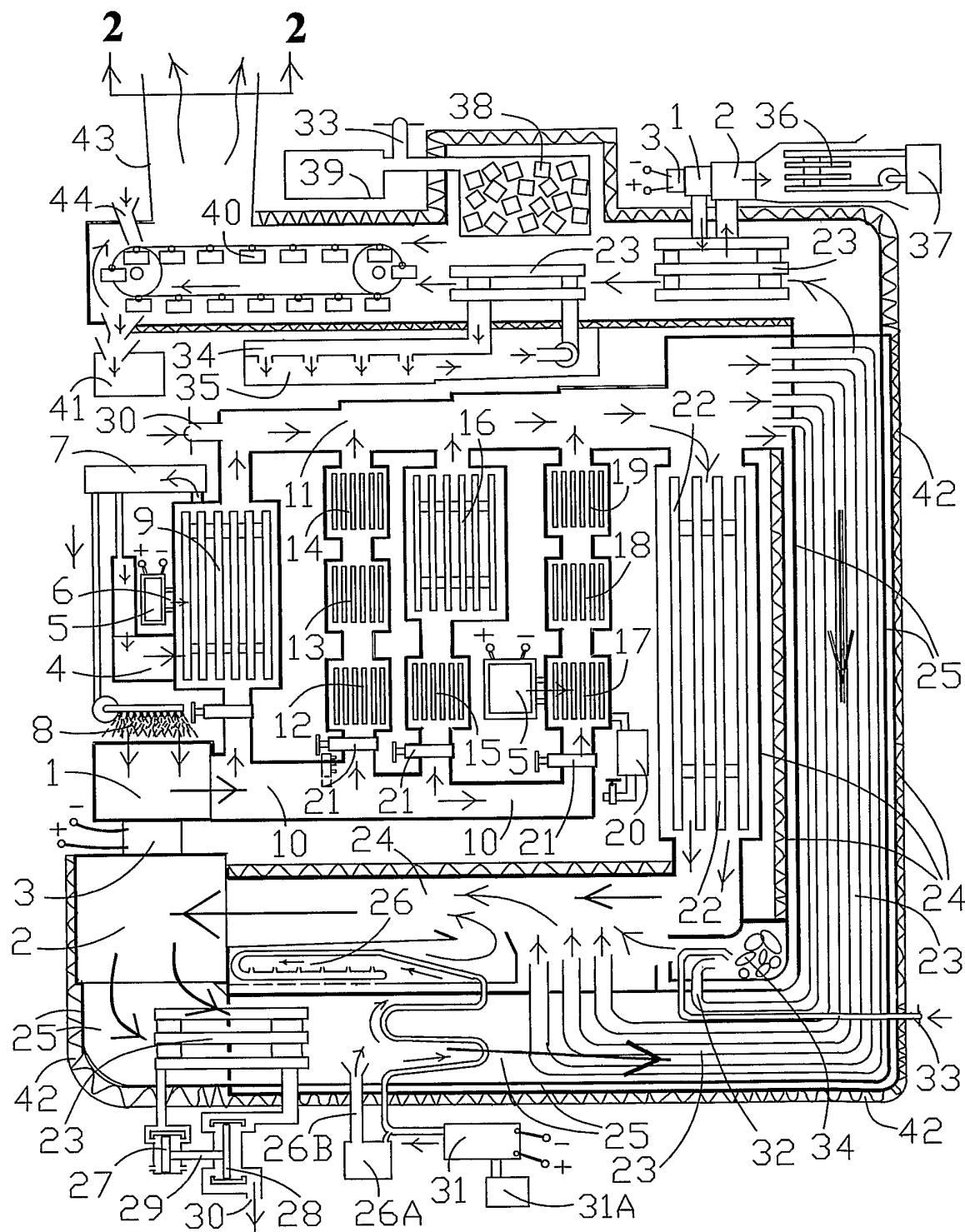
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Title

(EP1851418)

Heat energy recapture and recycle and its new applications

Images



Publication data including kind & date

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Abstract

(EP1851418)

A heat absorbing radiator and a gas turbine engine or a reciprocating piston engine are used to recapture and reconvert wasted heat energies into electric power and finally into hydrogen-deuterium fuel by having the engine's tailpipes submerged in cold compressed air inside the heat absorbing radiator pipes in reverse air flow to further drive the same engine. In order to capture fusion heat energy a hydrogen bomb is detonated in deep ocean to catch flames by water and the hot water energizes compressed air inside heat absorbing radiator pipes. In order to produce fusion energy an electric arc is passed across liquid or gaseous deuterium by an electro-plasma torch and a sparkplug in an internal combustion engine, or by detonating dynamite inside liquid deuterium. Diamond is produced by placing carbon inside a hydrogen bomb. Deuterium fusion flame is used first in smelting glass to large sizes before running an engine.

Inventors

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Latest standardized assignees - inventors removed

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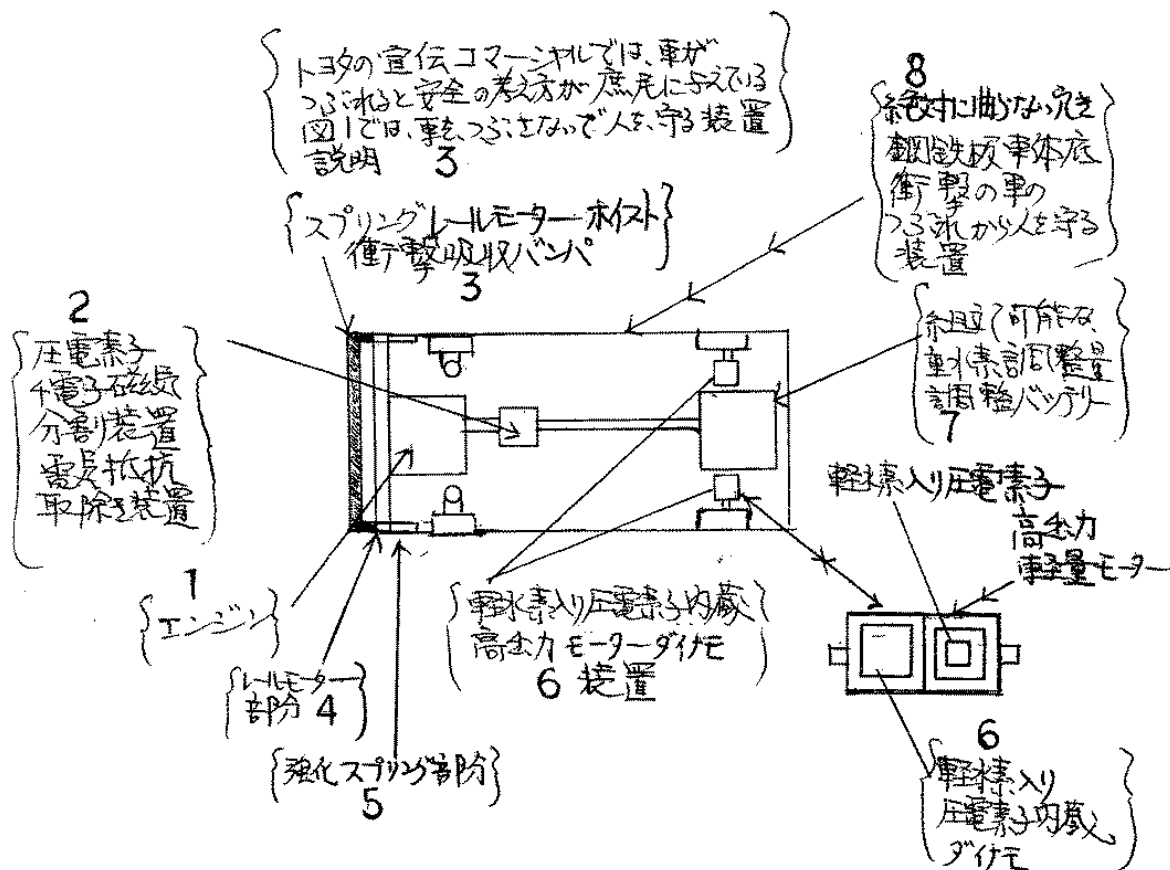
Family 13/14 - FAMPAT - ©Questel

Title

(JP2012056558)

Power-up hybrid vehicle

Images



Publication data including kind & date

JP2012056558

A 2012-03-22 JP2012056558



Abstract

(JP2012056558)

PROBLEM TO BE SOLVED: To solve problems of conventional hybrid techniques in which a hybrid vehicle can be moved only by burning fossil fuel in the dynamo power generation which is free from a light hydrogen nickel battery technique with minimized heavy hydrogen amount of a high-speed charger and a high-speed charging battery or the like, similarly to other hybrid technique which has only a general dynamo power generation technique. **SOLUTION:** There is provided the element technique using or containing light hydrogen tritium, capable of amplifying and generating electricity, such as: a carbon silicon solar panel containing light hydrogen tritium which hardly causes hydrogen explosion; a high-output dynamo with a light hydrogen-containing piezoelectric element magnet; an ultra-lightweight high-output motor with a built-in light hydrogen-containing piezoelectric magnet; a high-output electromagnet with a coil containing a built-in light hydrogen-containing piezoelectric element magnet; an electric heating panel with a tungsten metal-containing nichrome tube; an electric wire with a diode copper tube containing a light hydrogen-containing piezoelectric element magnet; and an imaging element technique such as a light hydrogen-containing photodiode and amplifier photodiode for cameras.

Inventors

SONNO KAZUO

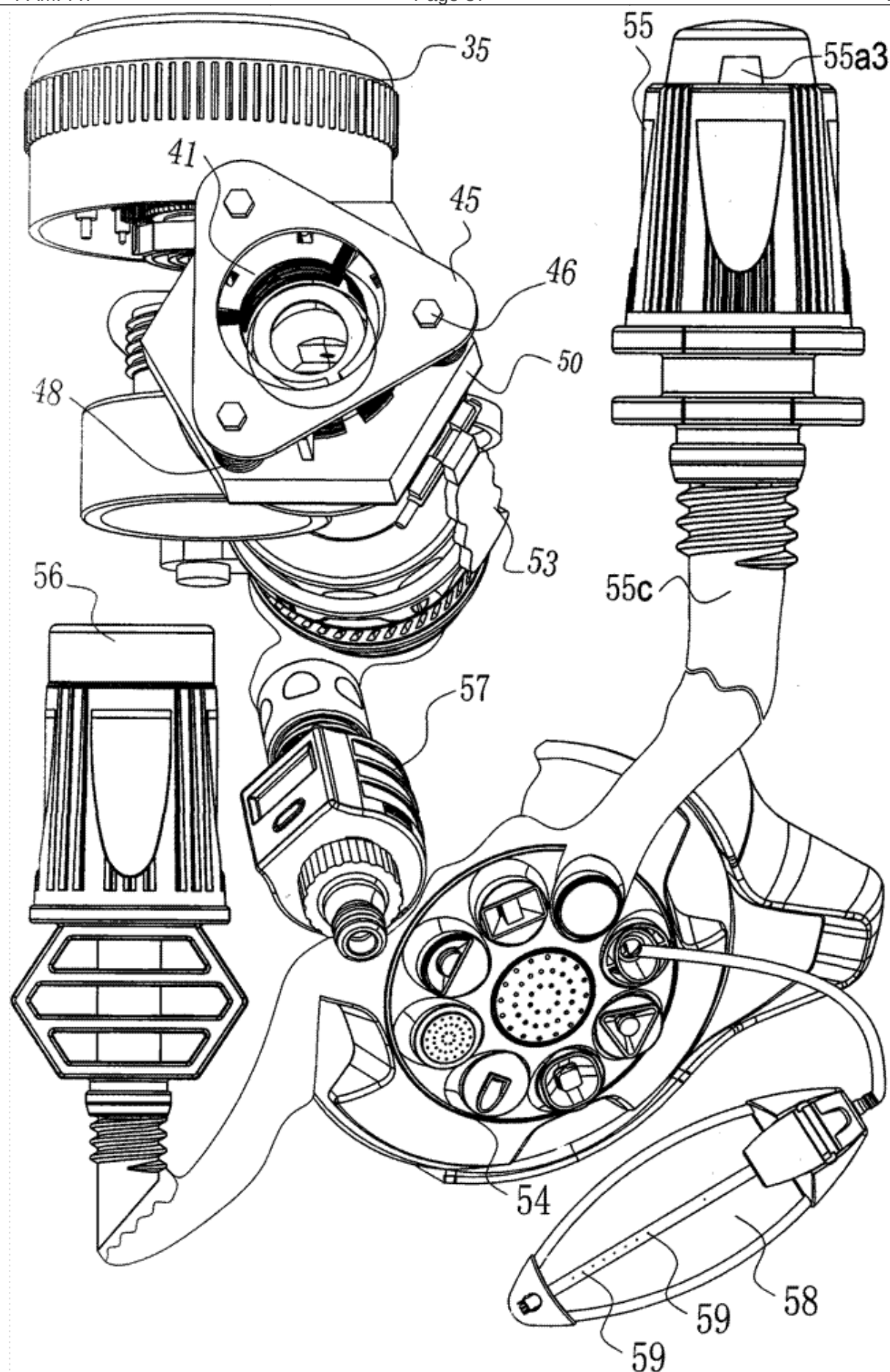
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Title

(CN104719096)

High-performance anti-dirt swing sprinkler and water saving method

Images



Publication data including kind & date

CN104719096

A

2015-06-24

CN104719096

CN104719096

B

2018-03-09

CN104719096B



Abstract

(CN104719096B)

The invention discloses a high-performance anti-dirt swing sprinkler and a water saving method. The high-performance anti-dirt swing sprinkler comprises a sprinkler body, an electromagnetic flow meter, a flow adjustable dripper, a 360-degree sprinkling head, an energy-saving type sprinkling irrigation timer and a water distribution device, wherein the energy-saving type sprinkling irrigation timer and the water distribution device are used in cooperation with each other to save water. Due to the facts that multiple swing sprinkling heads (59) are connected to a commutator of the high-performance anti-dirt swing sprinkler and each swing sprinkling head is provided with a swing sprinkling cap (591), an anti-dirt effect is achieved; the swing sprinkling caps (591) are arranged above horn-shaped outlets of the swing sprinkling heads (59), and the swing sprinkling caps are slightly of a flake shape; semicircular swing sprinkling cap balls (592) are arranged at the positions, corresponding to the portion above the horn-shaped outlets of the swing sprinkling heads (59), of the swing sprinkling caps; the swing sprinkling caps slightly of the flake shape are connected with swing sprinkling cap handles (593) fixed onto the swing sprinkling heads through flexible shakable filmy swing sprinkling cap grooves (594); the swing sprinkling cap grooves (594) play the role of movable hinges, when water is sprinkled, the water rushes through the swing sprinkling caps to open the swing sprinkling caps, and when no water exists, the swing sprinkling heads are covered with the swing sprinkling caps, so that the anti-dirt effect is facilitated.

Inventors

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Latest standardized assignees - inventors removed

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