

100 Documents

Publication numbers	Title	Current assignees
CN2151378U Y	Portable stove	FAN XIANZHEN
CN203555633U U	Portable outdoor barbecue grill capable of being applied to pot and stove cooking	HE FAN
CN2047749U U	Movable coal stove	FAN TIAN SHE
CN102954497 A	Portable biomass cooking stove	XUNDA SCIENCE & TECHNOLOGY
CN109120184 A	Portable gas stove based thermoelectric generator and portable gas stove	ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, ...
CN104061601 A	Outdoor portable stove	CHEN FENG
CN104896516 A	Portable field firewood stove for individual soldiers	NO 452 HOSPITAL PLA
CN87204613U U	Portable coal stove with an afterheat-utilizing device	JINCHENG KITCHEN UTENSILS FACTORY NORTH DISTRICT OF CHANGSHA HUNAN
WO200793033 A1	Portable stove	SOLHUMA
CN87204875U U	Portable combination of grain winnower and stove blast fan	KOU XISHOU
CN103622567 A	Portable outdoor barbecue oven capable of being used for cooking range cooking	HE FAN
WO201587312 A2	Portable camping stove	AGAM EHUD
CN208658982U U	Portable stove and the stove heat cycling heat cycle	HANGZHOU ROBAM APPLIANCES
CN203177243U U	Portable small tea stove	WANG XINPEI
CN2677766U Y	Portable energy-saving stove with steaming device	LIAONING LINGNAN KITCHEN EQUIPMENT
CN203478340U U	Portable cooking stove	SICHUAN YANSEN FURNACE INDUSTRY
JP2001272038 A	Charcoal-fire portable cooking stove	MURAKICHI GAS PRESSURE INDUSTRY
CN203478336U U	Portable cooking stove with feed port	SICHUAN YANSEN FURNACE INDUSTRY
US20010035175 A1	Portable solid-fuel camp-stove	LAUTNER ROBERT MARTIN
CN203964014U U	Portable outdoor stove	CHEN FENG
WO2014210591 A1	Portable stove	Chinhu Jung
CN203298374U U	Wind-shielding device for portable-type gas stove	MAXSUN
CN201452922U U	Portable stove for traveling	WEN ZHONGLIANG
JP2004085061 A	Portable cooking stove	RINNAI, ...

Publication numbers	Title	Current assignees
CN107456111 A	Portable biomass fuel grilling stove	PINGHU WEIFENG SCIENCE & TECHNOLOGY
CN2641494U Y	Portable, combination and multi-functional stove	WU XIANZHONG
CN102679358 A	Whirlwind distributor for portable gas stove bodies	MAXSUN
IT2005VR0044 A1	Pellet-fed compact and portable stove and method for the use of the stove	FABRIS DUBLINIO RUGGERO
JP05332543 A	Warm air heater for portable cooking stove using hot plate	TOYOTOMI
CN204806475U U	Novel portable camp stove	ZHU LIHUA
CN204246479U U	Acupuncture point moxibustion tool	FAN HONGJIE
CN203138137U U	Portable granular fuel food barbecue stove	GREEN MOUNTAIN GRILLS
CN205026735U U	Portable electricity generation faggots stove	TIANJIN SYNERGY GROUPS
CN2146667U Y	Energy-saving efficient hearth	FAN CUNYOU
WO2015137800 A1	Portable stove for solid fuels	WALKER HOLDINGS
US20150338104 A1	Method for making customized, wood fired pizzas in situ	LIPINSKI ADAM
CN108895499 A	Portable integrated stove	ZHEJIANG YIJIA KITCHEN & BATH TECHNOLOGY
CN203298355U U	Portable wind shielding device of gas stove	MAXSUN
CN205825119U U	Portable energy -conserving kitchen range	FAN HAIZHAO
US20170347832 A1	Portable biomass stove	LIN, YU-JIA
CN206303772U U	Portable energy -conserving charcoal stove	GUANGZHOU HUNGKAY METAL
CN206695174U U	Rotary fixing structure of portable gas stove body nozzle	MAXSUN
CN202521649U U	Portable updraft biomass semi-gasification cooking stove	ZHANG DEDI
CN207907332U U	Portable electric hot -water heating stove	QIU GUOYUN
CN208030932U U	Portable chafing dish and dual -purpose charcoal stove of barbecue	FENG PEIYING
CN208693044U U	Portable carbon barbecue oven	FAN JUNYING
CN201925950U U	Portable folding firewood combustion furnace	FAN QINBIN, ...
CN108361708 A	Cyclone type distributor of portable burner stove body	KUNSHAN FULING ENERGY UTILIZATION
CN207928222U U	Portable constant temperature is oil drip sediment charcoal -grilled stove not	CAO JUNJIAN
CN205966703U U	Large -scale portable smoke and dust collection device of stove that fascinates	JIANGXI RARE METALS TUNGSTEN
CN205065801U U	Novel portable xyloid coal steam stove	CAO JUN
CN206402558U U	Portable multi -functional intermediate frequency electric stove switch board	XIANNING WEILI MACHINERY

Publication numbers	Title	Current assignees
CN203861046U U	Barbecue oven	FAN CHAO
WO2006103613 A2	Improvements in cooking stoves	PHILIPS ELECTRONICS
JP09101029 A	Heated item temperature sensing device of cooking stove	TOKYO GAS
CN206540182U U	Fuel burning carrier	FAN LEI
JP2016053432 A	Stove	HARMAN, ...
CN2508177U Y	Moveable solar integral kitchen	FAN SHUNQI
CN201091518U Y	Outdoor multifunctional compound broiled oven	HE FAN
CN2367971U Y	Regulatable photoconductive solar range	HU FAN
CN107212761 A	Portable barbecue oven	FAN KECHEN
CN204678426U U	Install whole shaping electromagnetism stove shell of antimagnetic portable	CHEN CHAO
KR20140017911 A	Portable gas stove	LEE, SANG YONG
US20070087297 A1	Liquid fuel backpacking stove	COLEMAN
CN208620833U U	Portable gas stove regenerative	HUAI AN FANGYUAN FORGING
KR200477216U Y1	Portable hand stove having cooling function	KIM, KWANG-SUK
TWM457851 U	Portable stove with oil smoke absorbing function	UNIVERSITY SOUTHERN TAIWAN SCIENTIFIC & TEC
KR20160100588 A	Composite Type A Portable Stove	KIM JIN TAE
JP09101030 A	Heated item temperature sensing device of cooking stove	TOKYO GAS
CN207073851U U	Outdoor portable barbecue smoking equipment for fan	ZHU QUANFU
JP09159193 A	Cooking heater	TOKYO GAS
JP10141668 A	Alcohol stove including thermoelectric converter	THERMO ELECTRIC DEIBEROTSUPUMENTO
CN202675295U U	Whirlwind distributor of stove body of portable gas cooker	MAXSUN
CN204404350U U	Stove heat dissipation fan with downward blowing function	ARE LOVE WEST ENERGY CONSERVATION & ENVIRONMENTAL PROTECTION ENGINEERING
JP09250753 A	Portable cooking stove of flame escape preventive type	TOKYO GAS, ...
JP09250752 A	Portable cooking stove of flame escape preventive type	TOKYO GAS, ...
IN2008CH01763 A	Biomass stove apparatus and method for its use	FIRST ENERGY PRIVATE
KR20120121318 A	Portable fan which can arrange temperature and stick home fan	HONG Ji-Eun, ...
KR20130060238 A	End face clamping tool for workpiece	LINUX MOTOR
FR-946062 A	Portable stove and fixed to air introduced by electric fan	
DE202014104173 U1	Portable cooking, charcoal barbecue stove chamber and	LOTUSGRILL

Publication numbers	Title	Current assignees
KR20130004871U U	A windbreak for portable gas range	KIM, JONG SOO
JP05025209U U	Receiving device for a portable cooking stove Pan	MIYAMOTO HATSUO
CN205957253U U	Electric power storage formula electromagnetism stove	GUANGZHOU MEIKONG ELECTRONIC TECHNOLOGY
CN109237529 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN101361636 A	Heating warmer for portable fuel	NIITAKA
JP11140471 A	Charcoal packed in cup	Saburo Nakamura
CN109237539 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN109237535 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN109237547 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN109237534 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN106678777 A	Portable combustion machine	HUNAN XINDI NEW ENERGY TECHNOLOGY
IN2005CH01365 A	Biomass stove	BP
US20090165772 A1	High efficiency combustion stove	ENVIRO FUELS MANUFACTURING
CN204923133U U	Portable integrated kitchen	ZHEJIANG INSTITUTE OF MECHANICAL & ELECTRICAL ENGINEERING
CN109237541 A	Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system	FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING
CN201740413U U	Stove bottom slip ring temperature measurement system of iron alloy electric stove	BERIS

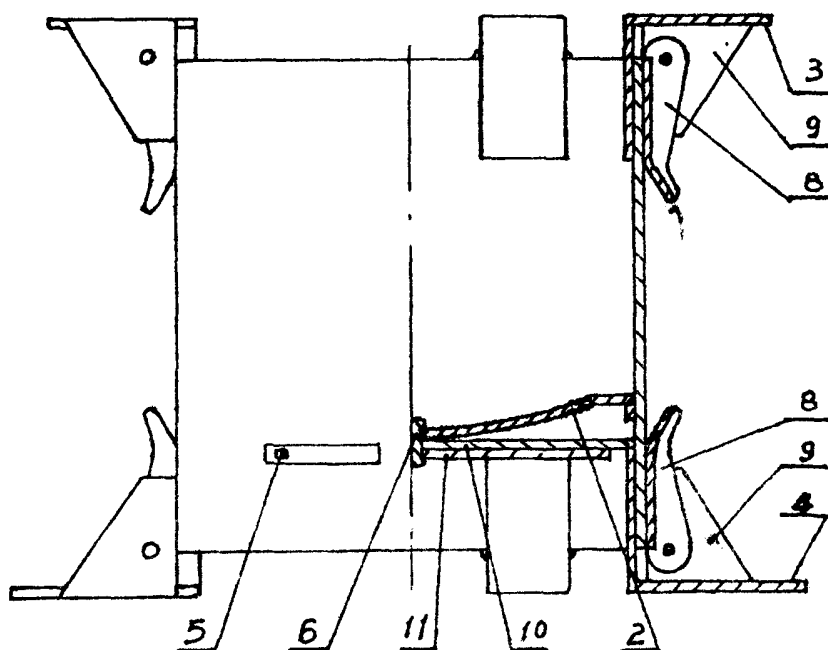
Publication numbers	Title	Current assignees
CN205669940U U	Small -size portable alloy smelting furnace	SANXIANG ADVANCED MATERIALS
KR200348574U Y1	Portable Gas Range	OH JungSe
CN202613512U U	Jet type gas stove	TANG HUAIDE

Family 1/100 - FAMPAT - ©Questel

Title

(CN2151378U)

Portable stove

Images**Publication data including kind & date**[CN2151378](#)

Y

1993-12-29

CN2151378U

**Abstract**

(CN2151378U)

The utility model relates to a portable stove, belonging to a domestic stove which uses solid fuels. Stoves which use solid fuels are generally heavy and are not easy to be carried, and therefore, the stoves can never be portable. The purpose of the utility model is to provide a kind of portable stove which uses solid fuels; the stove is small, artful and light, and can be easily carried about. The utility model is characterized in that a stove body, a tray, supporting brackets and an air door are all processed with metal plate materials; each of upper supporting brackets and lower supporting brackets can be respectively disassembled and assembled with the stove body; each of the disassembled supporting brackets can be put into the stove body; the portable stove can be conveniently carried as long as the portable stove is packaged a little. The portable stove which can be used in multiple ways such as burning, boiling, roasting, swilling, heating, etc. is an excellent stove for field operation and tourism.

Inventors

FAN XIANZHEN

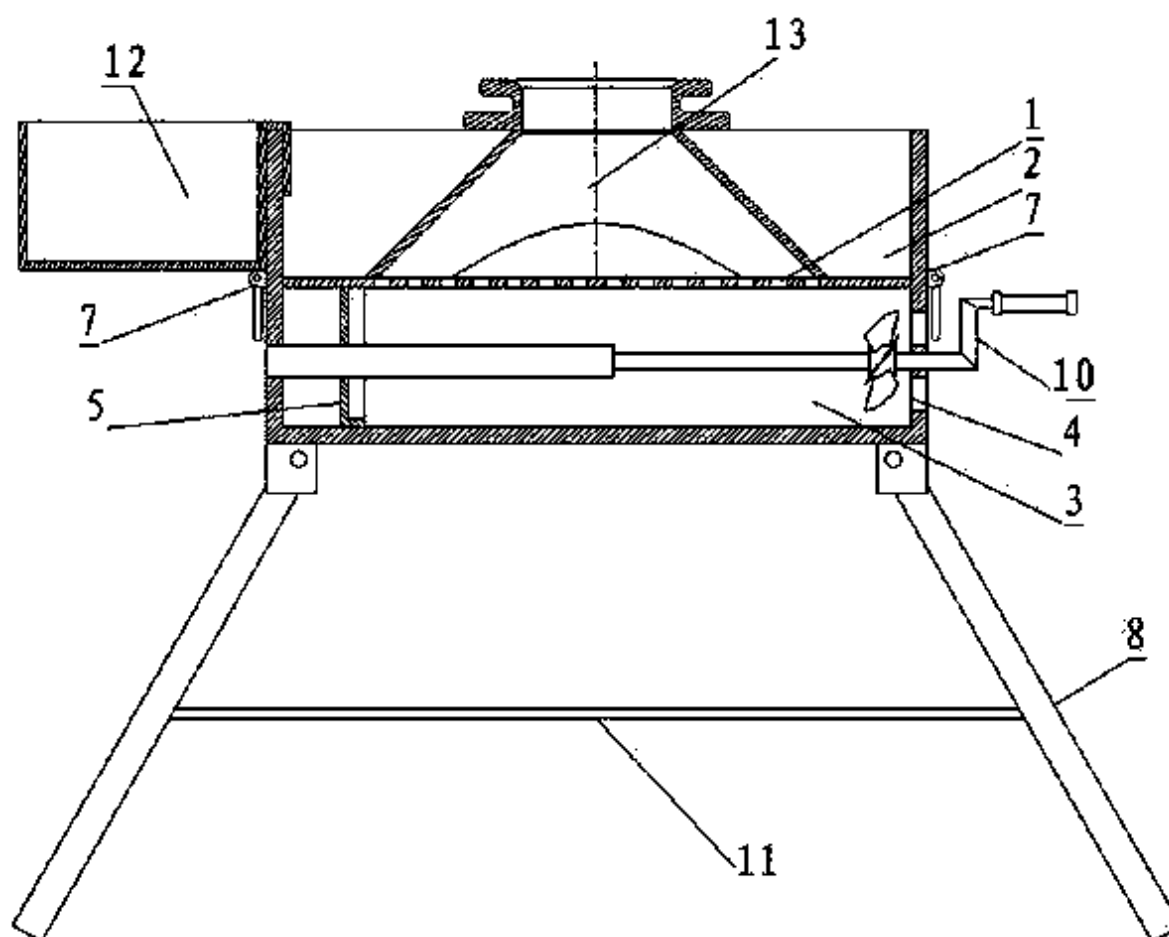
Family 2/100 - FAMPAT - ©Questel

Title

(CN203555633U)

Portable outdoor barbecue grill capable of being applied to pot and stove cooking

Images



Publication data including kind & date

CN203555633

U

2014-04-23

CN203555633U



Abstract

(CN203555633U)

The utility model relates to a portable outdoor barbecue grill capable of being applied to pot and stove cooking. The portable outdoor barbecue grill capable of being applied to pot and stove cooking comprises an oven, foldable supports, an additional grill ring, an air baffle, a hand-operated ventilating fan, an accessorial supporting plate, a seasoning box and accessorial cooking utensils, wherein the inside of the oven is divided into two parts, including an upper oven body and a lower oven body, by a fire grate; an air vent and the air baffle are arranged on the lower oven body; bayonets and handles are arranged on outer sides of an oven body; the foldable supports are installed at the bottom of the oven body; the other accessorial cooking utensils comprise cutters, a chopping board and dishes and can be increased or selected for usage according to actual requirements; and the additional grill ring can be installed on the fire grate when a conventional cooking function is required to be used so as to realize a conventional stove function. The portable outdoor barbecue grill capable of being applied to pot and stove cooking has the benefits as follows: on the basis that the requirement of outdoor usage for portability is met, pot and stove cooking functions are increased, and the barbecue grill has the better practicability.

Inventors

HE FAN

HE JIRONG

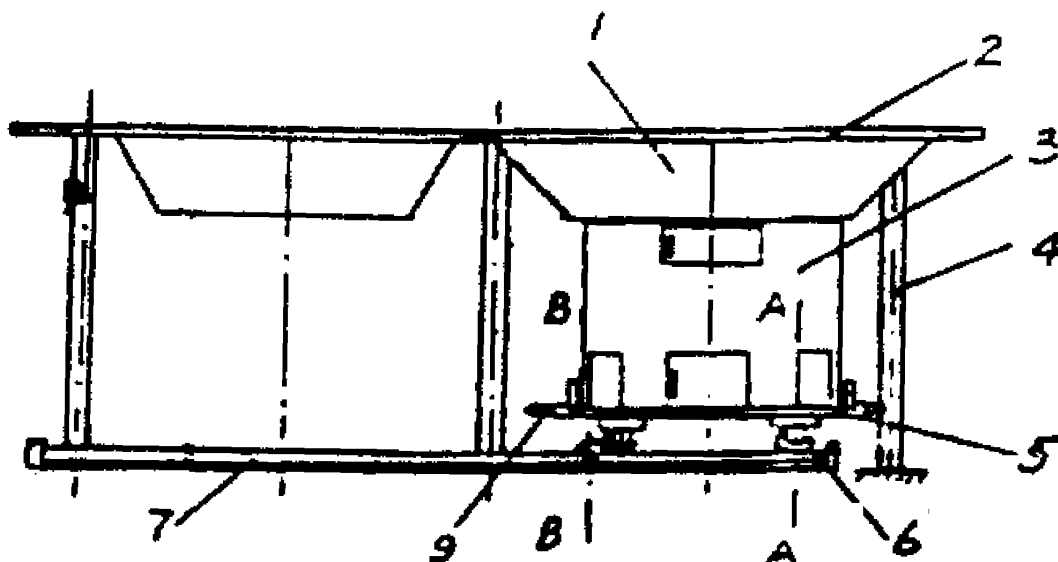
Family 3/100 - FAMPAT - ©Questel

Title

(CN2047749U)

Movable coal stove

Images



Publication data including kind & date

CN2047749	U	1989-11-15	CN2047749U
CN89202474	Y	1990-06-20	CN89202474U



Abstract

(CN89202474U)

The utility model provides movable coal stove, suitable for all the coal stoves. Four wheels are arranged on the base of the stove, and the wheels can walk on two tracks. According to the requirement of the cooking operation, the firing stove can be pushed to the using place, so the number of the stoves can be reduced in order to reach the purpose of saving the equipment and the coal.

Inventors

FAN TIAN SHE

LI FENG

FAN CHAODONG

ZHOU YI

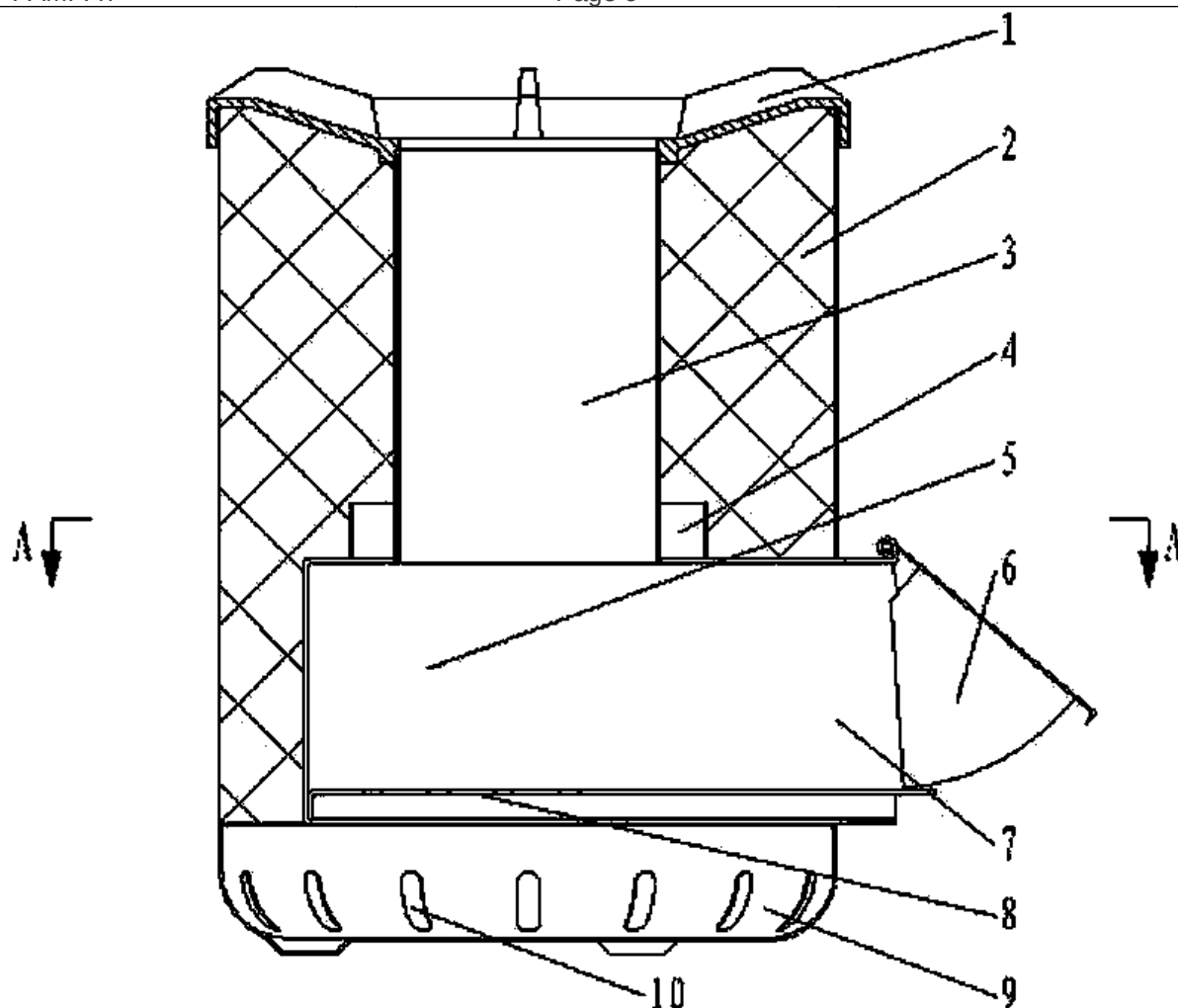
Family 4/100 - FAMPAT - ©Questel

Title

(CN102954497B)

Portable biomass cooking stove

Images



Publication data including kind & date

[CN102954497](#)

A 2013-03-06

CN102954497

[CN102954497](#)

B 2015-02-11

CN102954497B



Abstract

(CN102954497B)

The invention relates to a portable biomass cooking stove, which comprises a stove body, a stove chamber which is arranged in the stove body and a smoke flue which is communicated with the upper part of the stove chamber. One side of the stove chamber is communicated with a material adding port. A stove door is connected at the material adding port. The lower part of the stove chamber is a stove bridge with primary air holes which are communicated with the external atmosphere. A plurality of secondary air distribution holes are arranged on the wall of the stove chamber. By reasonably distributing primary and secondary air to enable fuel to be fully combusted, the portable biomass cooking stove has the characteristics of simplicity in operation, energy saving, high efficiency, environmental friendliness and the like; and by using the movable stove door, the scope of applicable fuel is wider. The portable biomass cooking stove has a simple structure, is small, exquisite and portable, is not required to be connected with an external smoke pipe or an external fan, and is suitable for household cooking, outdoor cooking and the like.

Inventors

WU BINQIANG

LI HEPING

WU YI

Latest standardized assignees - inventors removed

XUNDA SCIENCE & TECHNOLOGY

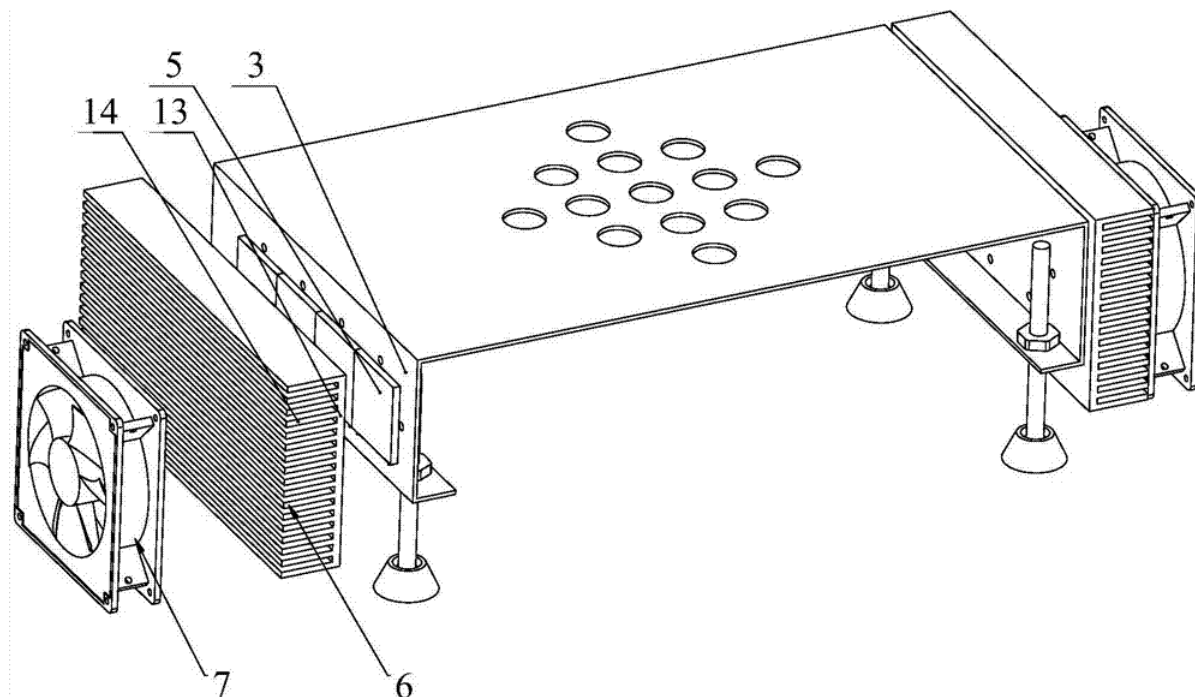
Family 5/100 - FAMPAT - ©Questel

Title

(CN109120184)

Portable gas stove based thermoelectric generator and portable gas stove

Images



Publication data including kind & date

CN109120184

A

2019-01-01

CN109120184



Abstract

(CN109120184)

The invention discloses a portable gas stove based thermoelectric generator and a portable gas stove. The thermoelectric generator comprises a U-shaped heat transfer plate, thermoelectric power generation pieces, heat dissipation devices and a controller, wherein the U-shaped heat transfer plate includes a horizontal part and vertical parts which are symmetrically arranged at two sides of the horizontal part, the U-shaped heat transfer plate is used for being erected on the portable gas stove, and the horizontal part of the U-shaped heat transfer plate directly faces towards a gas rack of the portable gas stove; one end of each thermoelectric power generation piece is attached to the outer side wall of the corresponding vertical part; each heat dissipation device is arranged at the end, which is back to the vertical part, of the corresponding thermoelectric power generation piece, and the heat dissipation device is matched with the corresponding thermoelectric power generation piece and used for heat dissipation; and the controller is electrically connected with the thermoelectric power generation pieces. The thermoelectric generator disclosed by the invention can generate power conveniently by using the portable gas stove in the field through the U-shaped heat transfer plate structure.

Inventors

LI GUONENG

ZHENG YOUQU

HU JIANGEN

LÜ HONGKUN

LI JIAN

Latest standardized assignees - inventors removed

ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY

ELECTRIC POWER SCIENTIFIC RESEARCH INSTITUTE OF STATE GRID ZHEJIANG ELECTRIC POWER

HANGZHOU YINENG ELECTRIC POWER TECHNOLOGY

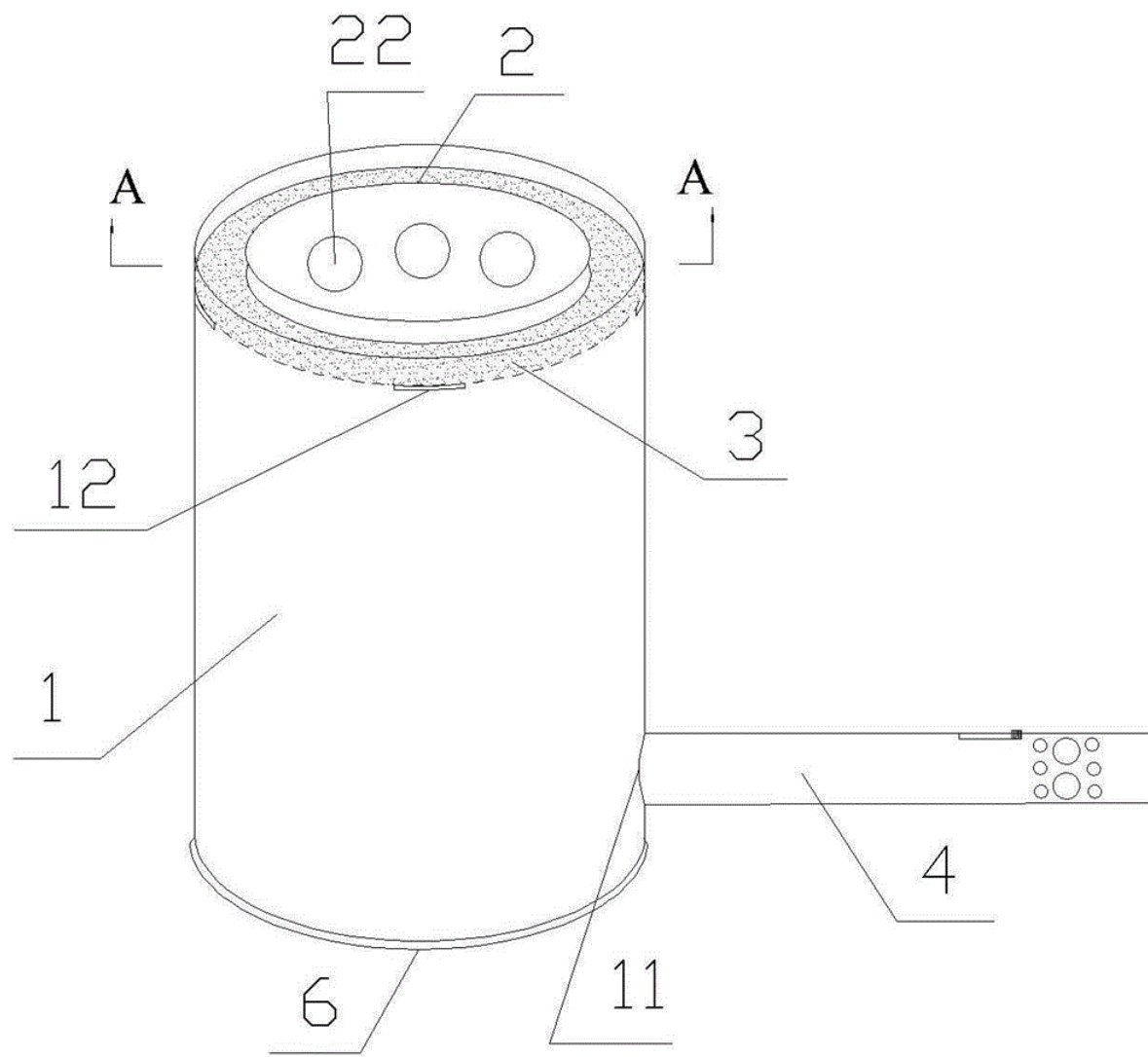
Family 6/100 - FAMPAT - ©Questel

Title

(CN104061601)

Outdoor portable stove

Images



Publication data including kind & date

CN104061601	A	2014-09-24	CN104061601
CN104061601	B	2016-07-06	CN104061601B



Abstract

(CN104061601B)

The invention relates to an outdoor portable stove which is formed by assembling a columnar outer stove body (1), a columnar inner stove body (2), an annular ring washer (3) and an air inlet cylinder (4) in a detachable mode. The columnar outer stove body (1) and the columnar inner stove body (2) are defined by rectangular or approximating rectangular sheet metal, the disassembled columnar outer stove body (1), the columnar inner stove body (2) and the annular ring washer (3) can be rolled up and put into the air inlet cylinder (4). The bottom of the columnar outer stove body (1) is provided with an outer stove air hole (11), one end of the air inlet cylinder (4) is connected with the outer stove air hole (11), the columnar inner stove body (2) is provided with a plurality of top air holes (22) and a plurality of bottom air holes (21), and the annular ring washer (3) is arranged between the columnar outer stove body (1) and the columnar inner stove body (2). The outdoor portable stove can be assembled and disassembled fast and conveniently, can be put into the air inlet cylinder after being disassembled, small in size and convenient to carry; the value of heat of combustion of firewood is high, the flame is large, the burning speed is high, and wet firewood can be burned.

Inventors

CHEN FENG

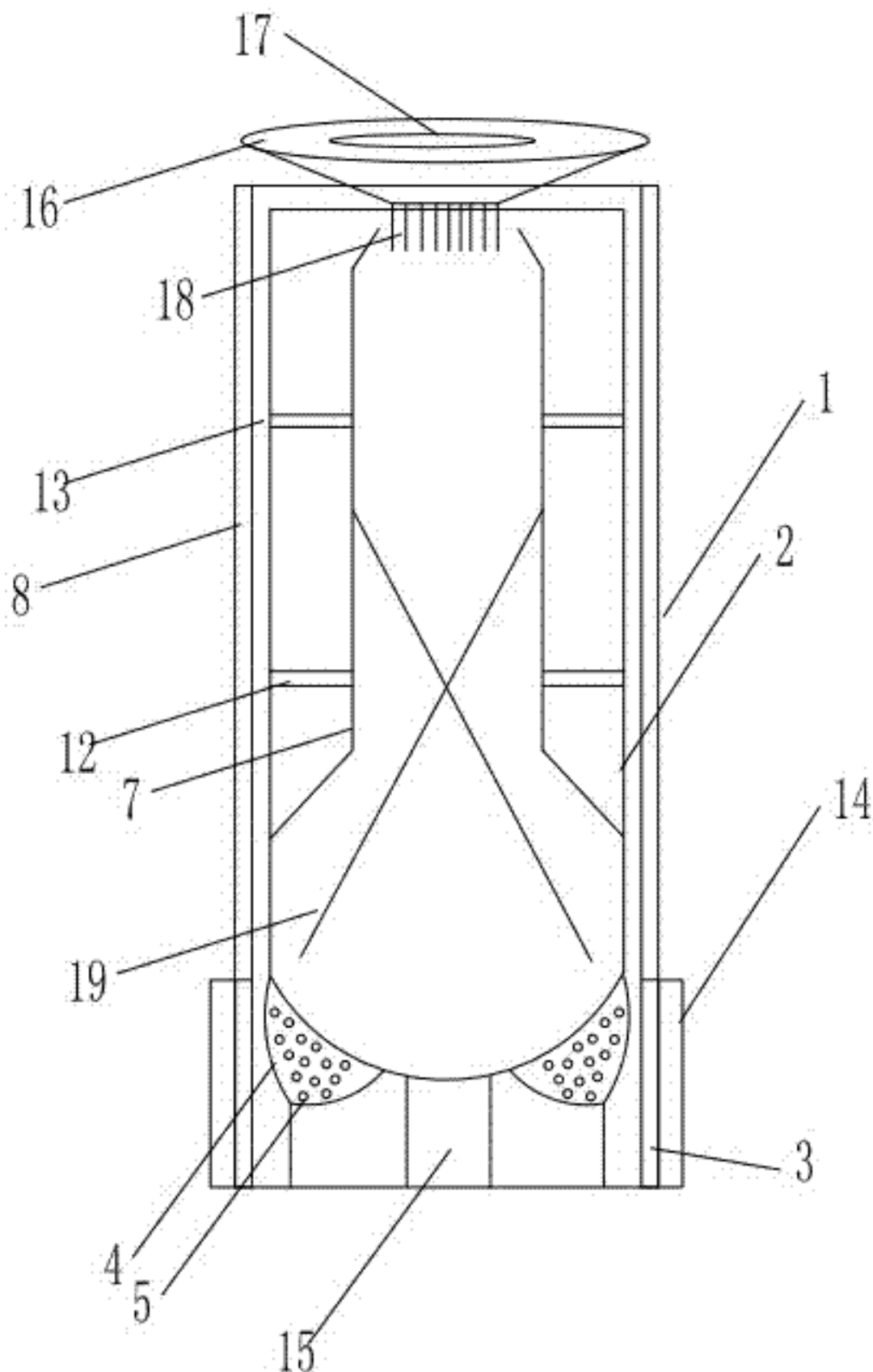
Family 7/100 - FAMPAT - ©Questel

Title

(CN104896516)

Portable field firewood stove for individual soldiers

Images



Publication data including kind & date

[CN104896516](#)

A 2015-09-09

CN104896516

[CN104896516](#)

B 2017-08-11

CN104896516B



Abstract

(CN104896516B)

The invention relates to a field appliance for daily use, in particular to a portable field firewood stove for individual soldiers,

which comprises a stove body and a liner located in the stove body, both the liner and the stove body are cylindrical, the lower part of the stove body is provided with at least two air inlets, and the air inlets communicate with the space between the stove body and the liner; the liner is provided with a circular arc-shaped downwardly raised bottom, a left air guide plate and a right air guide plate are arranged on the two side edges of the raised bottom of the liner, and each air guide plate is provided with a plurality of air guide holes. Under the situation that the individual soldiers are in the field, the portable field firewood stove for the individual soldiers has a high firewood utilization rate; moreover, when the portable field firewood stove for the individual soldiers does not need to be used, the heat dissipation speed of the portable field firewood stove for the individual soldiers is high, so the portable field firewood stove for the individual soldiers can meet the requirement of rapid packing and movement; at the same time, because of the disassemblable structure of the portable field firewood stove for the individual soldiers, the portability of the portable field firewood stove for the individual soldiers is greatly improved, and the problem on how to meet the field requirement of the soldiers is solved.

Inventors

ZHANG DEYUN

FENG HUAIZHI

HUANG PENG

LI JIAN

TANG CHAO

WANG XIAOGUANG

Latest standardized assignees - inventors removed

NO 452 HOSPITAL PLA

Family 8/100 - FAMPAT - ©Questel

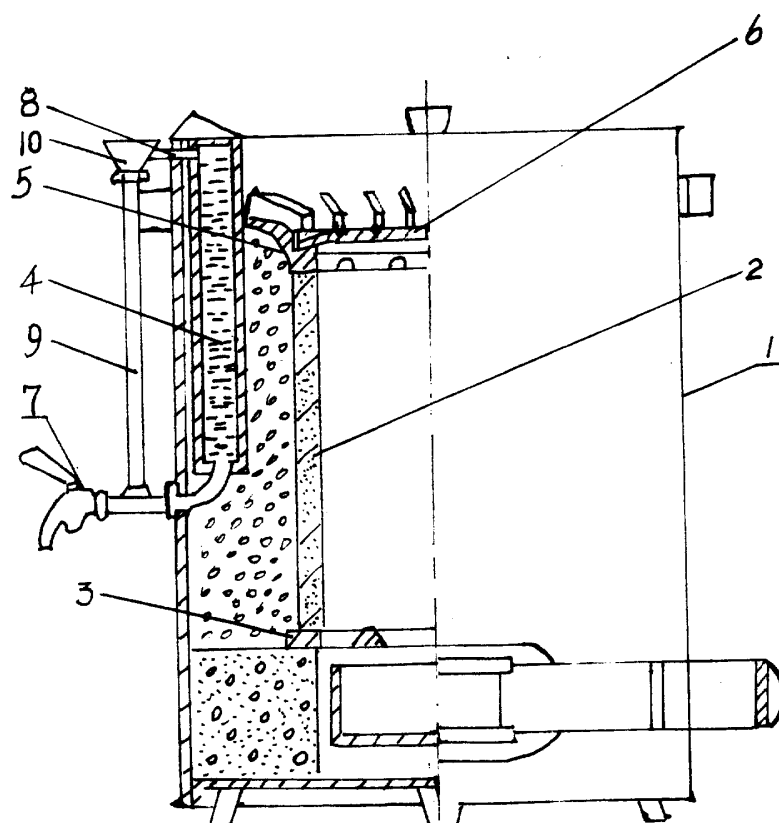
Title

(CN87204613U)

Portable coal stove with an afterheat-utilizing device

Images

说明书附图



5

Publication data including kind & date

CN87204613	U	1988-10-26	CN87204613U
CN87204613	Y	1989-10-04	CN87204613U



Abstract

(CN87204613U)

The utility model discloses a portable coal stove with an afterheat-utilizing device, comprising the structures of a cylindrical stove body, a stove bladder, a stove bridge, an ash chamber, etc. The utility model is characterized in that the cylindrical stove body is provided with an afterheat-utilizing device composed of a water inlet bucket, a water inlet tube, an annular water jacket, a water outlet tap, a steam discharge tube, etc. The device can absorb the afterheat of the stove body to boil

the hot water or the boiled water, and therefore, the portable coal stove can conduct the water boiling and the cooking simultaneously when being utilized. The portable coal stove with an afterheat-utilizing device is particularly applicable for the household with small house area in the city.

Inventors

FAN LUN

Latest standardized assignees - inventors removed

JINCHENG KITCHEN UTENSILS FACTORY NORTH DISTRICT OF CHANGSHA HUNAN

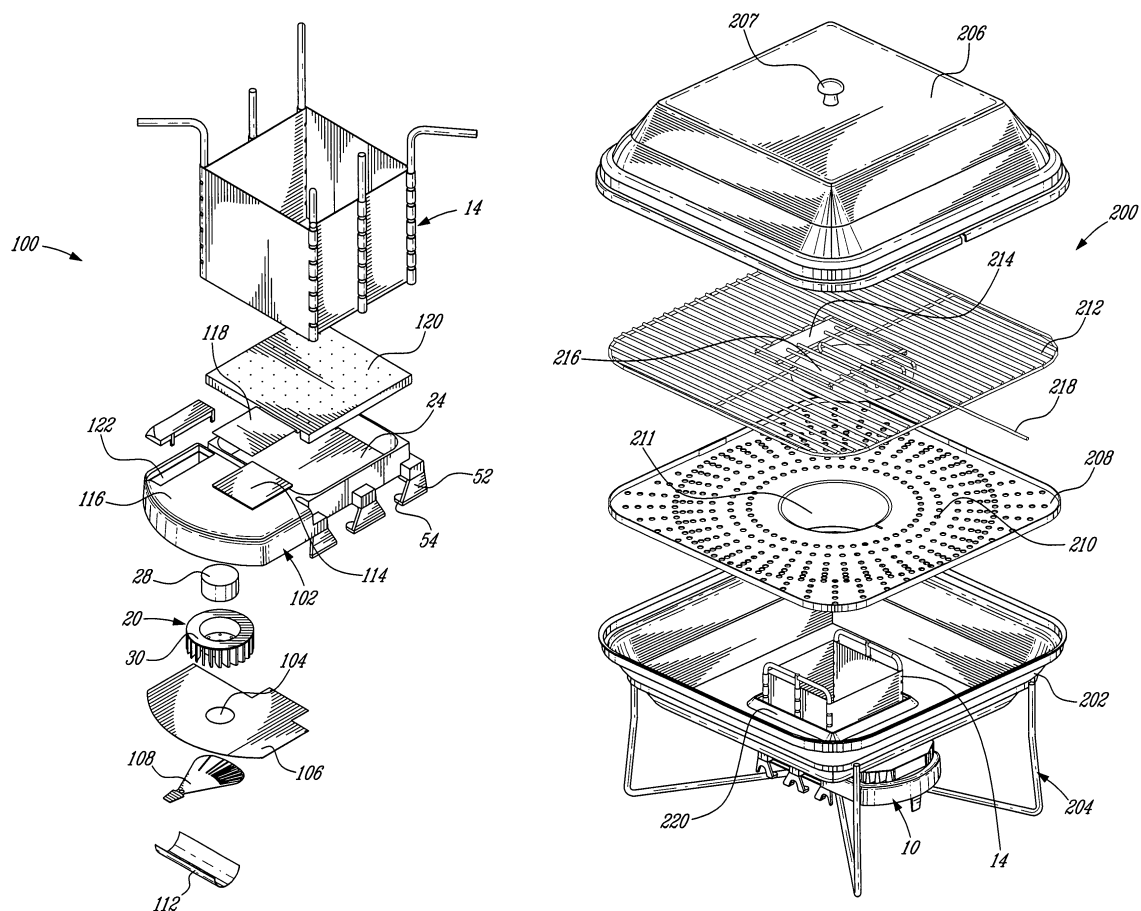
Family 9/100 - FAMPAT - ©Questel

Title

(EP1987287)

Portable stove

Images



Publication data including kind & date

WO2007093033	A1	2007-08-23	WO2007093033
CA2640580	A1	2007-08-23	CA2640580
EP1987287	A1	2008-11-05	EP1987287
US20090020109	A1	2009-01-22	US20090020109
CN101415998	A	2009-04-22	CN101415998
EP1987287	A4	2012-03-28	EP1987287
CN101415998	B	2012-06-20	CN101415998B
US8220449	B2	2012-07-17	US8220449



Abstract

(EP1987287)

An autonomous or battery powered foldable stove using dry biomass as combustion fuel is described herein. The device includes a base that contains an air flow generator having an inlet and an outlet. The outlet is in fluid communication trough

a diffuser plate supporting the combustile to provide air thereto when the kit is functionally assembled and in operation. The stove defines a compact portable, stackable and autonomous device which can be stored for and then used in extreme situations, such as following a natural disaster.

Inventors

RHEAULT MARTIN

Latest standardized assignees - inventors removed

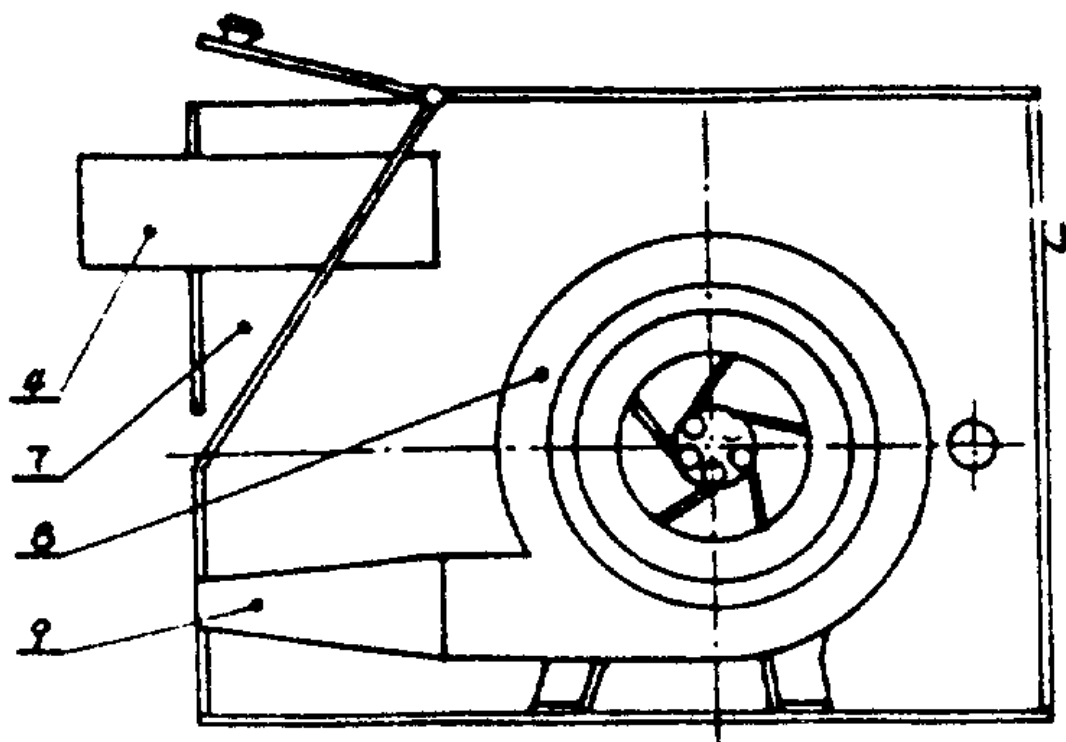
SOLHUMA

Family 10/100 - FAMPAT - ©Questel

Title

(CN87204875U)

Portable combination of grain winnower and stove blast fan

Images**Publication data including kind & date**

CN87204875	U	1988-04-20	CN87204875U
CN87204875	Y	1989-02-08	CN87204875U

**Abstract**

(CN87204875U)

The utility model discloses an LZJ type portable combination of grain winnower and stove blast fan ′ designed by comprehensive consideration of the features and the requirements of the grain cleaning and selecting and the stove blowing. The LZJ type portable combination of grain winnower and stove blast fan can replace the countryside common large-sized grain cleaning and selecting equipment and the dust pan manual work cleaning and selecting tradition, is suitable to clean and select fewer grains for the small businesses farmer, and can also be arranged to a stove to provide

the kitchen blowing. The utility model has the advantages of one machine with multifunction, compactness and beauty, small size, low cost. The LZJ type portable combination of grain winnower and stove blast fan belongs to the mechanics class, and the structure is composed of a blower, a grain cleaning and selecting device, an air equipartition device and a blowing pipe. The utility model is a dual-purpose machine for grain cleaning and selecting and stove blowing installed in a casing. The working condition is improved, and the environment pollution is avoided.

Inventors

KOU XISHOU

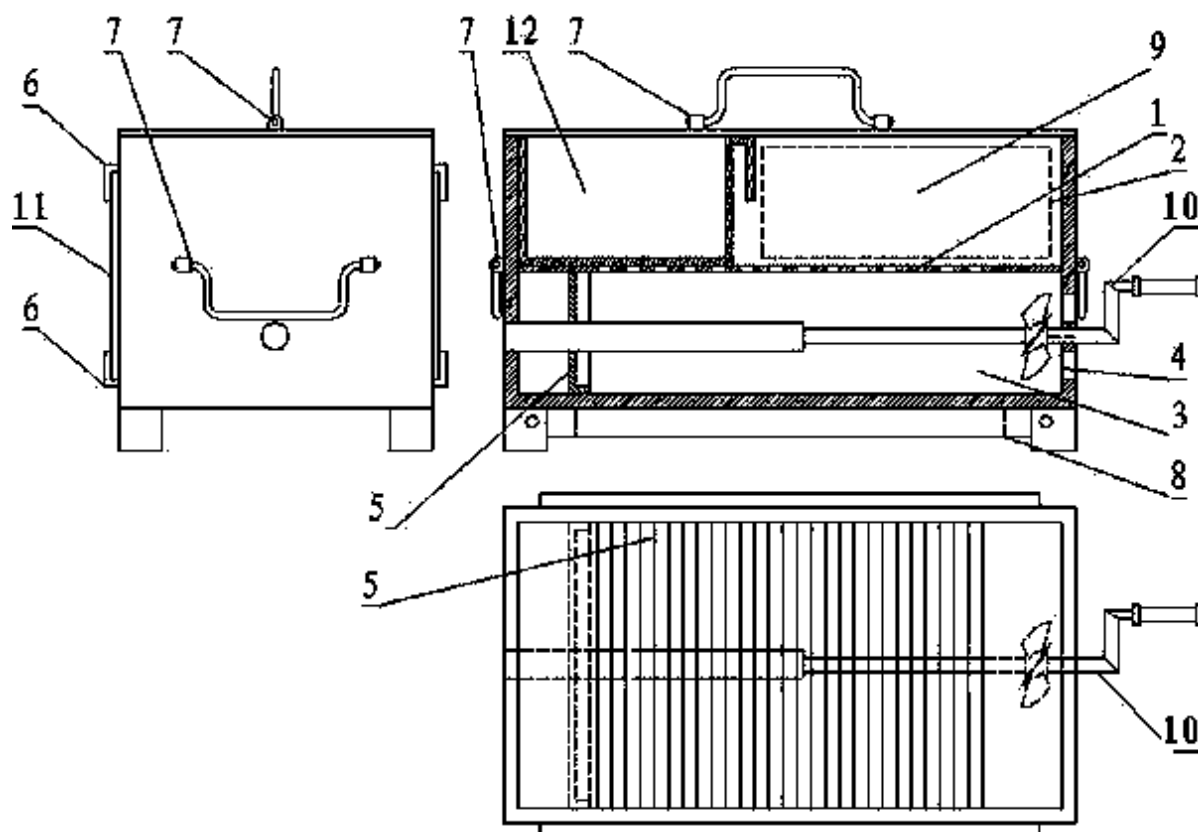
Family 11/100 - FAMPAT - ©Questel

Title

(CN103622567)

Portable outdoor barbecue oven capable of being used for cooking range cooking

Images



Publication data including kind & date

CN103622567

A 2014-03-12 CN103622567



Abstract

(CN103622567)

The invention relates to a portable outdoor barbecue oven capable of being used for cooking range cooking. The portable outdoor barbecue oven capable of being used for cooking range cooking comprises an oven body, a folding support, an additional oven ring, an air blocking part, a hand-operated ventilating fan, an additional supporting plate, a seasoning box and an additional cooker. The inner portion of the oven body is divided into an upper oven and a lower oven through a fire grate, a ventilating opening and the air blocking part are arranged on the lower oven, a clamping opening and a handle are arranged on the outer side of the oven body, the folding support is arranged on the bottom of the oven body, other additional cookers comprise a knife, a chopping board and a plate and can be increased or selected according to practical needs, the additional oven ring can be arranged on the fire grate when a conventional cooking function is needed, and the conventional cooking function is achieved. The portable outdoor barbecue oven capable of being used for cooking range cooking has the advantages that on the basis that the requirement for portability of outdoor using is met, the cooking range cooking functions are expanded, and better practicability is achieved.

Inventors

HE FAN

HE JIRONG

Family 12/100 - FAMPAT - ©Questel

Title

(WO201587312)

Portable camping stove

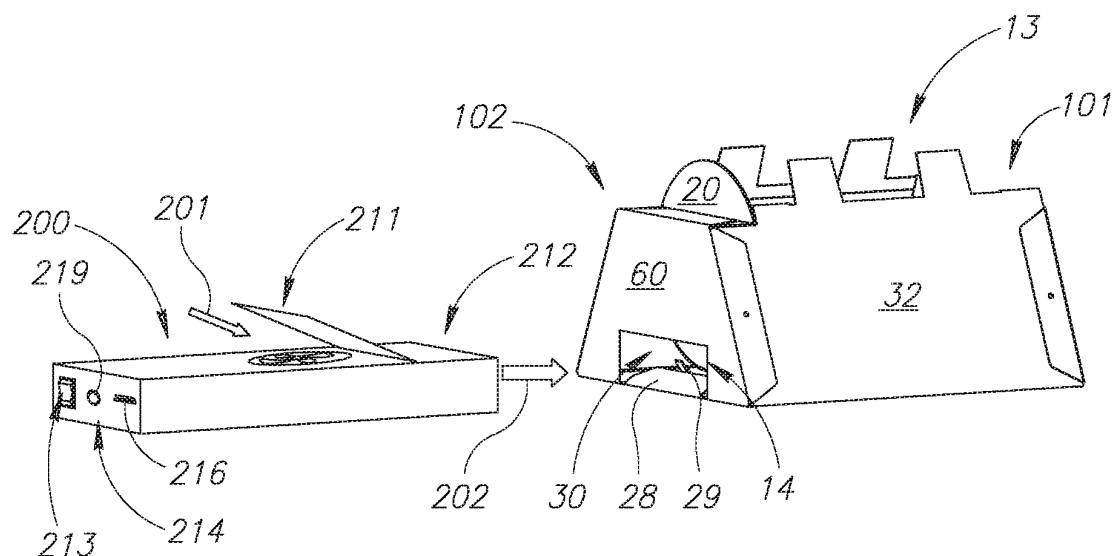
Images

FIG. 3A

Publication data including kind & date[WO2015087312](#) A2 2015-06-18 WO201587312[WO2015087312](#) A3 2015-09-17 WO201587312**Abstract**

(WO201587312)

A portable camping stove for burning solid fuel comprising: a combustion chamber having a wall, a closed end, an open end, a longitudinal axis extending between the ends, inlet holes for air to enter the combustion chamber and a longitudinal opening substantially parallel to the longitudinal axis at a top of the stove for escape of combustion gases; a housing that supports the combustion chamber on a surface on which the stove may be placed with the longitudinal axis substantially parallel to the surface and forms together with the combustion chamber wall an airway passage from which air exits via the inlet holes in the combustion chamber and air enters via an inlet aperture formed in the housing.

Inventors

AGAM EHUD

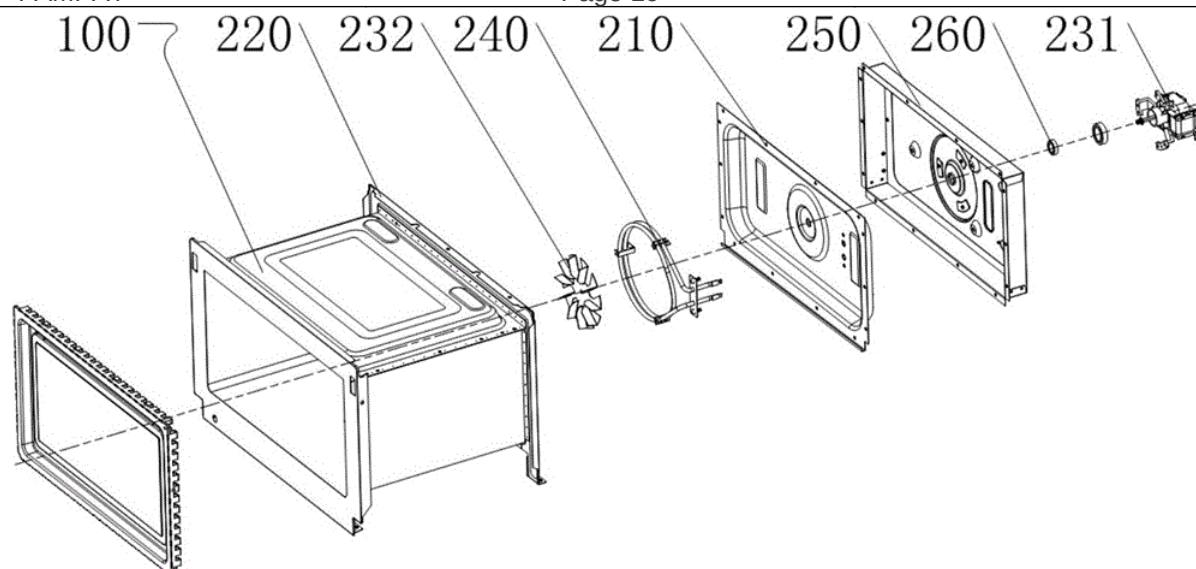
Family 13/100 - FAMPAT - ©Questel

Title

(CN208658982U)

Portable stove and the stove heat cycling heat cycle

Images

**Publication data including kind & date**

CN208658982

U

2019-03-29

CN208658982U

**Abstract**

(CN208658982U)

The present utility model provides a circulating heat stove and portable cycle heat stove, relates to the technical field of household appliances. A circulating oven cavity and snap fit in the cavity side of the implement includes a heat applying means; heating apparatus comprising a housing, the housing snap fit in the cavity on one side, and the housing and the cavity is provided between the duct board; duct board is provided with the intake area and the vent areas; housing is provided with a blower assembly, a heating element arranged therein; the blower assembly can be blown through the air admission section of the heat element generates heat within the enclosure, and out of the vent areas back into the housing. A portable recycle heating furnace which comprises a circulating heat stove, the top of the cavity is provided with a portable handle. The present utility model aims to provide a circulating heat stove and portable cycle heat stove, an oven present in the prior art to alleviate heat uniformity is poor, stove structure complicated, difficult assembly and disassembly, and people inconvenient problem.

Inventors

REN FUJIA

DAN XIAOKAI

RUAN HUAPING

Latest standardized assignees - inventors removed

HANGZHOU ROBAM APPLIANCES

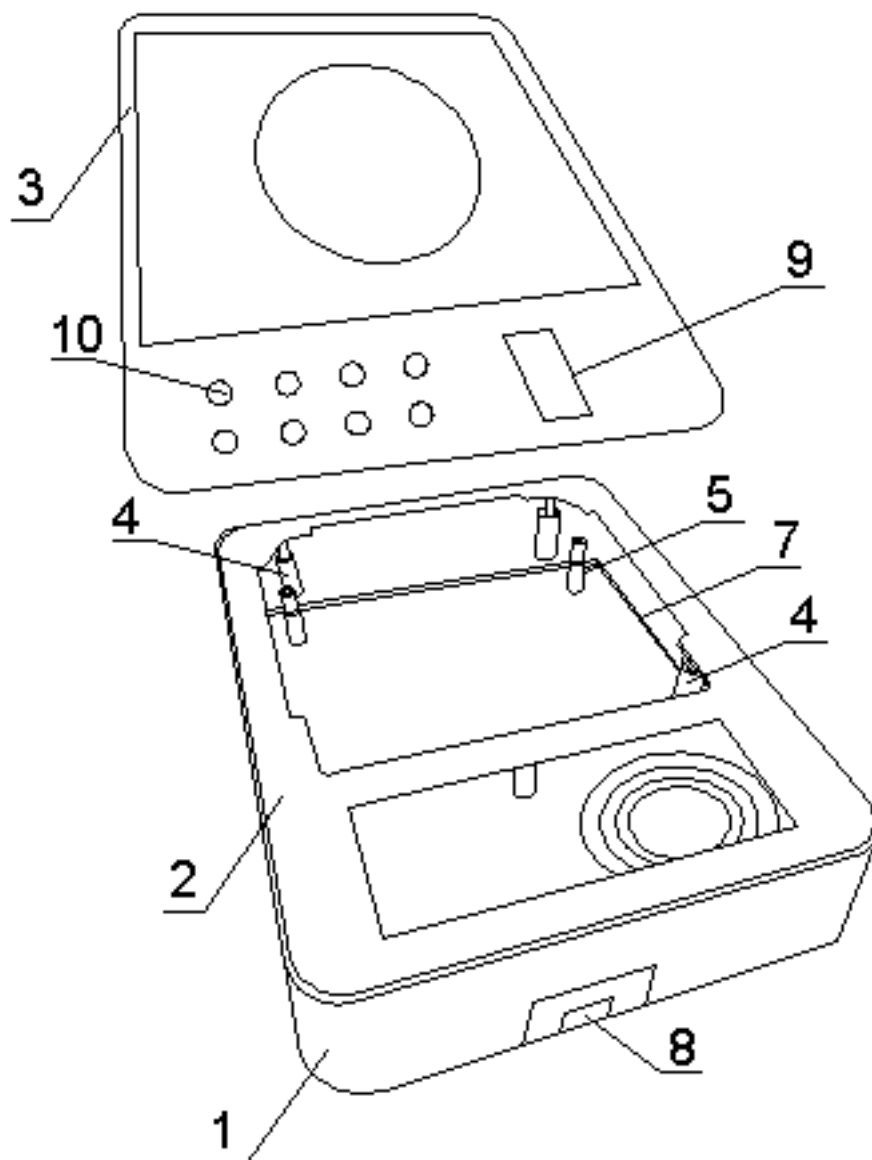
Family 14/100 - FAMPAT - ©Questel

Title

(CN203177243U)

Portable small tea stove

Images

**Publication data including kind & date**

CN203177243

U

2013-09-04

CN203177243U

**Abstract**

(CN203177243U)

The utility model discloses a portable small tea stove which comprises a bottom casing, handles mounted on the bottom casing, a surface cover mounted on the bottom casing, wherein touch input switches, a digital display screen, as well as a micro crystal panel are mounted on the surface cover; an intelligent control circuit, a radiating fan and a heating plate are mounted inside the bottom casing; surface cover mounting bases and heating plate mounting bases are arranged inside the bottom casing; surface cover mounting bases and heating plate mounting bases are arranged inside the bottom casing; positioning columns are arranged at the bottom of the surface cover, and are locked by screws after being inserted into the surface cover mounting bases, so that the surface cover and the bottom casing can be fastened together; the heating plate is mounted on the heating plate mounting bases, and is fixed by screws; and a water-proof groove is further formed in the bottom casing. The portable small tea stove has a simple structure, and is attractive in appearance, ingenious in design and low in production cost.

Inventors

WANG XINPEI

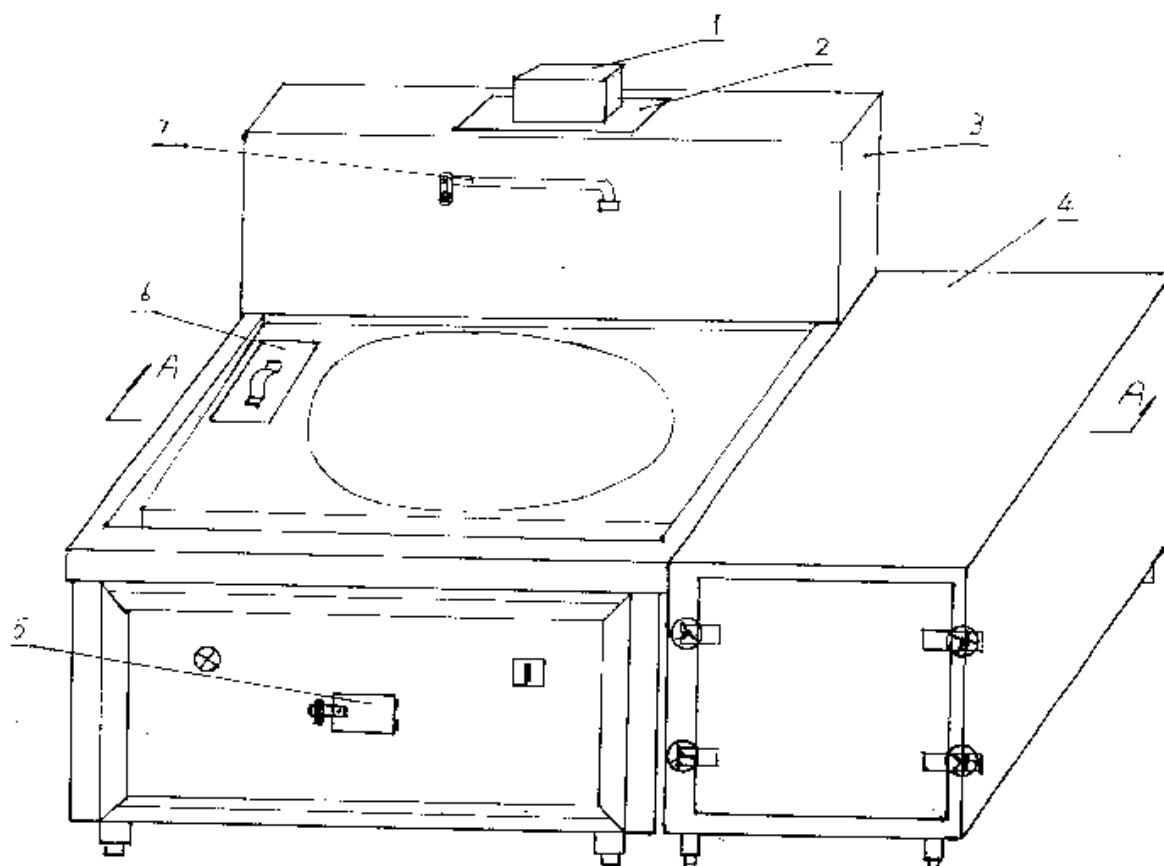
Family 15/100 - FAMPAT - ©Questel

Title

(CN2677766U)

Portable energy-saving stove with steaming device

Images

**Publication data including kind & date**

CN2677766

Y

2005-02-09

CN2677766U

**Abstract**

(CN2677766U)

A portable energy-saving stove with steaming device relates to the improvement of the steaming box and fried vegetables stove structure for manufacturing the foodstuff such as rice and noodles. The separate status of the steaming box and the stove and the energy waste are solved. The technical problems that the hot water can not be provided simultaneously when the meal is prepared and the steaming box and the stove are limited by the energy species are solved. The portable energy-saving stove with steaming device comprises a casing body, a stove tube, the steaming box, a steam tube, a feeding path tube, a stove grate, fuel oil, a gas stove head, a chimney, an ash-removing path tube, an observing tube, a water box with a stop valve, a connecting tube, a fan, a water inlet tube, a water outlet tube, and an oscillating water tap. The utility model has the advantages that the portable energy-saving stove with steaming device is made into an integrative structure, the stove tube is made into an interlayer cavity structure and the water is loaded in the stove tube, the hot water can be provided simultaneously when the meal is prepared, the structure is compact, the portable energy-saving stove with steaming device is convenient to be carried, the coal, the brushwood, the gas, and the fuel oil can be adopted as fuel, and the portable energy-saving stove with steaming device is not limited by the energy species, the water inlet box of the running water or the water inlet box of the manual water-adding can be adopted, and the portable energy-saving stove with steaming device is in particular suitable for the field operation.

Inventors

GUO ENQING

WANG QINGHUI

LU KEBIAO

Latest standardized assignees - inventors removed

LIAONING LINGNAN KITCHEN EQUIPMENT

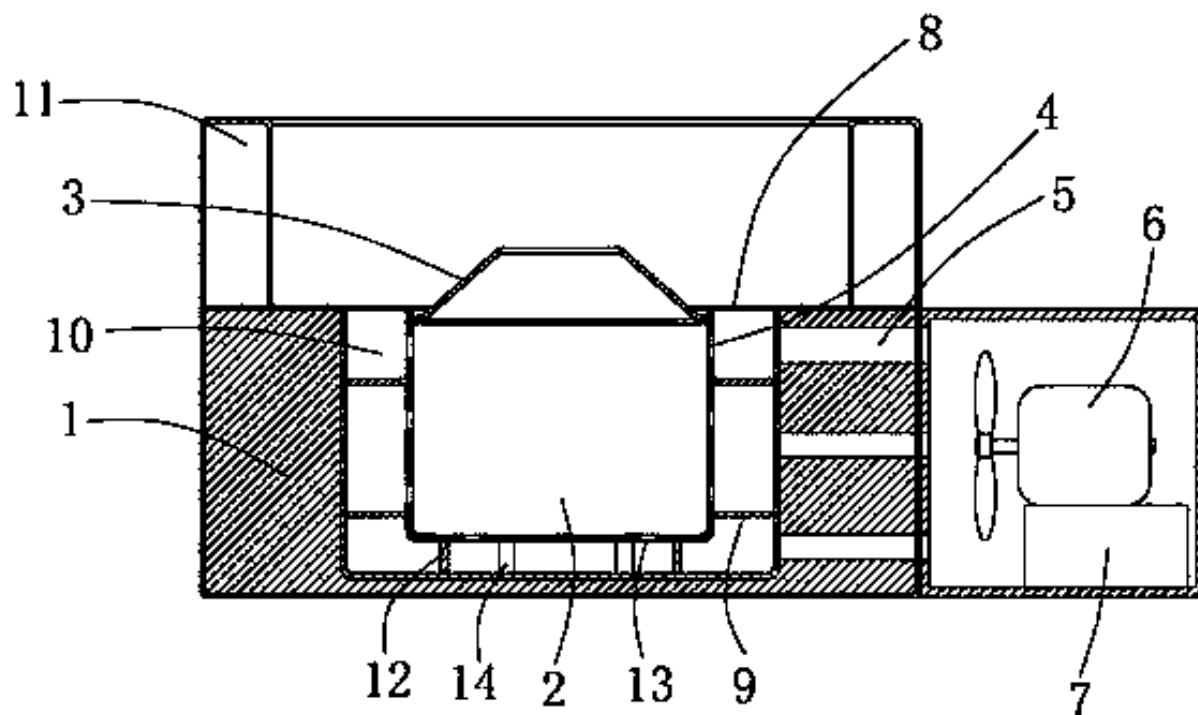
Family 16/100 - FAMPAT - ©Questel

Title

(CN203478340U)

Portable cooking stove

Images

**Publication data including kind & date**

CN203478340

U

2014-03-12

CN203478340U

**Abstract**

(CN203478340U)

The utility model relates to a stove, in particular to a portable cooking stove which comprises a stove body. A stove core is arranged in the stove body, a burning head is arranged at the upper end of the stove core, and the stove body and the stove core are both in a bucket-shaped structure with a closed lower end and an open upper end. A plurality of first through holes are formed in the stove core, and second through holes are formed in the stove body. A fan blowing air towards the interior of the stove body is arranged on the outside, corresponding to the second through holes, of the stove body, and a battery driving the fan is arranged on the fan. When the portable cooking stove is used, the fan is started, and the fan blows the air towards the interior of the stove body through the second through holes. Due to the fact that the first through holes are formed in the stove core, fuel in the stove core is quickly pyrolyzed, combustible gas overflows, and the combustible gas can quickly reach the burning head under the push of airflow in the stove core and burn, so that the fire erupted from the burning head is enhanced, a cooking utensil can be heated quickly, and intensity of the fire can be adjusted according to the intensity of the air blown by the fan.

Inventors

LI XUEYU

Latest standardized assignees - inventors removed

SICHUAN YANSEN FURNACE INDUSTRY

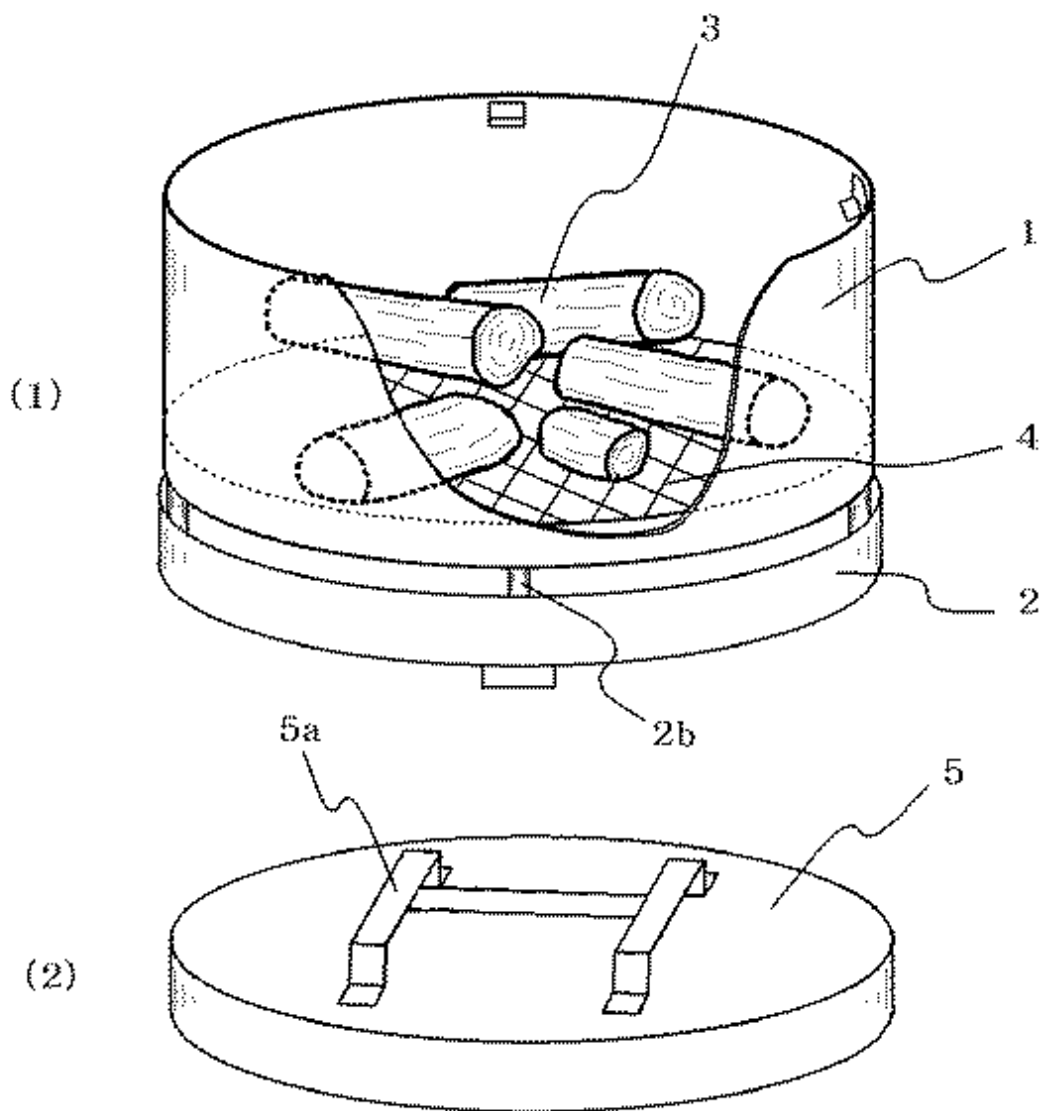
Family 17/100 - FAMPAT - ©Questel

Title

(JP2001272038)

Charcoal-fire portable cooking stove

Images

**Publication data including kind & date**[JP2001272038](#)

A 2001-10-05 JP2001272038

[JP4453990](#)

B2 2010-02-12 JP4453990

**Abstract**

(JP4453990)

PROBLEM TO BE SOLVED: To provide a charcoal-fire portable cooking stove that can reliably set or extinguish fire while charcoal is placed in a portable cooking stove, can be used on a table, is compact and can be used anywhere, and further can use Bincho charcoal with far infrared ray effect in the portable cooking stove that is used for leisure or the like.

SOLUTION: The charcoal-broiling portable cooking stove consists of a cylindrical container body whose upper portion is open and whose inside has a heat-insulating layer, an air intake port that is provided at the lower portion of the side surface of the cylindrical container body, a charcoal ignition means that is provided at the bottom of the inside of the cylindrical container body, and consists of solid fuel and a solid fuel combustion stand for placing the solid fuel for burning, a charcoal-burning stand that is provided at the upper portion of the charcoal ignition means in the cylindrical container body, and places charcoal for burning, and a lid body for closing the upper portion of the cylindrical container.

Inventors

MURAYOSHI MASAO

Latest standardized assignees - inventors removed

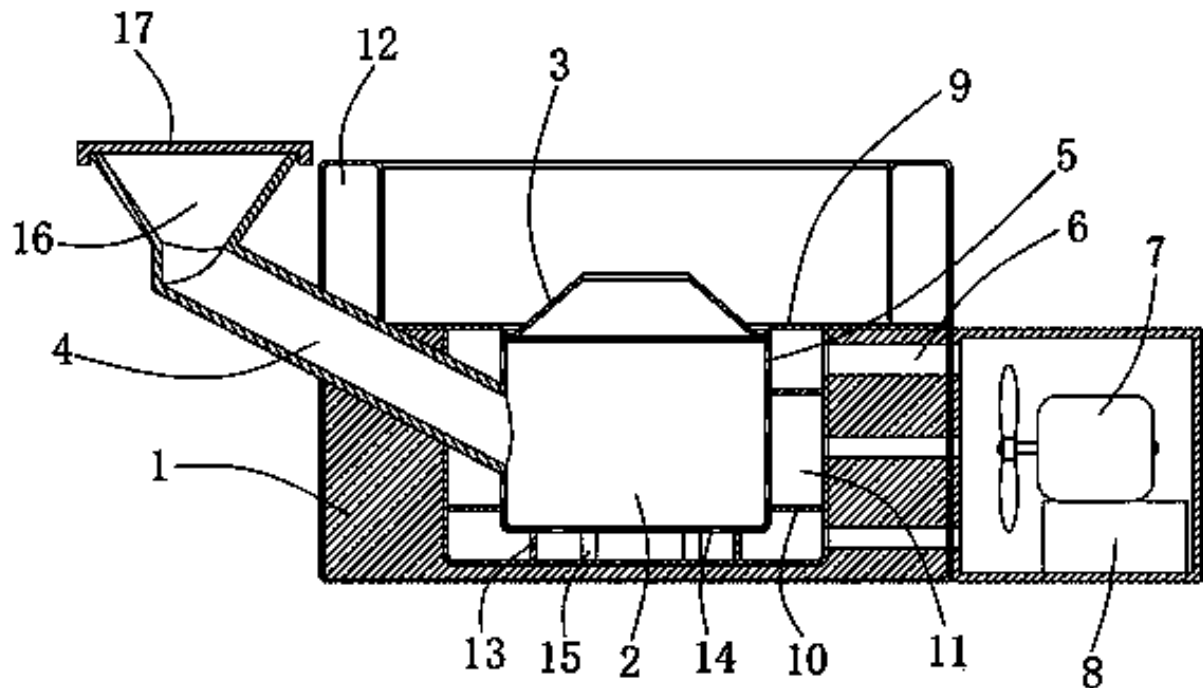
MURAKICHI GAS PRESSURE INDUSTRY

Title

(CN203478336U)

Portable cooking stove with feed port

Images



Publication data including kind & date

CN203478336

U 2014-03-12 CN203478336U



Abstract

(CN203478336U)

The utility model relates to a stove, in particular to a portable cooking stove with a feed port. The portable cooking stove comprises a stove body, a stove core is arranged inside the stove body, a burning head is arranged at the upper end of the stove core, a feed pipe is arranged on the stove body, one end of the feed pipe is located outside the stove body, the other end of the feed pipe penetrates through the stove body and the stove core and is stopped inside the stove core, the feed pipe is arranged in an inclined mode, and the end, located outside the stove body, of the feed pipe is higher than the end, located inside the stove core, of the feed pipe. When the stove core needs to be refueled, fuels can be fed into the stove core through the feed pipe without moving a heated cooker away, the portable cooking stove is easy and convenient to use, the risk happening when a user moves the cooker away is avoided, and heat inside the stove core is prevented from dissipating when the cooker is moved away.

Inventors

LI XUEYU

Latest standardized assignees - inventors removed

SICHUAN YANSEN FURNACE INDUSTRY

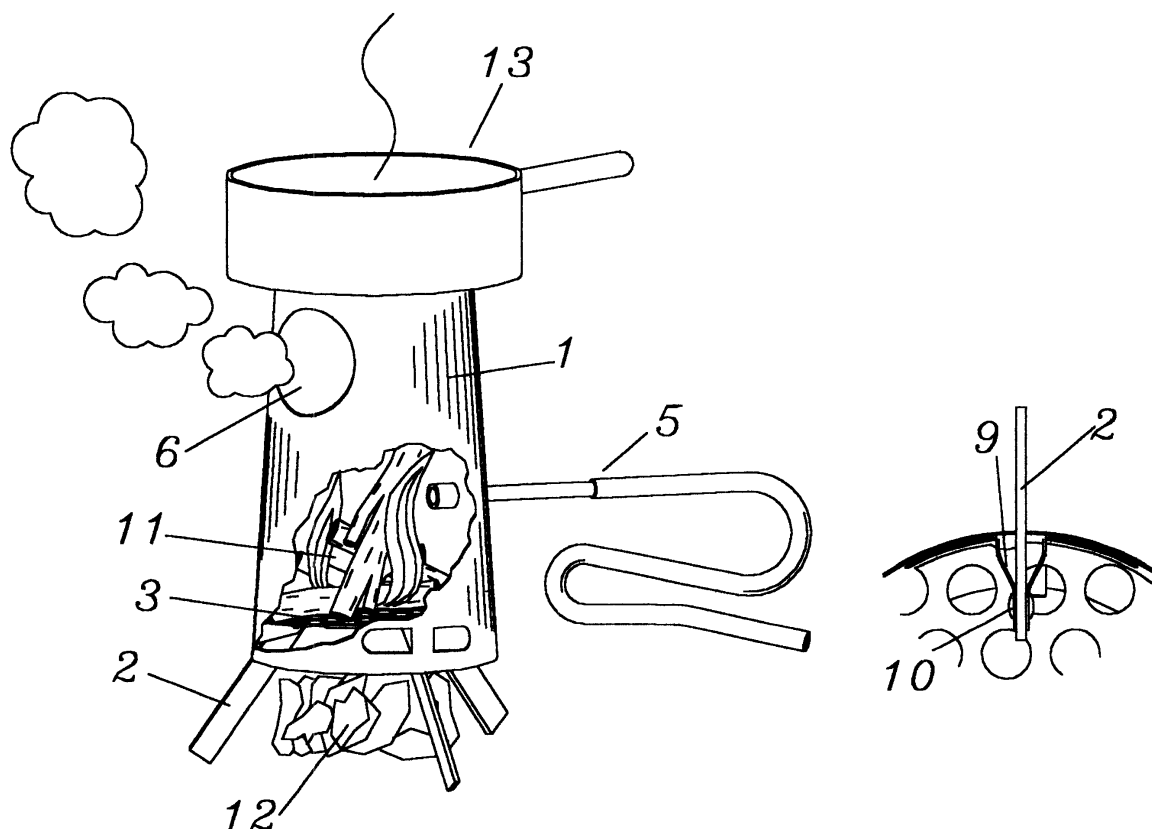
Family 19/100 - FAMPAT - ©Questel

Title

(US6520173)

Portable solid-fuel camp-stove

Images

**Publication data including kind & date**

US20010035175	A1	2001-11-01	US20010035175
US6520173	B2	2003-02-18	US6520173

**Abstract**

(US6520173)

A portable solid-fuel burning camp-stove with a unique air supply system that allows for sufficient thermal power output to facilitate cooking while keeping the size of the combustion chamber small enough to allow for acceptable packing weight for backcountry hiking. Pack stoves powered by gas or liquid fuels have the major disadvantages of the need to bring fuel and limited fuel supply. Solid fuel stoves have the advantage of being able to use fuel straight from nature in the form of wood, there is no need to carry fuel, generally these stoves are too heavy for backpacking since they need a large combustion chamber which makes these stoves too heavy for back packing. This invention allows for adequate combustion in an acceptably small chamber by blowing additional air into the combustion chamber for a higher combustion rate. The air is blown in by mouth through a hose and nozzle arrangement, thereby eliminating the need for extra air-pump hardware.

Inventors

LAUTNER ROBERT MARTIN

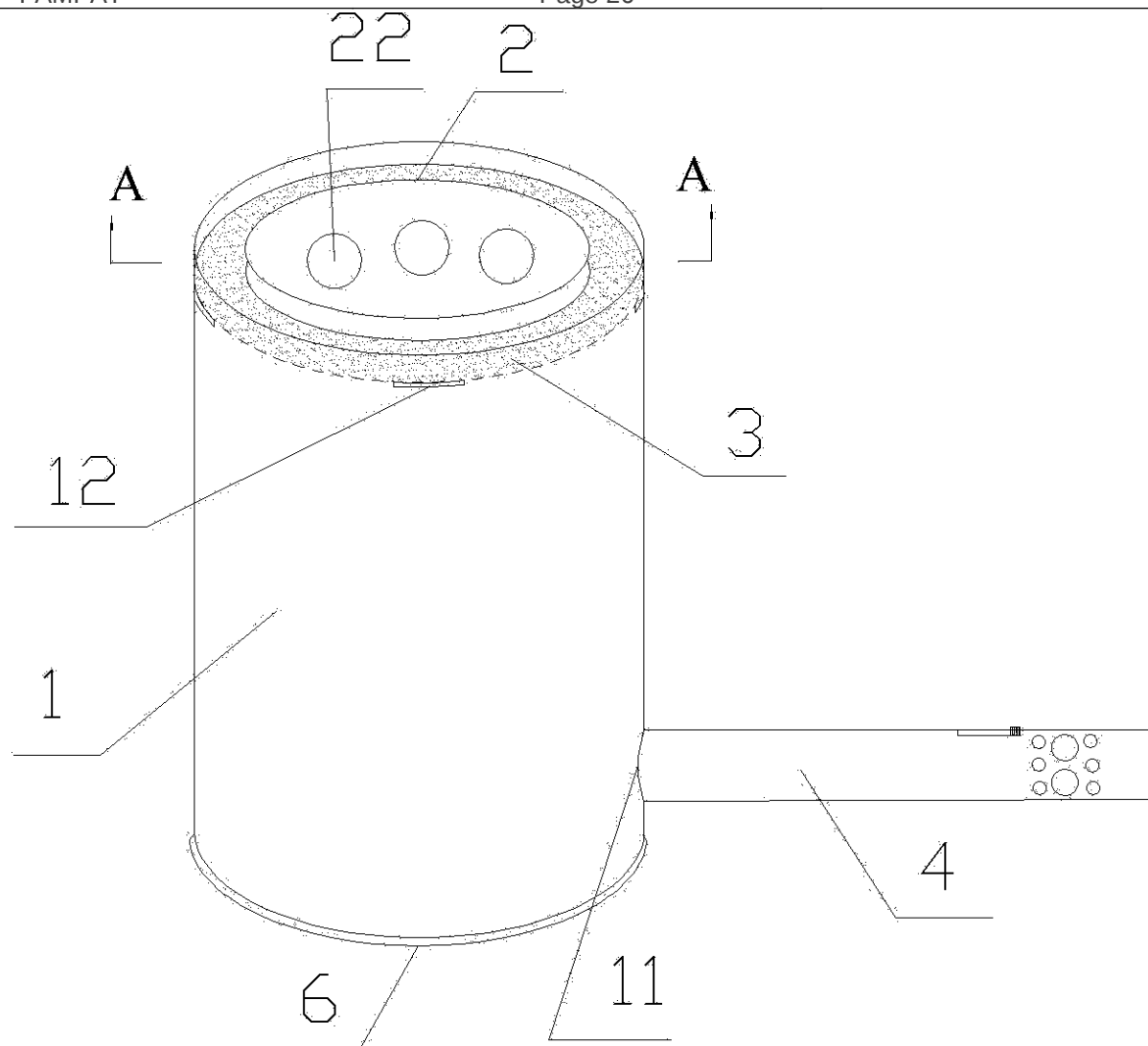
Family 20/100 - FAMPAT - ©Questel

Title

(CN203964014U)

Portable outdoor stove

Images

**Publication data including kind & date**

CN203964014

U

2014-11-26

CN203964014U

**Abstract**

(CN203964014U)

The utility model relates to a portable outdoor stove which is formed by detachably assembling a columnar outer stove body (1), a columnar inner stove body (2), an annular check ring (3) and an air inlet cylinder (4). The columnar outer stove body (1) and the columnar inner stove body (2) are defined by rectangular or approximately rectangular metal sheets. The columnar outer stove body (1), the columnar inner stove body (2) and the annular check ring (3) can be wound and placed in the air inlet cylinder (4) after the portable outdoor stove is detached. An outer stove air hole (11) is formed in the bottom of the columnar outer stove body (1). One end of the air inlet cylinder (4) is connected with the outer stove air hole (11). The columnar inner stove body (2) is provided with a plurality of top air holes (22) and a plurality of bottom air holes (21). The annular check ring (3) is arranged between the columnar outer stove body (1) and the columnar inner stove body (2). The portable outdoor stove can be assembled and disassembled quickly and conveniently, the parts are placed in the air inlet cylinder after the portable outdoor stove is detached, and the portable outdoor stove is small in size and convenient to carry. Firewood is high in heat of combustion, large in flame and high in combustion speed, and wet firewood can be combusted.

Inventors

CHEN FENG

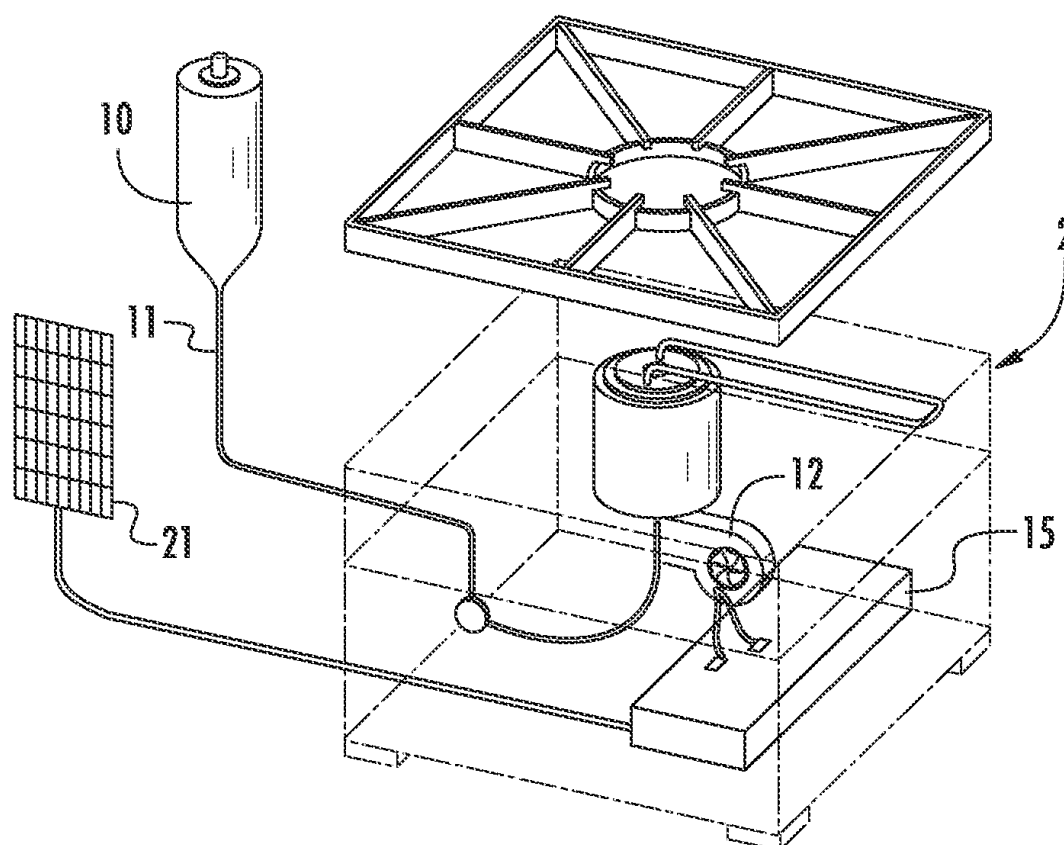
Family 21/100 - FAMPAT - ©Questel

Title

(WO2014210591)

Portable stove

Images



Publication data including kind & date

WO2014210591	A1	2014-12-31	WO2014210591
US20150000648	A1	2015-01-01	US20150000648
VN40549	A	2015-01-26	VN--40549



Abstract

(WO2014210591)

A portable stove is provided. The stove includes a frame including an upper portion with an opening and a lower portion. A combustion chamber is positioned directly below the opening of the upper portion of the frame. The combustion chamber is defined by an inner wall, and an outer wall spaced apart from the inner wall to define a cavity therebetween. The inner wall includes a plurality of holes spaced about a periphery. A tank for oil is provided. Any oil, such as vegetable oil, can be used. A feed line directs the oil from the tank into the combustion chamber. A fan is connected to the frame and is in communication with the cavity. The fan blows air into the cavity that travels through the holes and into the combustion chamber to provide air for combustion of the oil. An ignition element is provided for igniting the oil.

Inventors

JUNG CHINHU

CHO EUN J

LEE KYOUNG HEE

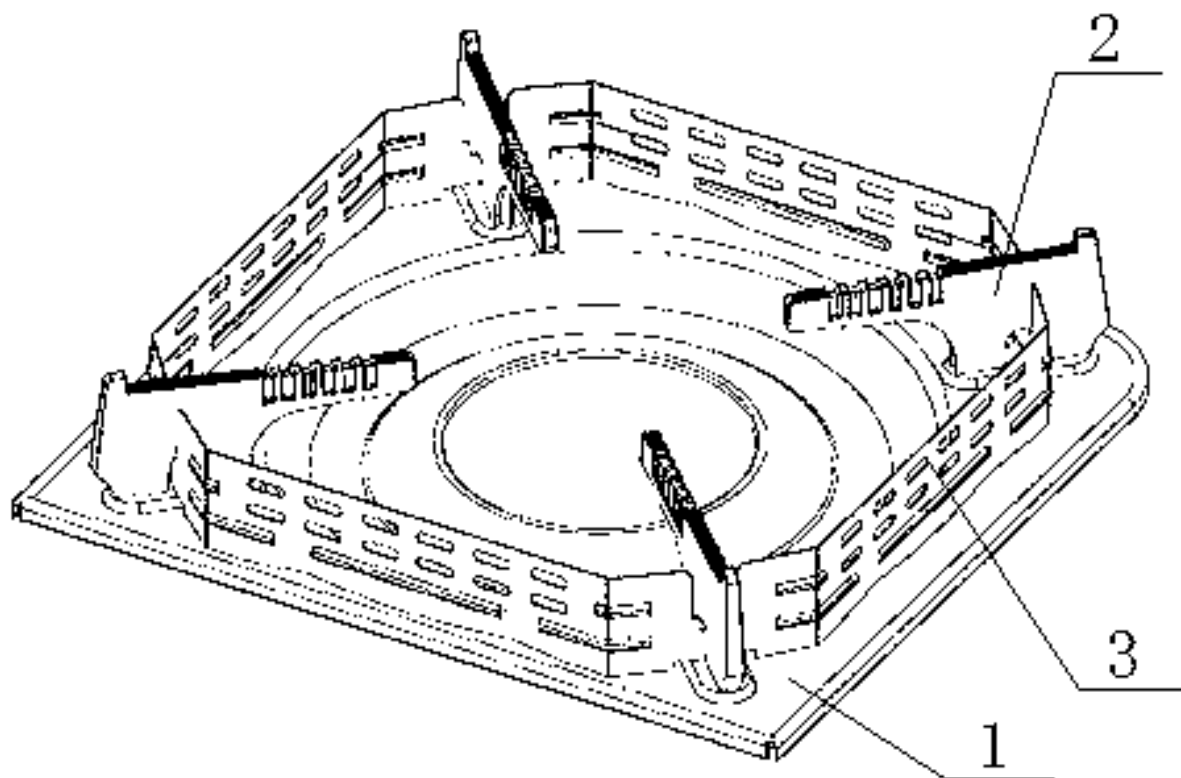
Family 22/100 - FAMPAT - ©Questel

Title

(CN203298374U)

Wind-shielding device for portable-type gas stove

Images

**Publication data including kind & date**[CN203298374](#)

U

2013-11-20

CN203298374U

**Abstract**

(CN203298374U)

The utility model discloses a wind-shielding device for a portable-type gas stove. The wind-shielding device is composed of four wind-shielding sheets (3) with two projected ends and openings in the middle; the wind-shielding sheets (3) are installed on a liquid-holding disc (1); the two ends of each wind-shielding sheet (3) are respectively connected to a nick of each furnace leg (2). The wind-shielding device for the portable-type gas stove disclosed by the utility model is connected to the nicks of the furnace legs of the portable-type gas stove, capable of being automatically detached and convenient to clean; the openings are formed in the middle of the wind-shielding device, so that the flame combustion of a furnace head in the middle of the gas stove can be more adequate, and a ventilation effect can also be realized; additionally, a gap is left between the bottom of the wind-shielding device and the liquid-holding disc, and capable of dissipating heat and further effectively preventing the temperature of the liquid-holding disc from being too high.

Inventors

DING HAIGUO

Latest standardized assignees - inventors removed

MAXSUN

Family 23/100 - FAMPAT - ©Questel

Title

(CN201452922U)

Portable stove for traveling

Images

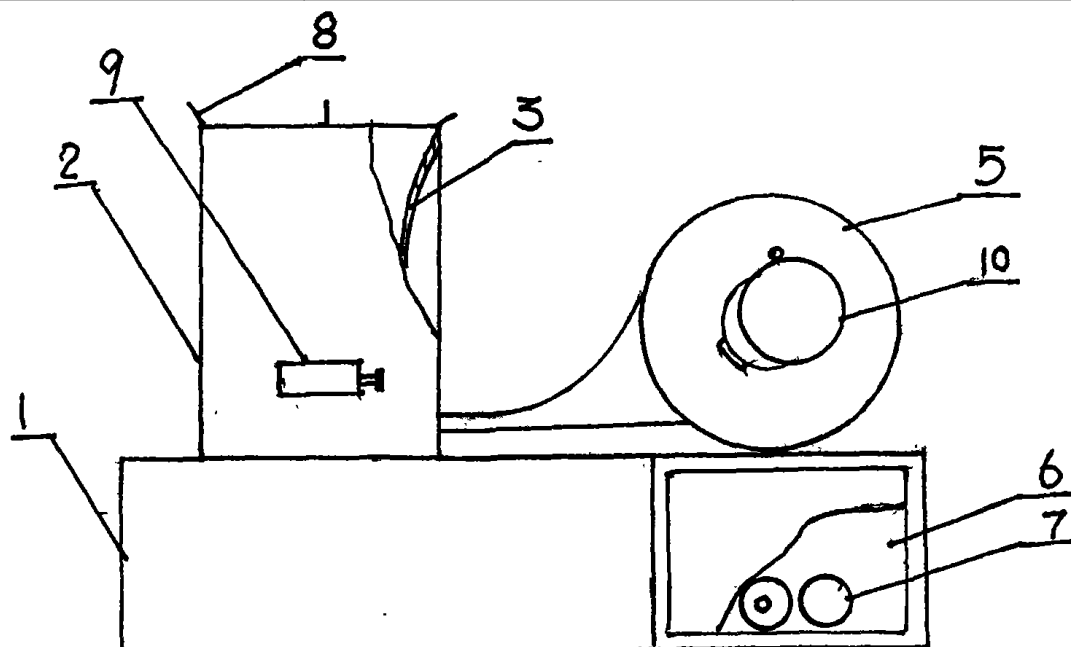


图 1

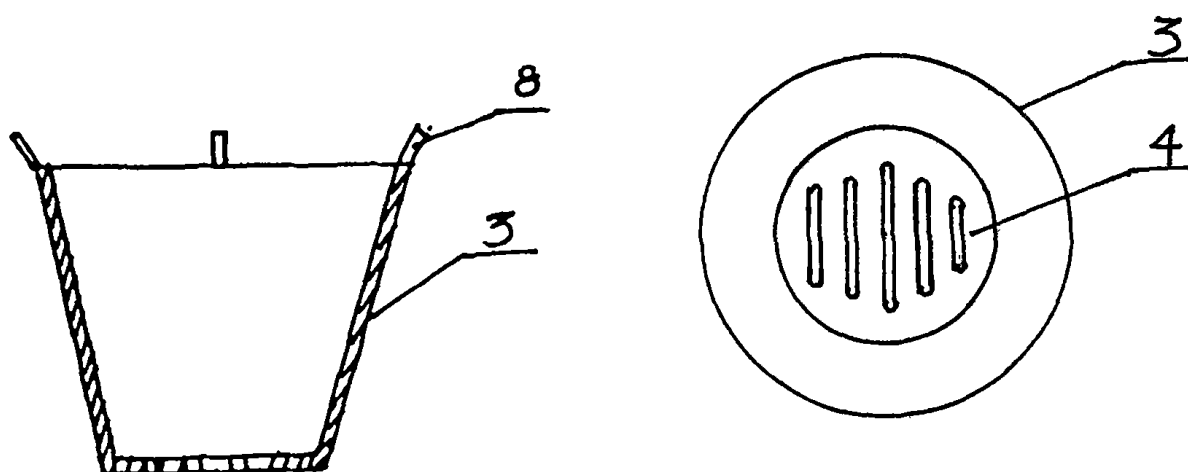


图 3

图 2

Publication data including kind & date

CN201452922

U

2010-05-12

CN201452922U

**Abstract**

(CN201452922U)

The utility model relates to a portable stove for traveling, which is characterized in that a stove body with a micro-cavity is fixed on a table-board on the upper end of a base, a stove lining which is matched with the cavity body is arranged inside the hollowed stove body, a plurality of grates are arranged on the bottom part of the stove lining, a micro-blower is fixed on the other end of the table-board on the upper end of the base, a blast nozzle of the blower is communicated with the cavity body on the lower part of the stove body, the base which is arranged below the micro-blower is provided with battery box, and a battery which is arranged inside the battery box is connected with a motor on the micro-blower through a conducting wire. The portable stove for traveling has compact and simple structure, reasonable design, easy processing, low cost, small size, light weight, convenient carry and safe application, and is particularly applicable to the outdoor dining of the tourists and to the heating and baking of the carried food.

Inventors

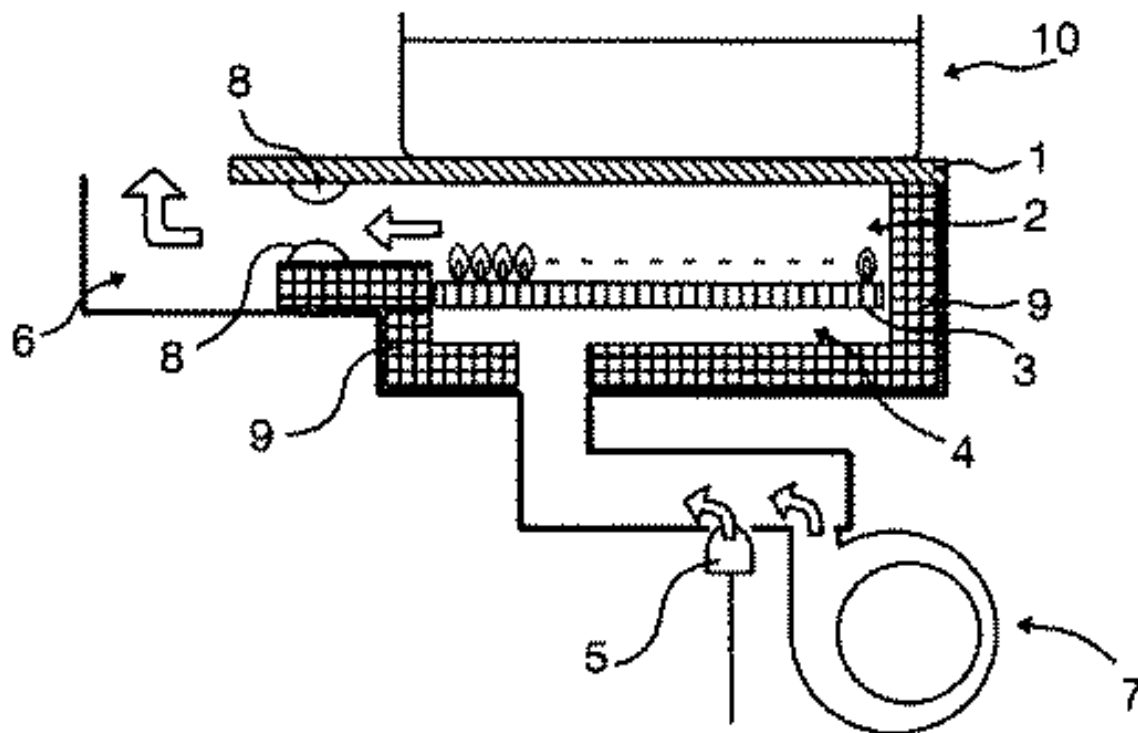
WEN ZHONGLIANG

Family 24/100 - FAMPAT - ©Questel

Title

(JP2004085061)

Portable cooking stove

Images**FIG.1****Publication data including kind & date**

JP2004085061	A	2004-03-18	JP2004085061
JP3762903	B2	2006-01-20	JP3762903

**Abstract**

(JP3762903)

PROBLEM TO BE SOLVED: To provide a portable cooking stove capable of quickly heating an object to be heated even when a glass plate has low temperature such as a case immediately after starting burning of a burner.

SOLUTION: This portable cooking stove is provided with the glass plate 1 on which the object 10 to be heated such as cookware is put, the burner 3 provided by opposing to the glass plate 1 in a combustion chamber 2 using all or a part of a top plate as the glass plate 1, a gas nozzle 5 supplying fuel gas into the burner 3 through a mixture chamber 4, and a fan 7 supplying primary air into the burner 3 through the mixture chamber 4 and discharging combustion exhaust gas in the burner 3 through an exhaust passage 6 communicating with the combustion chamber 2. An orifice (restriction part) 8 suppressing flow rate of combustion exhaust gas of the burner 3 is provided in the exhaust passage 6. A heat radiation suppressing body 9 is provided in all or a part of the combustion chamber 2, the exhaust passage 6 on the upstream side more than the orifice 8, and a wall face of the mixture chamber 4 except the glass plate 1.

COPYRIGHT: (C)2004,JPO

Inventors

TAMURA TAKAYUKI

SOFUE TSUTOMU

YANO KOJI

YAMADA YUTAKA

Latest standardized assignees - inventors removed

RINNAI

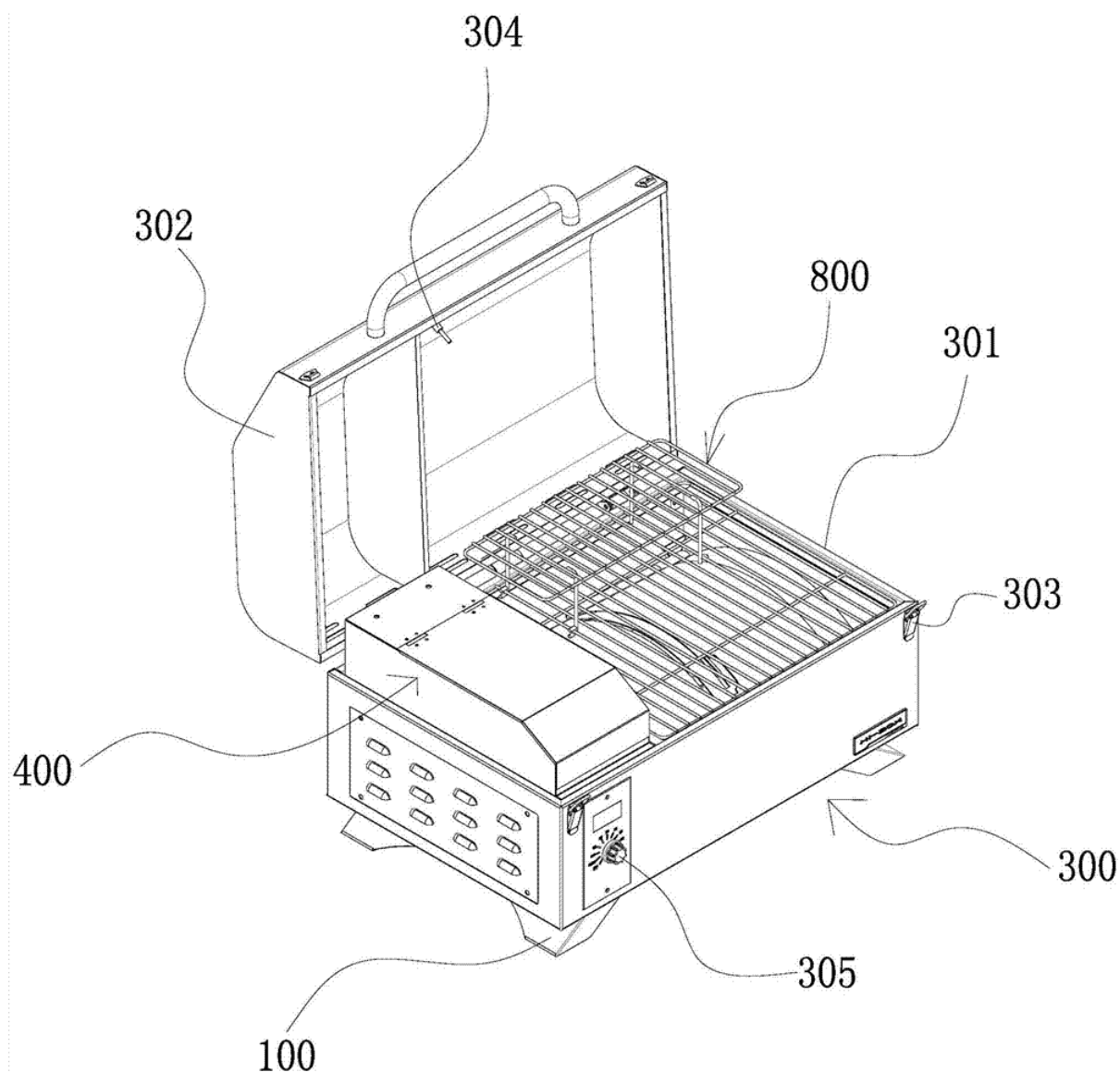
TOKYO GAS

Family 25/100 - FAMPAT - ©Questel

Title

(CN107456111)

Portable biomass fuel grilling stove

Images**Publication data including kind & date**[CN107456111](#)

A

2017-12-12

CN107456111

**Abstract**

(CN107456111)

The invention relates to a portable biomass fuel grilling stove. The portable biomass fuel grilling stove comprises a support and a grilling stove body fixedly arranged on the support; the grilling stove body comprises a grilling oven, a feeding device, a feeding mechanism, an oil collection device and a grilling device; the grilling oven comprises a grilling oven body and a grilling oven cover; the feeding device, the feeding mechanism, the oil collection device and the grilling device are arranged in the grilling oven; the feeding device, the feeding mechanism and the grilling device are connected in sequence, the oil collection device is located at the upper portion of the grilling device, and is arranged corresponding to the grilling device;

the oil collection device is provided with a grilling shelf, and the grilling shelf is detachably connected to the grilling oven body; through detachable connection of the grilling oven cover and the grilling oven body, and when the grilling stove does not need to be used, the grilling oven cover can cover the grilling oven body. Through the structure, the size of the grilling stove can be greatly reduced, the portability of the grilling stove is truly achieved, it is very convenient for people to carry the stove while going out, and the transportation space cost is reduced; meanwhile, when the portable biomass fuel grilling stove is placed at home, the storage space cannot be occupied too much.

Inventors

MIN DAWEI

Latest standardized assignees - inventors removed

PINGHU WEIFENG SCIENCE & TECHNOLOGY

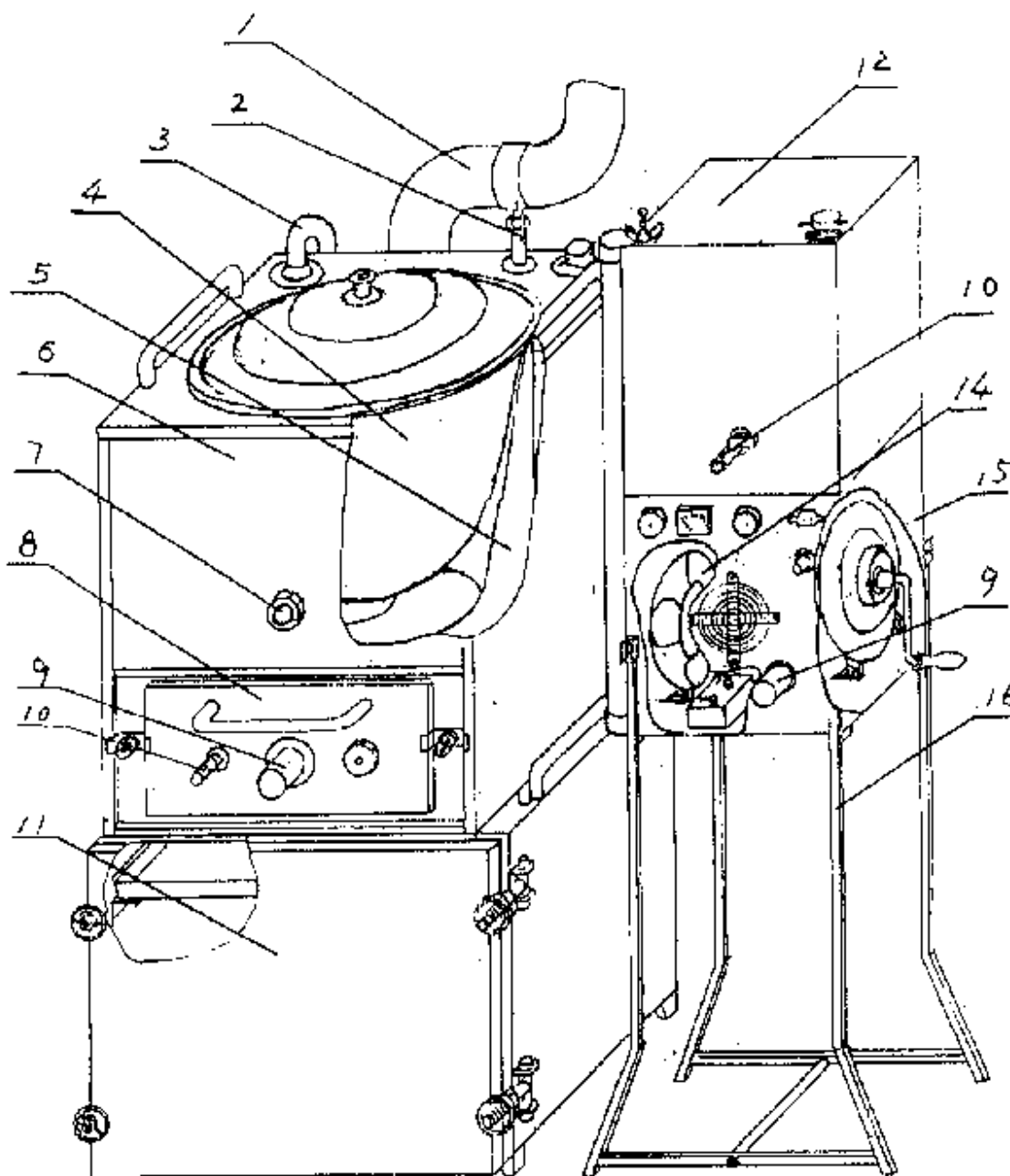
Family 26/100 - FAMPAT - ©Questel

Title

(CN2641494U)

Portable, combination and multi-functional stove

Images



Publication data including kind & date

CN2641494

Y 2004-09-15

CN2641494U

**Abstract**

(CN2641494U)

The utility model relates to a portable, assembled and multifunctional cooking stove which is composed of a cooking stove, a steam oven, a fuel chamber and a control cabinet, wherein the cooking stove body is in the structure of an interbedded water jacket; the bottom of the cooking stove is provided with a drawer type movable burner, and the upper part is a fire box. A chimney extends from the backside, and the steam oven is in the structure of square which is connected with the interlayer of the cooking stove body through steam hoses. The fuel chamber and the control cabinet are an integrated structure, and fuel pipes are connected between the burner and the fuel chamber. A draught fan device is arranged in the control cabinet and is communicated with the burner of the cooking stove through a blast tube. The cooking stove, the steam oven, the fuel chamber and the control cabinet are in separated structure with building block module type, which is convenient and flexible to carry, assemble and place. The interbedded water jacket makes full use of the residual heat of the cooking stove, which can be used for the steam oven to steam rice and disinfect dinner service. The structure of the movable burner with drawer type is suitable for various fuels, such as liquid, gas and solid, and ensures the normal work of the cooking stove.

Inventors

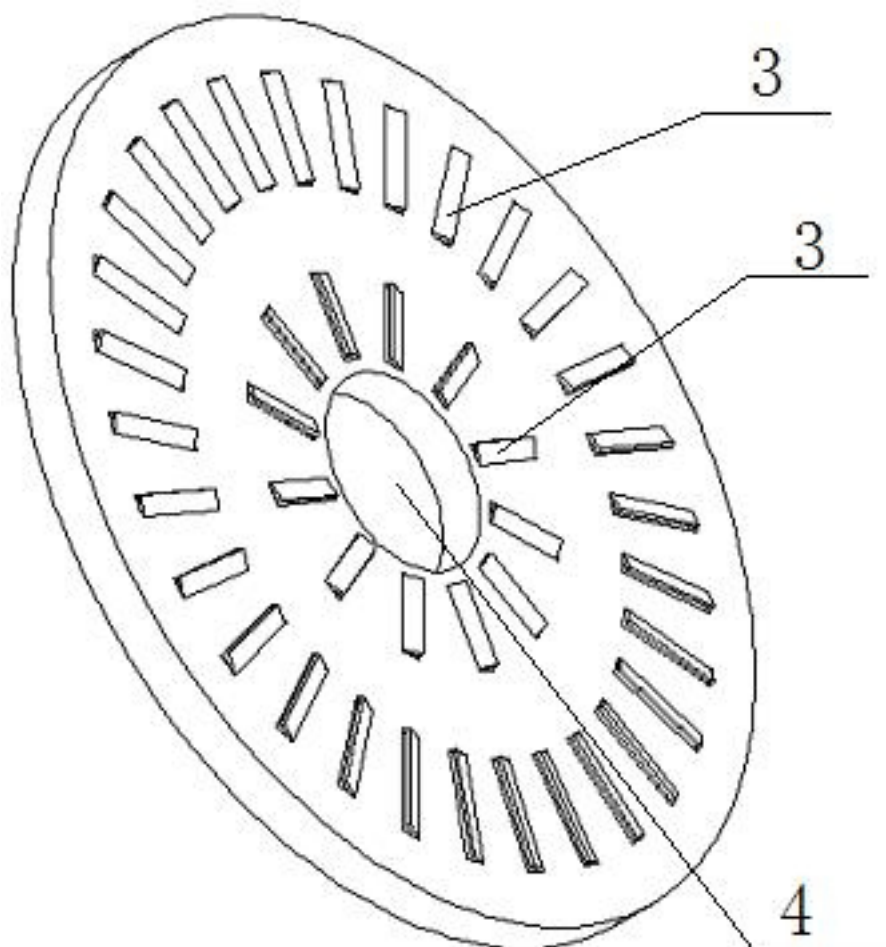
WU XIANZHONG

Family 27/100 - FAMPAT - ©Questel

Title

(CN102679358)

Whirlwind distributor for portable gas stove bodies

Images**Publication data including kind & date**

[CN102679358](#)

A 2012-09-19 CN102679358

Abstract

(CN102679358)

The invention discloses a whirlwind distributor for portable gas stove bodies, which is characterized in that the center of the distributor is provided with a round hole, the distributor is provided with fan-shaped air outlets, the air outlets are arranged in an inside and outside circular arrangement mode, and openings of the air outlets are oppositely arranged. According to the whirlwind distributor for portable gas stove bodies, because an inside-outside circular air outlet structure is adopted, the direction of each flame can be adjusted manually, so that the flames are formed into a whirlwind flame state, and in the process of heating air, because of an air ascending principle, the oxygen content can be increased, so that the flames are combusted more completely; after whirlwind flames are formed by using the circular air outlets, the heat of the flames can be more concentrated, therefore, the heat loss is reduced, and the heat energy loss can be reduced through persistently keeping at a high-heat-power state; and after whirlwind flames are formed by using the circular air outlets, a whirlwind heating process is formed for the bottom of a pan, so that the bottom of the pan can be heated uniformly.

Inventors

DING HAIGUO

Latest standardized assignees - inventors removed

MAXSUN

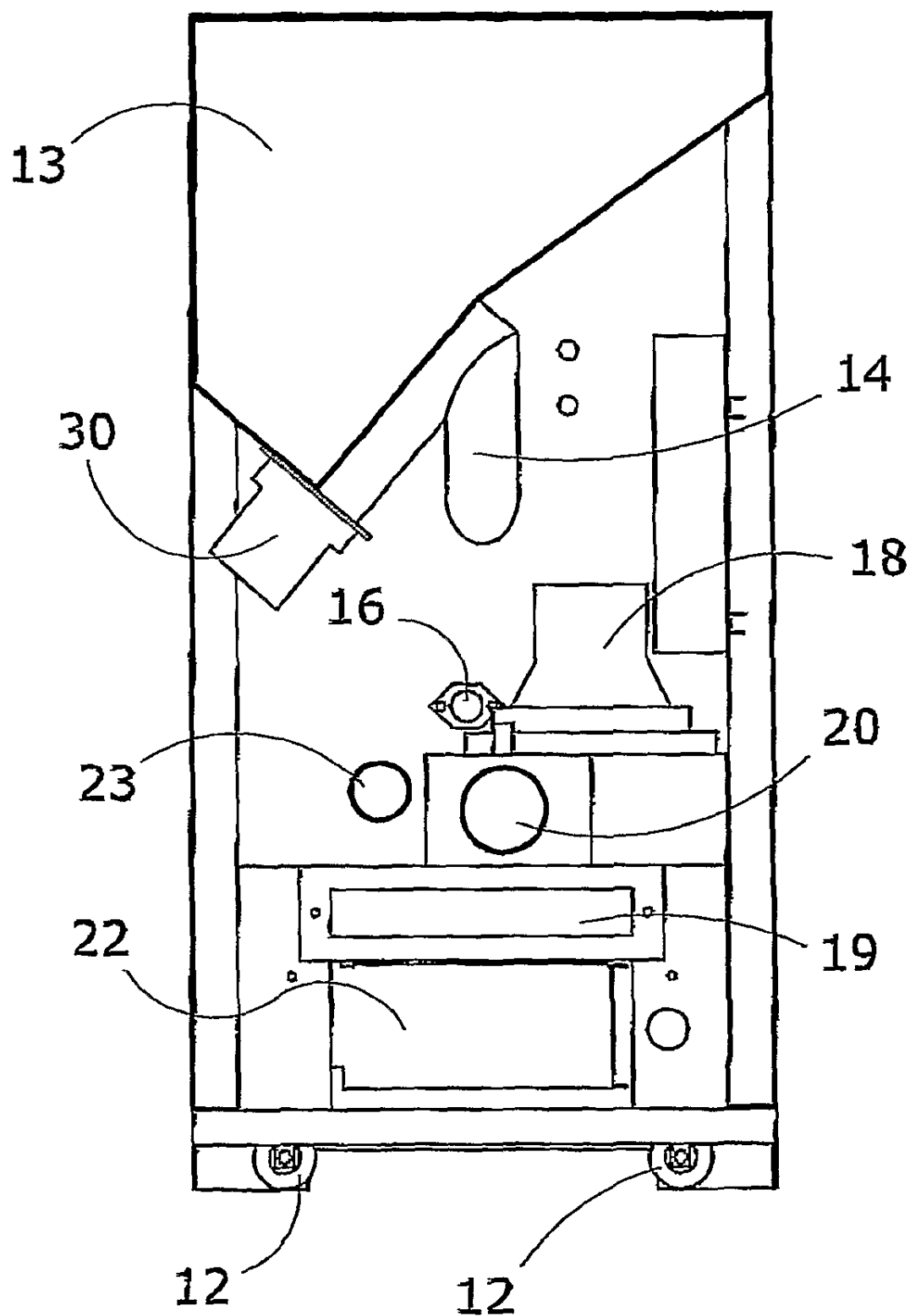
Family 28/100 - FAMPAT - ©Questel

Title

(WO2006109346)

Pellet-fed compact and portable stove and method for the use of the stove

Images



Publication data including kind & date

ITVR20050044	A1	2006-10-15	IT2005VR0044
WO2006109346	A2	2006-10-19	WO2006109346
WO2006109346	A3	2007-02-15	WO2006109346



Abstract

(WO2006109346)

A pellet-fed type stove comprises a pellet hopper (13), a duct (14) for transferring the pellets to a burn chamber (15) and a motor to feed the pellets from the hopper to the burn chamber, means (16) for igniting the pellets when they are in the burn

chamber (15), at least one combustion chamber and a vent (20) for discharging the smoke generated by the combustion of the pellets. The stove also comprises a circuit for heating the ambient air fitted with an external air suction motor (22) , at least one heat exchanger (21, 21') in contact with the combustion chamber and at least one radiator (24) for output of the air heated in the heat exchanger. It also comprises an extractable pan (19) situated between the combustion chamber and the smoke vent (20) , this extractable pan (19) being designed to collect and store toxic residues, powder and fine ash generated by the combustion smoke.

Inventors

FABRIS DUBLINIO RUGGERO

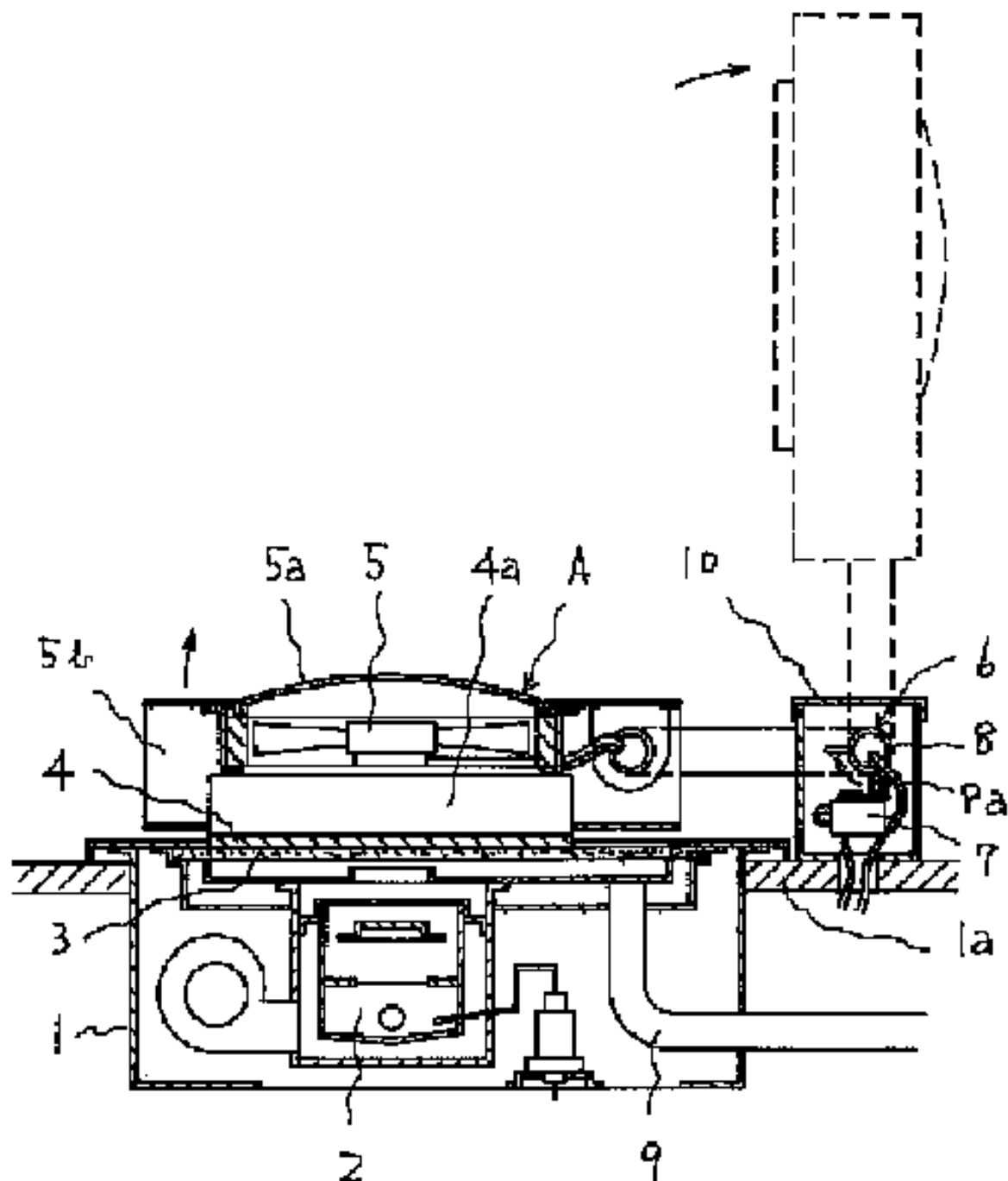
Family 29/100 - FAMPAT - ©Questel

Title

(JP05332543)

Warm air heater for portable cooking stove using hot plate

Images



Publication data including kind & date

JP05332543	A	1993-12-14	JP05332543
JP2727873	B2	1998-03-18	JP2727873



Abstract

(JP2727873)

PURPOSE:To provide a warm air heater to be also used as a heat source of a portable cooking stove for cooking to be used in a narrow cabin of a yacht, a boat, a camping vehicle, etc. **CONSTITUTION:**A warm air heater A having a heat collecting material 4, a fin 4a and a fan 5 integrated on a hot plate 3 of a portable cooking stove for cooking by using the plate 3 is so rotated to be mounted on the plate 3 as to be able to be brought into contact with or separated from the plate 3. A switch 7 of the fan 5 is turned ON, OFF in cooperation with the contact or separation of the heater A with or from the

plate 3, and the stove using the plate 3 is used also as the heater.

Inventors

Garden plot

Latest standardized assignees - inventors removed

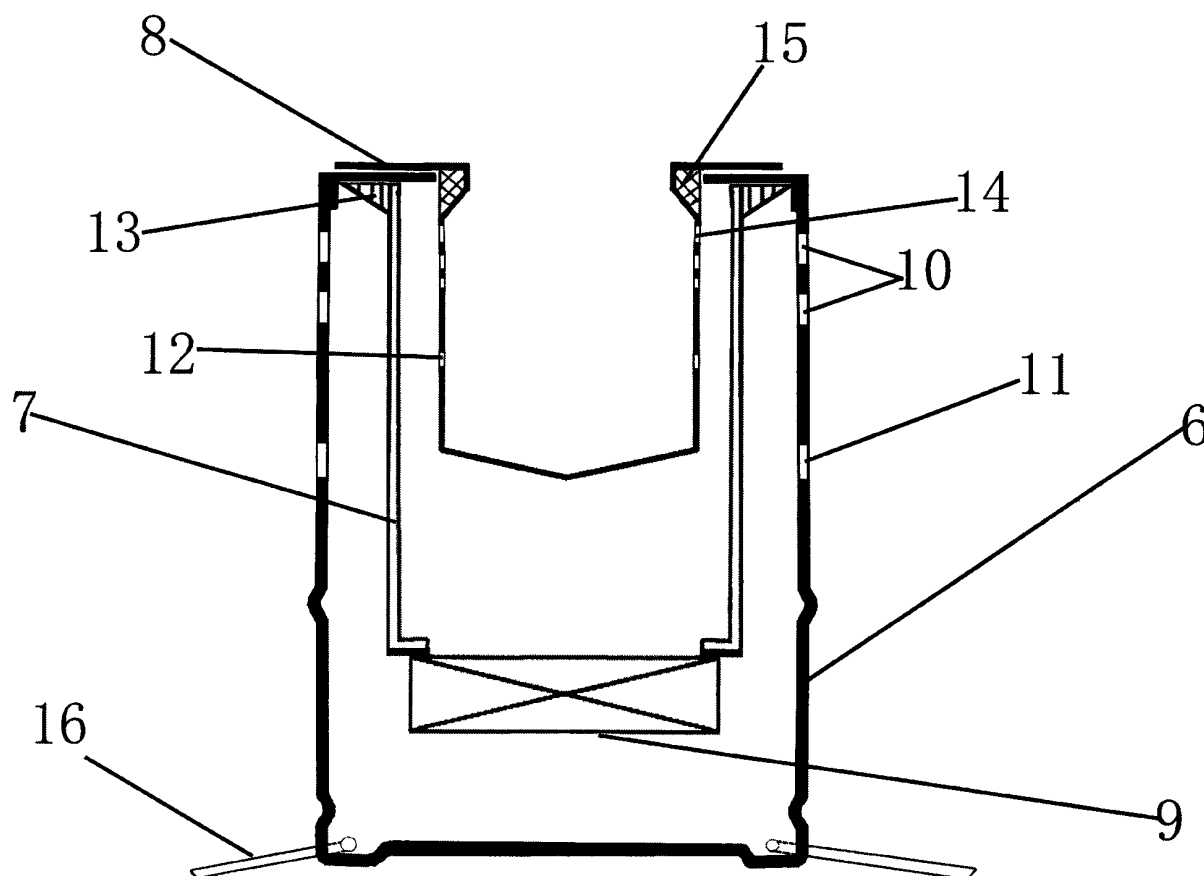
TOYOTOMI

Family 30/100 - FAMPAT - ©Questel

Title

(CN204806475U)

Novel portable camp stove

Images**Publication data including kind & date**

[CN204806475](#)

U

2015-11-25

CN204806475U

**Abstract**

(CN204806475U)

The utility model relates to a novel portable camp stove is divided into upper portion and lower part, and upper portion is for preventing wind the kitchen range, and the lower part includes thermal current ladle body, inner bag and the furnace who charges, and furnace overlaps inside the inner bag, and the inner bag is installed in the thermal current ladle body, prevent wind the kitchen range to install in thermal current ladle body top, and the inner wall and the inner bag surface of thermal current ladle body are equipped with the heat insulating coat, thermal current ladle body upper portion is equipped with the exhaust hole, and the waist is equipped with the inlet port in the thermal current ladle body, and folding supporting legs is installed to thermal current ladle body bottom, inner bag bottom fixed connection the fan. The utility model discloses simple structure convenient to carry, thermal -insulated effectual, the fuel availability is high.

Inventors

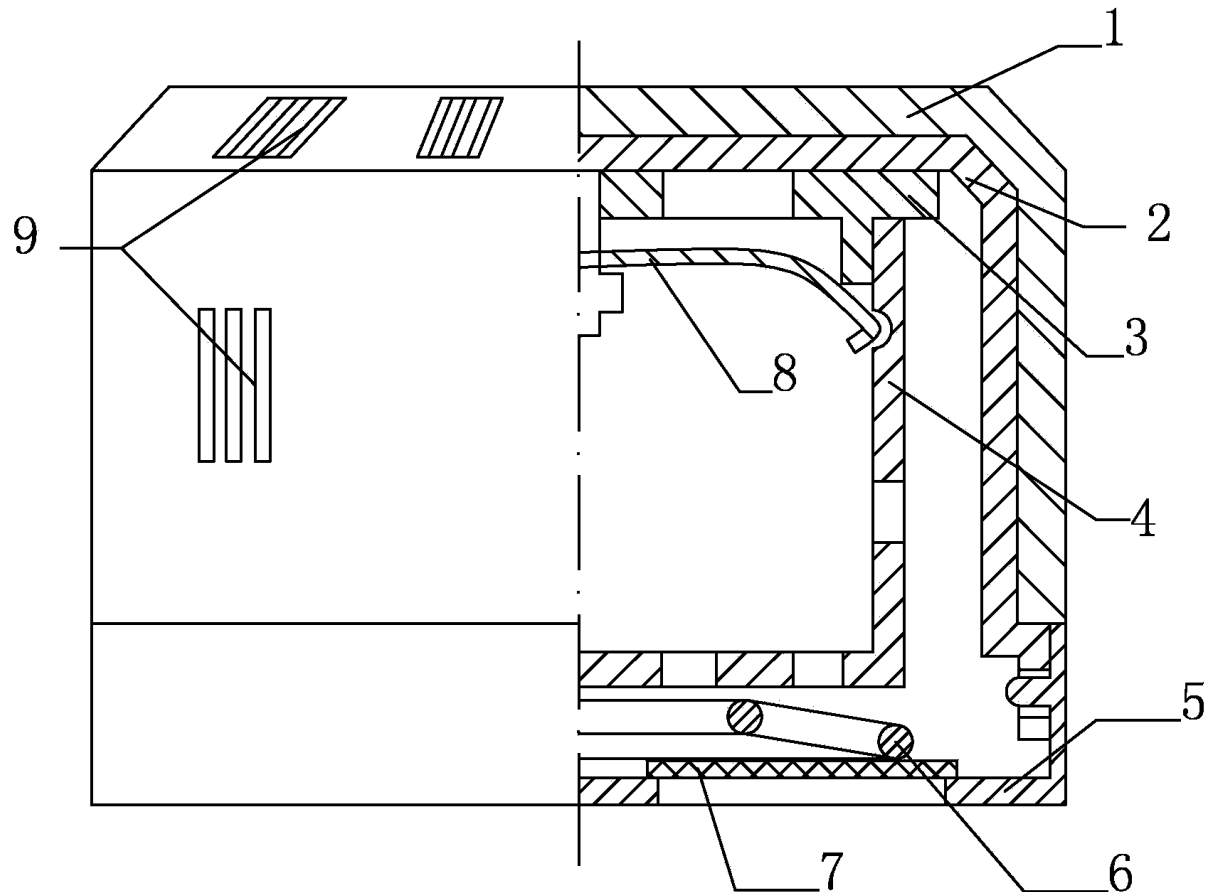
ZHU LIHUA

Family 31/100 - FAMPAT - ©Questel

Title

(CN204246479U)

Acupuncture point moxibustion tool

Images**Publication data including kind & date**[CN204246479](#)

U

2015-04-08

CN204246479U

**Abstract**

(CN204246479U)

The utility model provides an acupuncture point moxibustion tool. A main body is a hollow barrel with an upper end surface; a side surface of the lower end of the main body is projected outwards so that a step-shaped flange is formed; a plurality of groups of through holes are uniformly distributed in the upper end surface and the side wall of the main body; an upper cover is arranged on the main body and is matched with the main body except for the step-shaped flange on the lower portion of the main body; through holes which correspond to the upper end surface and the side wall of the main body are formed in the upper cover; the main body is provided with the upper end surface; a moxibustion stove cover is arranged on the inner side of the upper end surface and is provided with a clamp spring; an annular groove which corresponds to the clamp spring is formed in the inner wall of an opening end of a moxibustion stove; the moxibustion stove is connected with the moxibustion stove cover through the annular groove; a lower end cap is arranged on the lower portion of the main body and is provided with a through hole; a grid is arranged on the through hole; a clamp ring is arranged in the middle of the lower end cap; and a cloth bag wraps a device consisting of the upper cover, the main body and the lower end cap. The acupuncture point moxibustion tool is attractive in appearance, small in structure and convenient to carry.

Inventors

FAN HONGJIE

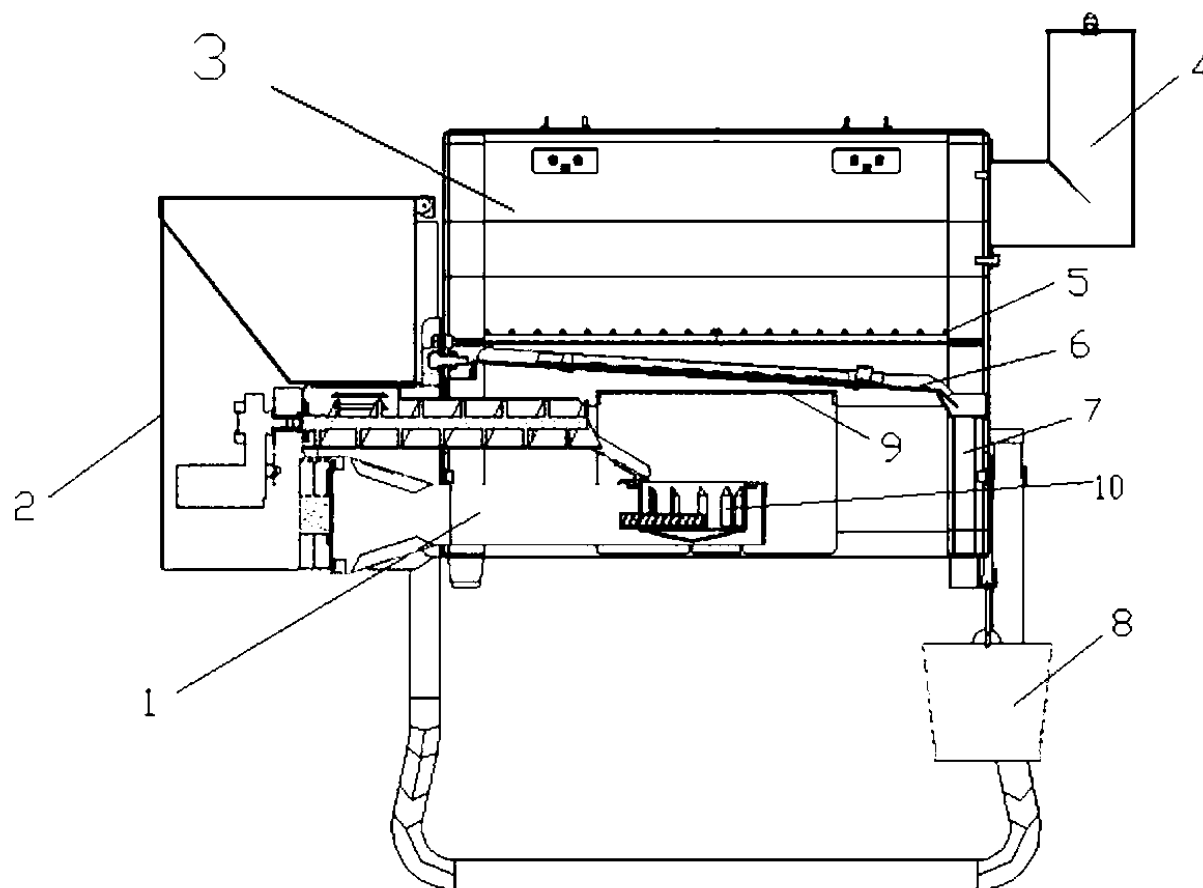
Family 32/100 - FAMPAT - ©Questel

Title

(CN203138137U)

Portable granular fuel food barbecue stove

Images

**Publication data including kind & date**

CN203138137

U 2013-08-21 CN203138137U

**Abstract**

(CN203138137U)

A portable granular fuel food barbecue stove comprises stove-supporting frames, a barbecue stove box assembly and a feed mechanism and air supply mechanism assembly; the barbecue stove box assembly is mounted on the stove-supporting frames, and the feed mechanism and air supply mechanism assembly is connected with the barbecue stove box assembly. The portable granular fuel food barbecue stove has the advantages that: with a small-sized box coupled with the folding stove-supporting frames, the whole barbecue stove can be conveniently put into the trunk of a sedan; a 12VDC (direct-current) low-voltage power consumption system can ensure that the portable granular fuel food barbecue stove can directly obtain power from the cigarette lighter socket of a sedan when in field use, so the portable granular fuel food barbecue stove is particularly suitable for use in field barbecue by families during outings; a digital electronic temperature control system which utilizes the signals of a temperature sensor to carry out closed-loop control can adjust the duty cycles of the control signals of a feed motor and an air supply motor in time, so that the temperature of a barbecue area can operate according to a predetermined temperature curve, and thereby the accuracy and stability of the temperature of a temperature control point are guaranteed; and because a double-purpose two-way air supply scheme is adopted, not only is space saved, but also the air supply effect is guaranteed.

Inventors

WANG PING

Latest standardized assignees - inventors removed

GREEN MOUNTAIN GRILLS

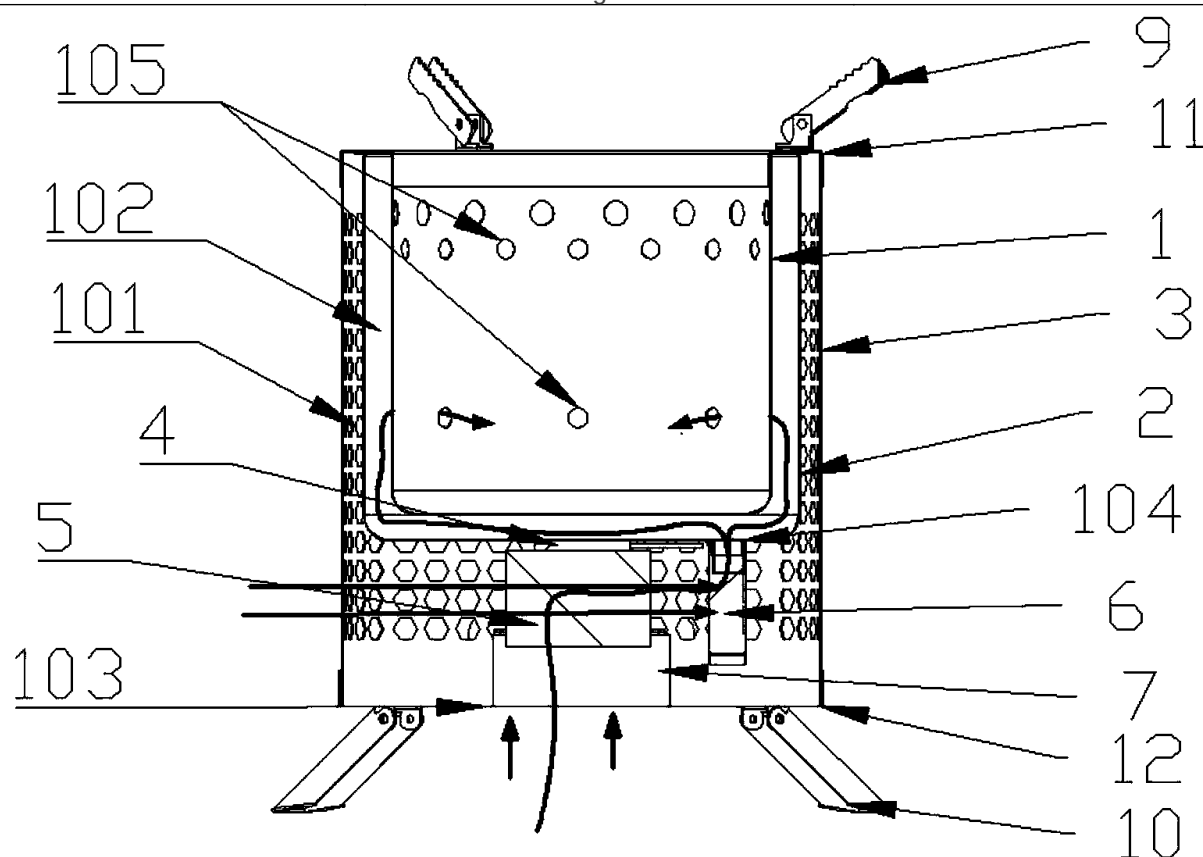
Family 33/100 - FAMPAT - ©Questel

Title

(CN205026735U)

Portable electricity generation faggots stove

Images

**Publication data including kind & date**

CN205026735

U

2016-02-10

CN205026735U

**Abstract**

(CN205026735U)

The utility model provides a portable electricity generation faggots stove, include by setting gradually shell, outer courage and inner bag outward in to, still include thermoelectric generation piece, radiator, radiator fan, detachable portable power source box contain electronic circuit board and lithium cell in the portable power source box, portable power source box still connects thermoelectric generation piece, radiator fan, courage or inner bag bottom outside are installed to thermoelectric generation piece and radiator, the upper and lower two sides of outer courage is equipped with upper cover and lower cover respectively covers on, and sets up pot support, and the lower cover bottom sets up the furnace body landing leg. The utility model discloses utilize faggots furnace cooling hot junction temperature difference to generate electricity, the high temperature of faggots stove combustion chamber is absorbed in the hot junction of thermoelectric generation piece, and the cold junction passes through radiator and radiator fan lowering the temperature, can form the great difference in temperature, and the exportable power of counting more than the tile is applicable to various outdoor power consumptions.

Inventors

LI JUNTAO

Latest standardized assignees - inventors removed

TIANJIN SYNERGY GROUPS

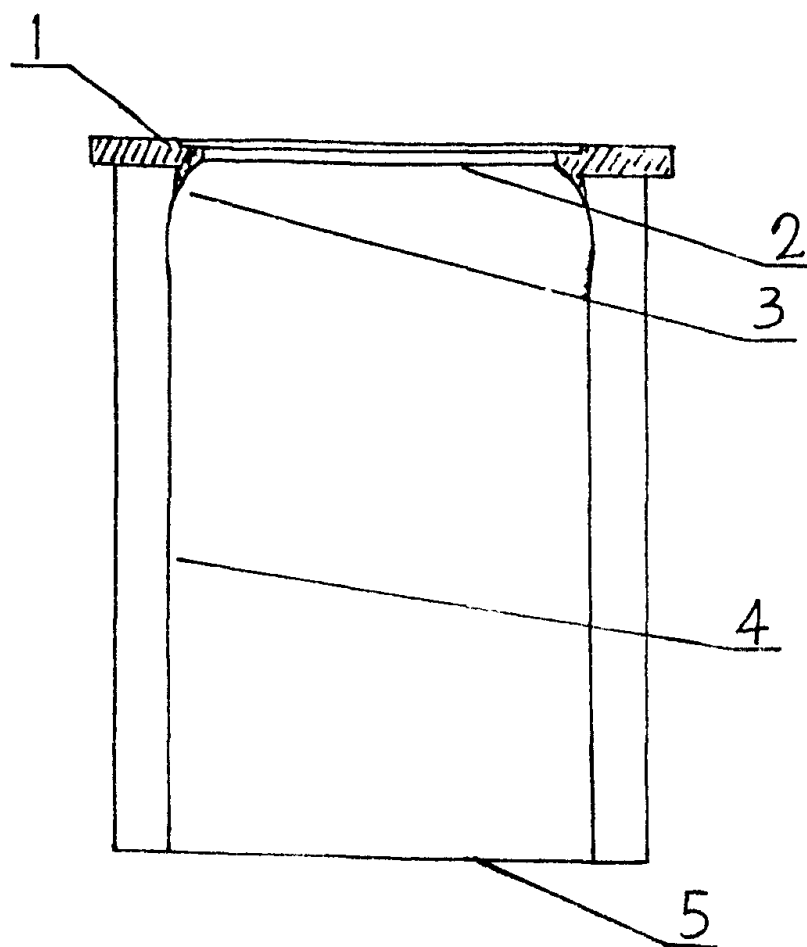
Family 34/100 - FAMPAT - ©Questel

Title

(CN2146667U)

Energy-saving efficient hearth

Images

**Publication data including kind & date**

CN2146667

Y

1993-11-17

CN2146667U

**Abstract**

(CN2146667U)

The utility model relates to an energy-saving efficient hearth made of fire-resistant material. The lower part of an inner cavity is in the form of a cylinder, the upper part is an arc-shaped cavity with concave curved surface, and a heat accumulating cavity which is made of metal material and whose shape is similar to the upper part of the stove chamber is arranged on the new stove to reform the old range. The utility model has good burning effect, can improve the temperature in the stove, makes full use of the heat energy of the fuel and has good consumer market.

Inventors

FAN CUNYOU

Family 35/100 - FAMPAT - ©Questel

Title

(WO2015137800)

Portable stove for solid fuels

Images

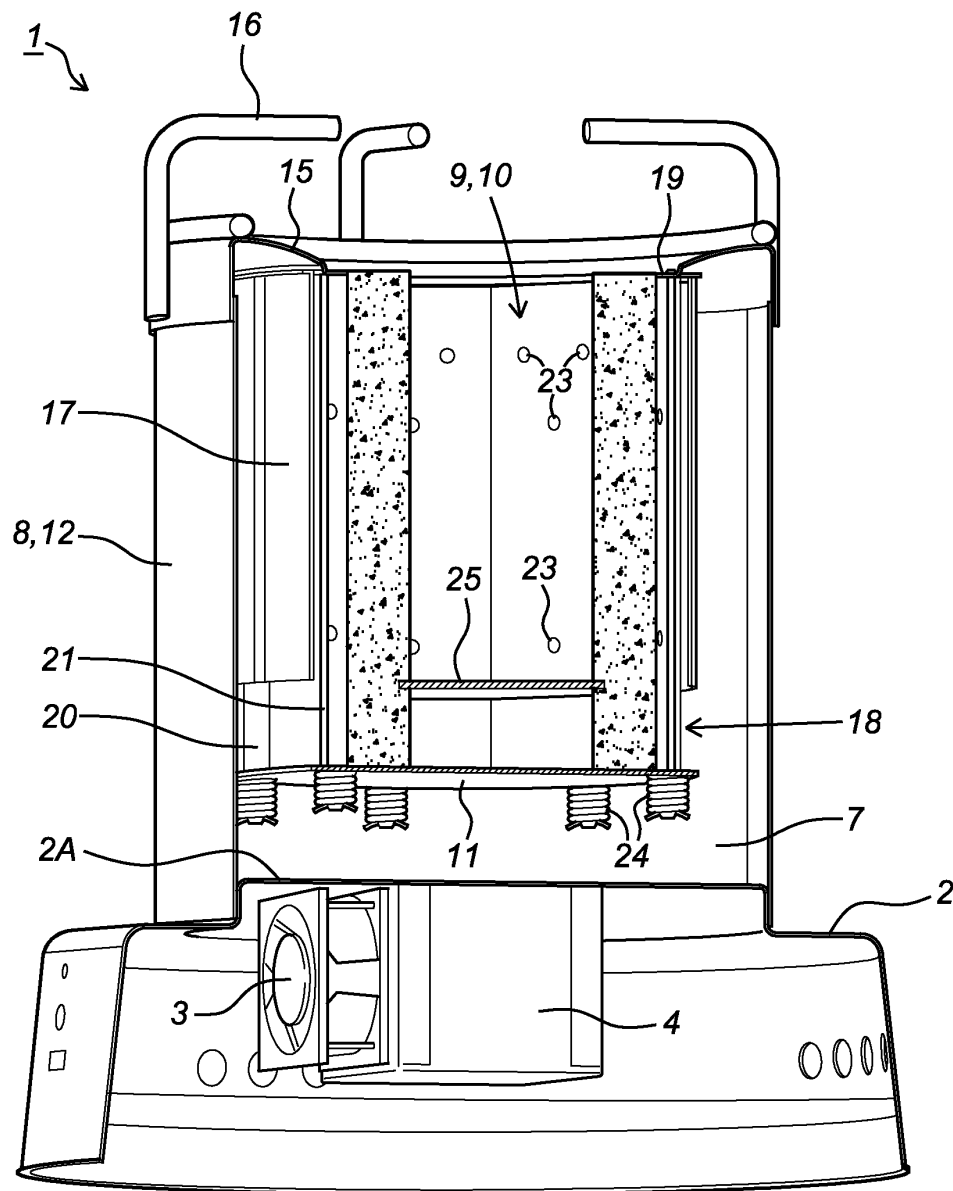


Fig. 2

Publication data including kind & date

WO2015137800	A1	2015-09-17	WO2015137800
NL2012403	A	2015-11-19	NL2012403
NL2012403	B1	2015-11-26	NL2012403



Abstract

(WO2015137800)

The invention relates to a portable stove (1) for solid fuels, comprising: a combustion chamber (10) for holding solid fuel defined by a housing, wherein a lower side of the housing is configured to carry solid fuel and an upper side of the housing takes a substantially open form and wherein a side wall of the housing is provided with a plurality of air inlet openings (23), at least one fan (3) for generating an airflow, and at least one guide structure (8) for guiding the airflow generated by the fan via the air inlet openings into the combustion chamber, wherein the housing of the combustion chamber comprises a support frame (18) and a plurality of refractory tiles (22) coupled to the support frame (18), wherein the tiles form at least a part of the side wall of the housing.

Inventors

WALKER RUBEN LOUIS MAURITS

WALKER DANIEL KEITH

Latest standardized assignees - inventors removed

WALKER HOLDINGS

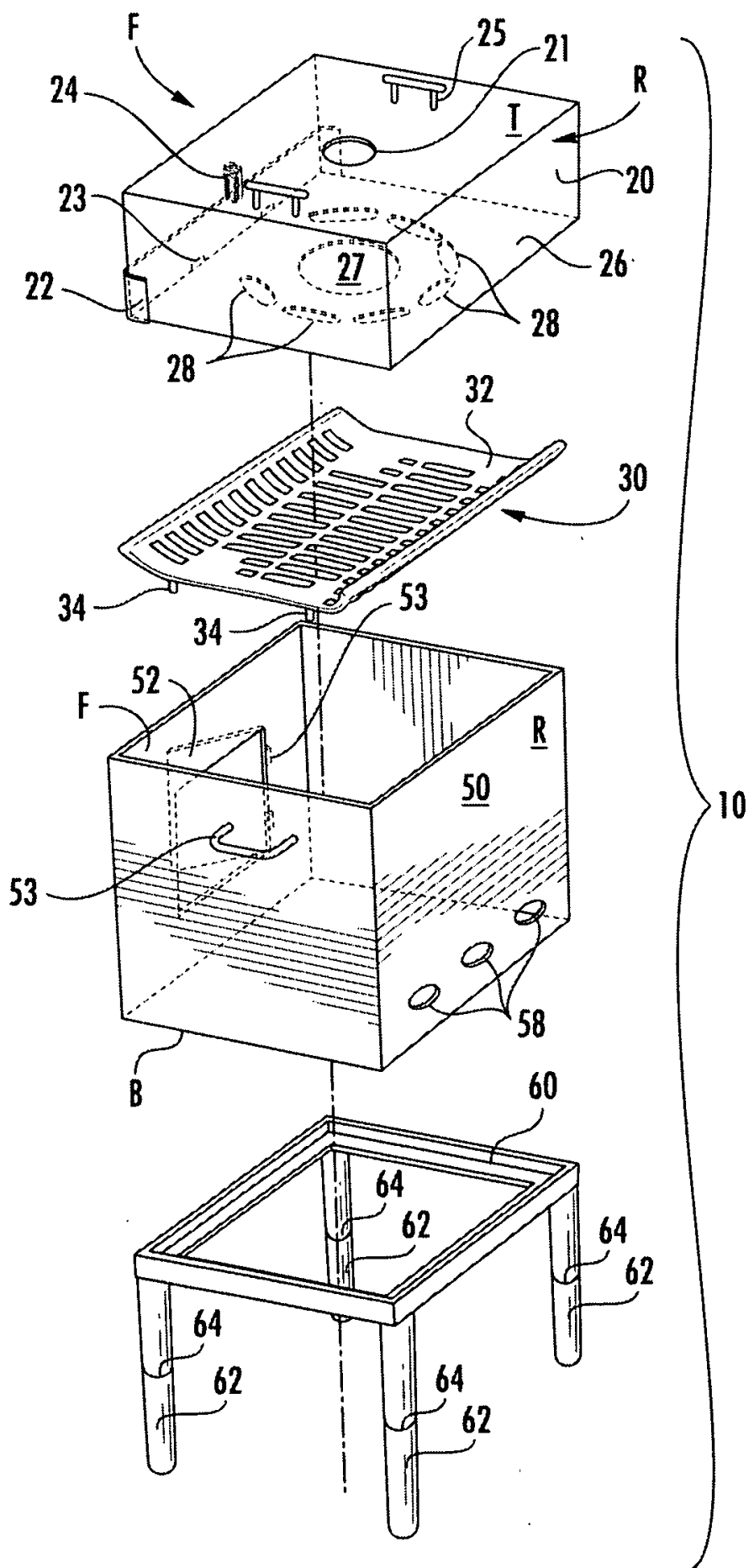
Family 36/100 - FAMPAT - ©Questel

Title

(US20170172158)

Method for making customized, wood fired pizzas in situ

Images



[US20150338104](#)

A1 2015-11-26 US20150338104

[US20170172158](#)

A1 2017-06-22 US20170172158

**Abstract**

(US20170172158)

A method for making wood-fired pizzas at a customer designated location for an event comprises assembling a portable wood stove at the location, setting up a customized pizza assembly station adjacent the assembled stove and then individually making TO ORDER pizza pies for rapidly baking in that wood fired stove. After everyone's had their fill, the stove can be cooled, disassembled and carted off to its next event location for customized wood-fired pizza making for that event's attendees.

Inventors

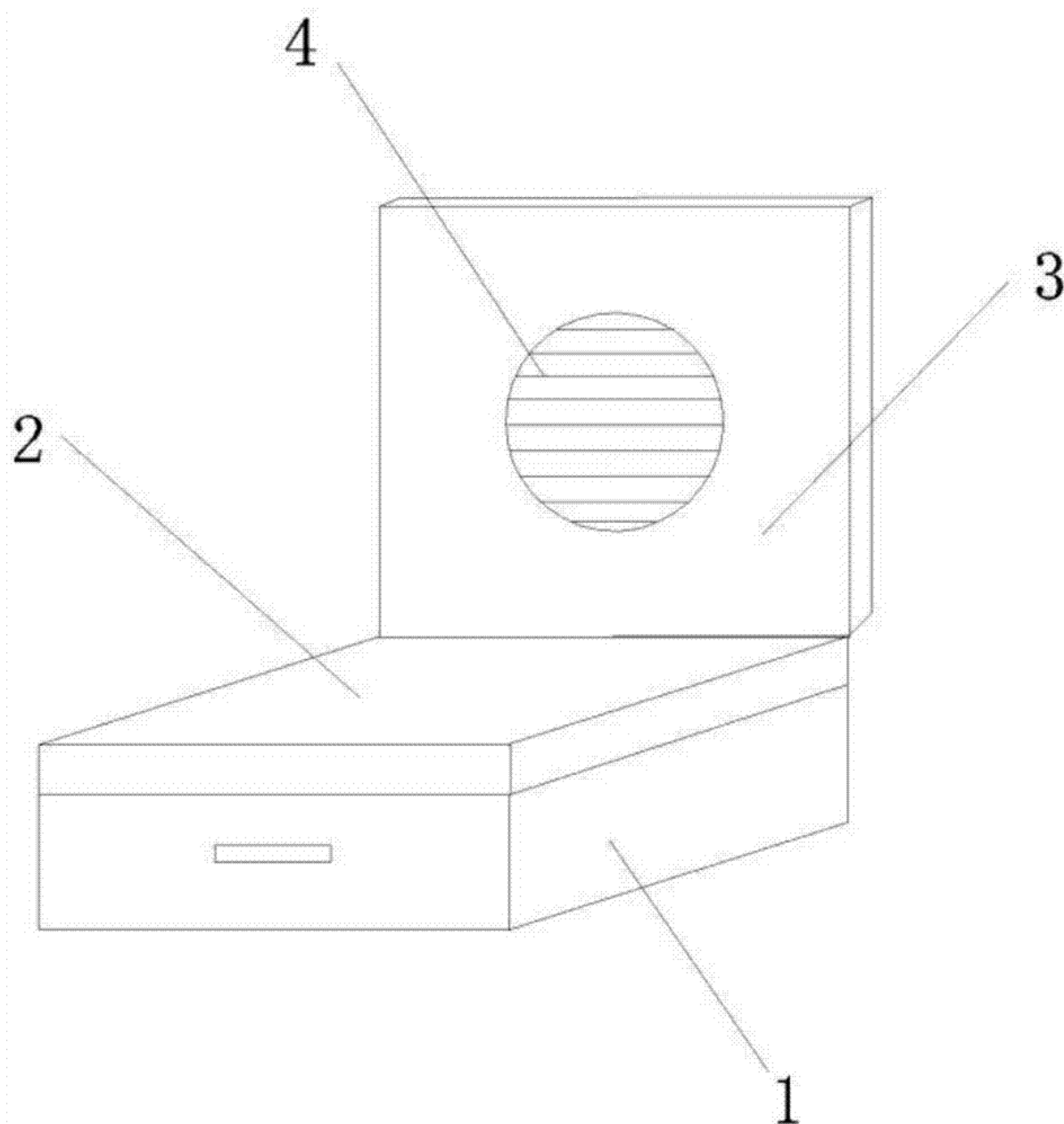
LIPINSKI ADAM

Family 37/100 - FAMPAT - ©Questel

Title

(CN108895499)

Portable integrated stove

Images

Publication data including kind & date



[CN108895499](#)

A 2018-11-27 CN108895499

Abstract

(CN108895499)

The invention provides a portable integrated stove. The integrated stove includes a storage box. An induction cooker integrated with the storage box into one body is arranged on the storage box. An upper cover is arranged on the induction cooker. One end of the upper cover is hinged to the induction cooker. The inner side of the upper cover is provided with a smoke exhaust fan. The portable integrated stove is small in size and convenient in carrying, and is especially suitable for outing picnic cooking.

Inventors

PAN GUOJIANG

Latest standardized assignees - inventors removed

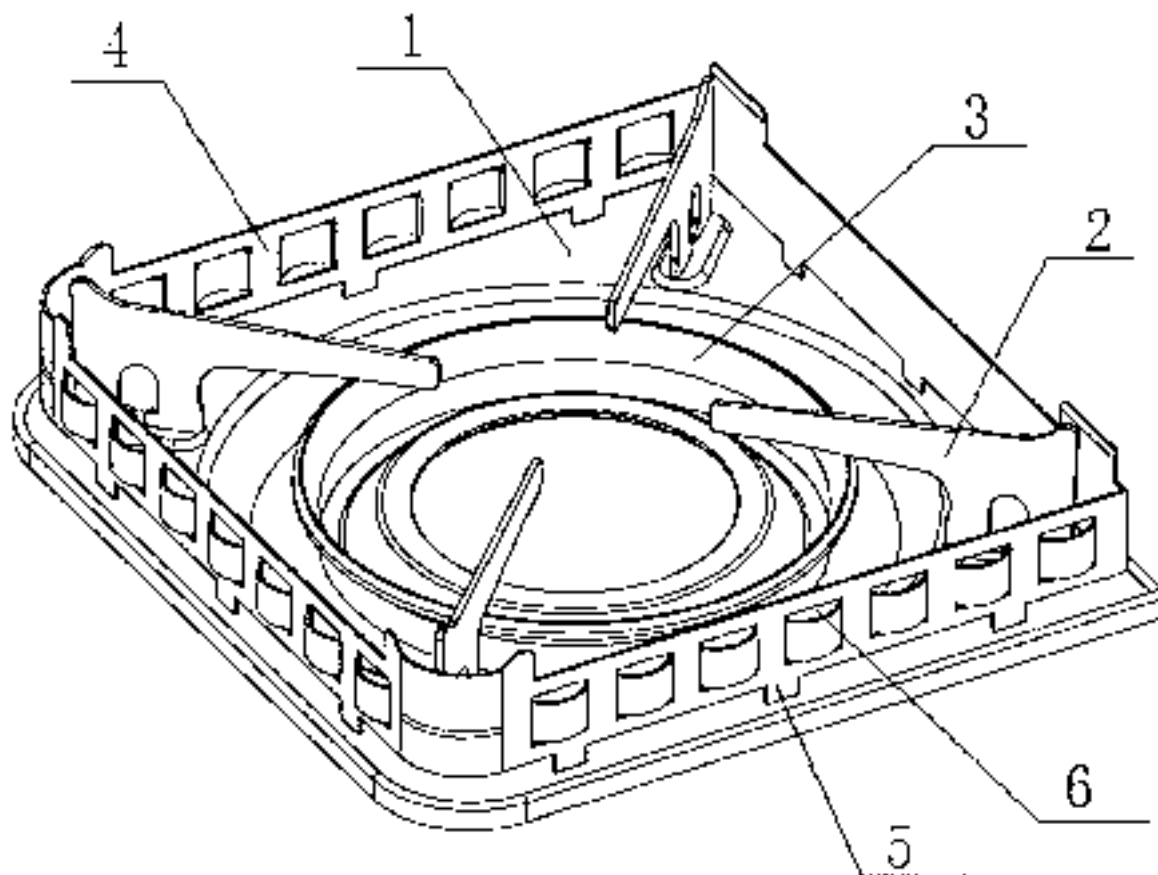
ZHEJIANG YIJIA KITCHEN & BATH TECHNOLOGY

Family 38/100 - FAMPAT - ©Questel

Title

(CN203298355U)

Portable wind shielding device of gas stove

Images**Publication data including kind & date**[CN203298355](#)

U 2013-11-20 CN203298355U

**Abstract**

(CN203298355U)

The utility model discloses a portable wind shielding device of a gas stove. The portable wind shielding device comprises an annular inner windshield and a quadrangular interlayer outer windshield, wherein the annular inner windshield is arranged at the inner side of an upper furnace leg of a liquid holding disc, the quadrangular interlayer outer windshield is surrounded at the outer side of the upper furnace leg of the liquid holding disc, and a bulge for enabling a gap to be generated between the quadrangular interlayer outer windshield and the liquid holding disc is arranged at the bottom of the

quadrangular interlayer outer windshield. According to the portable wind shielding device of the gas stove, disclosed by the utility model, the gap is remained between the quadrangular interlayer outer windshield and the liquid holding disc so that heat can flow, the liquid holding disc is prevented from being heated excessively during using, the heat can not be dissipated; gap holes are formed in a frame of the quadrangular interlayer outer windshield so that air can be induced to enter a furnace end and is re-supplied to ensure that the gas is combusted more completely; and two wind shielding devices are provided, so that the gas stove keeps flame stable under the state of stronger wind to prevent heat from being lost, an air source is saved, high heat efficiency is kept, and safety can be achieved in cooking.

Inventors

DING HAIGUO

Latest standardized assignees - inventors removed

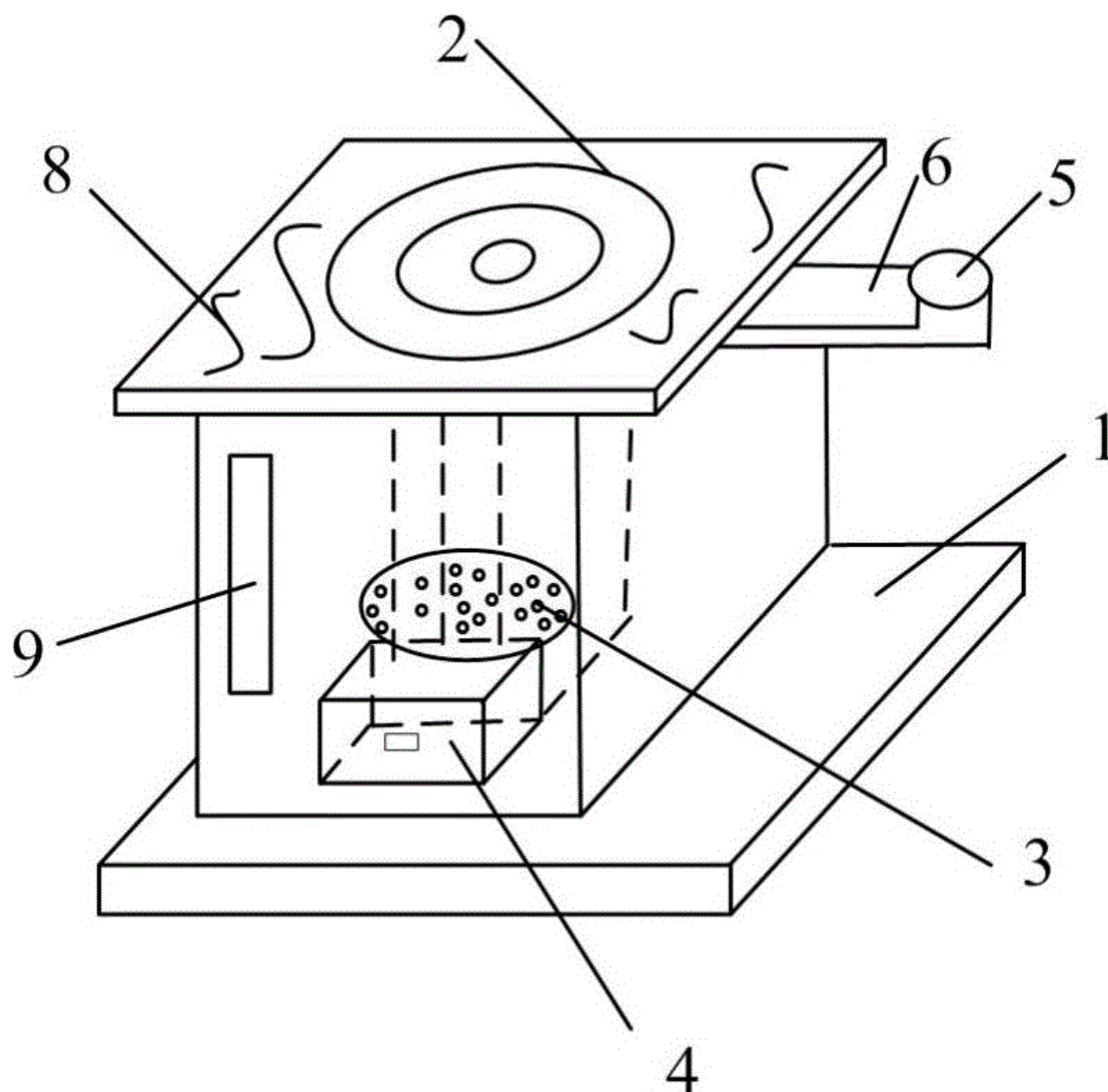
MAXSUN

Family 39/100 - FAMPAT - ©Questel

Title

(CN205825119U)

Portable energy -conserving kitchen range

Images**Publication data including kind & date**[CN205825119](#)

U

2016-12-21

CN205825119U

**Abstract**

(CN205825119U)

Portable energy -conserving kitchen range relates to the kitchen range that uses among the daily life, the present kitchen range structure of solution is complicated, the thermal efficiency is low and the high scheduling problem of cost, including kitchen range platform, combustion chamber, ashes hourglass, smoke exhaust passage and smoke discharge hole, the combustion chamber sets up in the kitchen range platform, and the circumference of combustion chamber sets up a plurality of air vents, and the combustion chamber bottom is provided with ashes and leaks, smoke exhaust passage's one end communicates smoke discharge hole with the ventilation hole of combustion chamber intercommunication, smoke exhaust passage's the other end. Still include the ashes box, the ashes box can be dismantled and fix in the kitchen range platform and lie in the below that ashes leak. This is novel portable energy -conserving kitchen range, convenient to use even in the use, also can conveniently remove. Simple structure, with low costs, it is little to possess the space, excellent in use effect. Having practiced thrift the resource, and can having used any combustible substance, the rate of utilization is high.

Inventors

FAN HAIZHAO

Family 40/100 - FAMPAT - ©Questel

Title

(US20170347832)

Portable biomass stove

Images

seat and an outer tubular seat. The outer tubular seat surrounds the inner tubular seat, cooperates with the inner tubular seat to define an internal space therebetween, and is formed with an air inlet located under the tubular body. A top end portion of the outer tubular seat is connected to a top end portion of the tubular body in a sealing contact manner. The insulation unit is disposed in one of the internal space and an ambient space outside the outer tubular seat so as to prevent dissipation of heat out of the outer tubular seat.

Inventors

LIN YU-CHIA

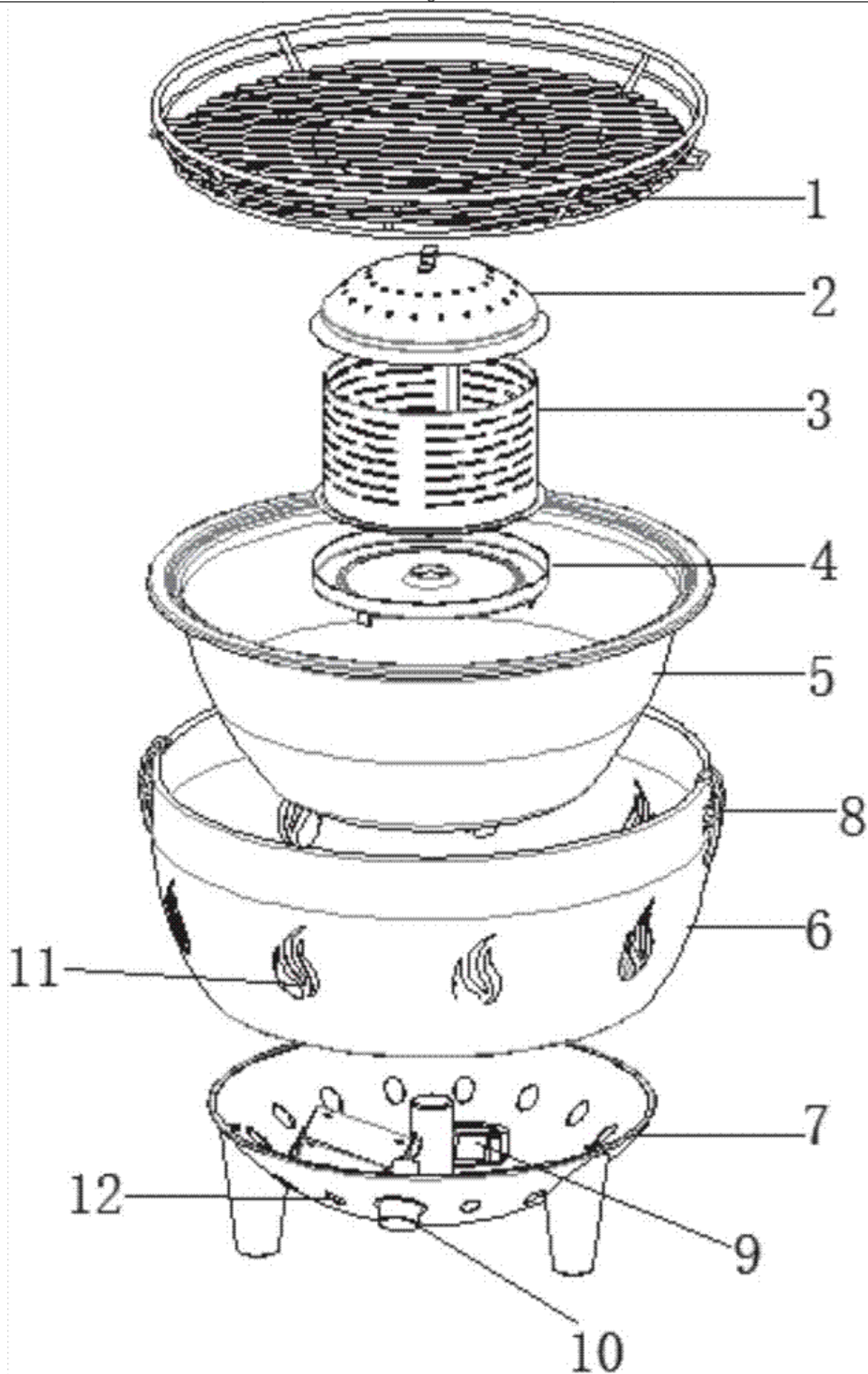
Family 41/100 - FAMPAT - ©Questel

Title

(CN206303772U)

Portable energy -conserving charcoal stove

Images



(CN206303772U)

The utility model discloses a portable energy -conserving charcoal stove, include: furnace body base, outer furnace body sets up on furnace body base, interior furnace body sets up outside in the furnace body for heat for food, wherein, interior furnace body is including baking net, inner bag and heating device, and the inner bag setting is in in the outer furnace body, roast net sets up on the inner bag, and the setting of heating device is in the inner bag for for baking the net heating, wherein heat the device and include carbon box lid subassembly, carbon box subassembly and ash receiving tray subassembly, the ash receiving tray subassembly sets up on the inner bag, and the carbon box subassembly sets up on the ash receiving tray subassembly, is used for holding the burning charcoal, and roast net just is close to at the top of carbon box subassembly to the setting of carbon box lid subassembly, thinks that roast online food heats. In this way, the utility model discloses a portable energy -conserving charcoal stove convenient to carry, user can anytime and anywhere carry the charcoal stove and go out, and combustion efficiency is high, convenient to use.

Inventors

LI WEITANG

LIU CHAOJING

GUO JIAMING

GUO ZHUJUN

XIE ZONGFAN

LI YI

Latest standardized assignees - inventors removed

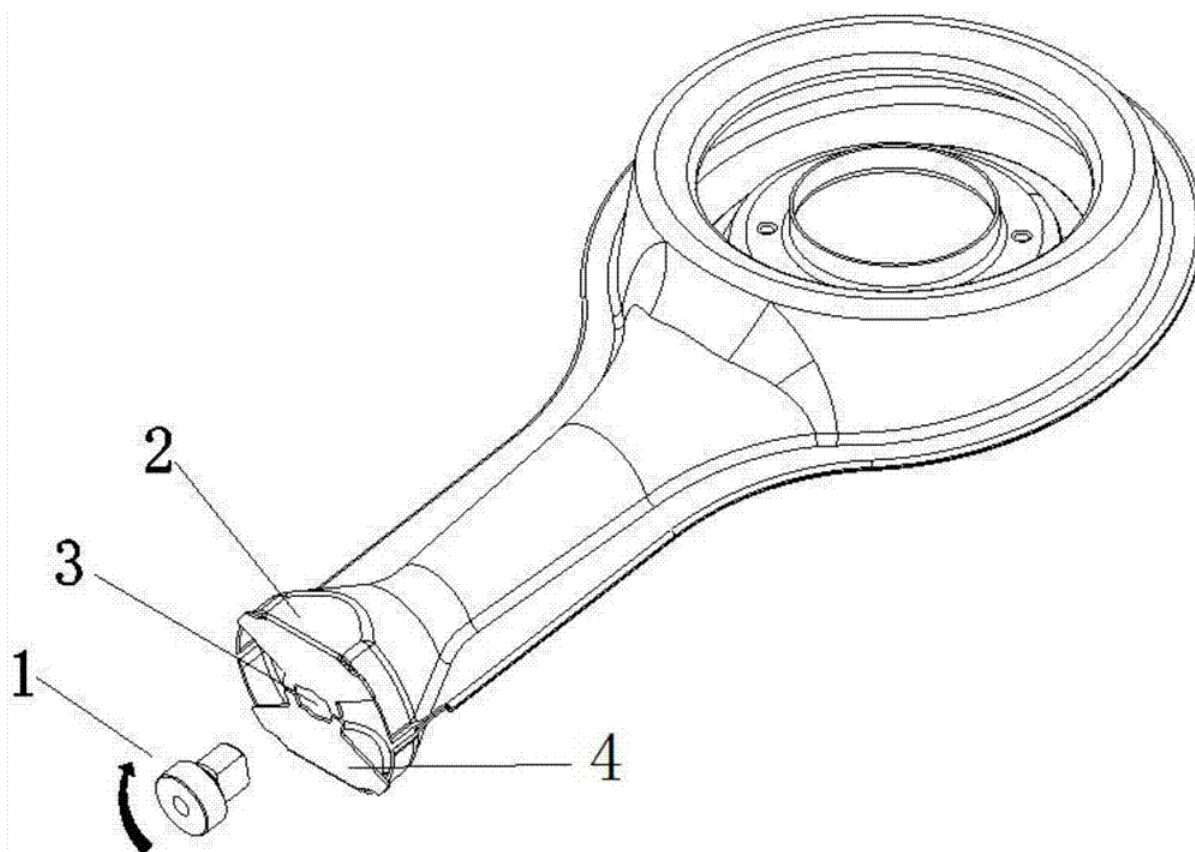
GUANGZHOU HUNGKAY METAL

Family 42/100 - FAMPAT - ©Questel

Title

(CN206695174U)

Rotary fixing structure of portable gas stove body nozzle

Images**Publication data including kind & date**[CN206695174](#)

U 2017-12-01 CN206695174U



Abstract

(CN206695174U)

The utility model discloses a rotary fixing structure of portable gas stove body nozzle belongs to portable gas equipment technical field. Including installing in the spacing piece of furnace body tip, spacing piece middle part is equipped with the homalocephalus that supplies the nozzle and holds the flat wind door hole who transversely passes through, the button head end is connected through connecting the cylinder to the homalocephalus end, the spacing groove is constituted to button head end, homalocephalus end and connection cylinder, and spacing piece middle part block is fixed in limiting groove, and fan -shaped wind door hole is greater than 0 degree with the contained angle that the homalocephalus was held. The beneficial effects of the utility model are that: spacing spacing groove with the nozzle through the furnace body connected end cooperates, realizes the fixed connection of nozzle and furnace body, and simple to operate has avoided relative movement, and increase of service life stops the potential safety hazard.

Inventors

DING HAIGUO

Latest standardized assignees - inventors removed

MAXSUN

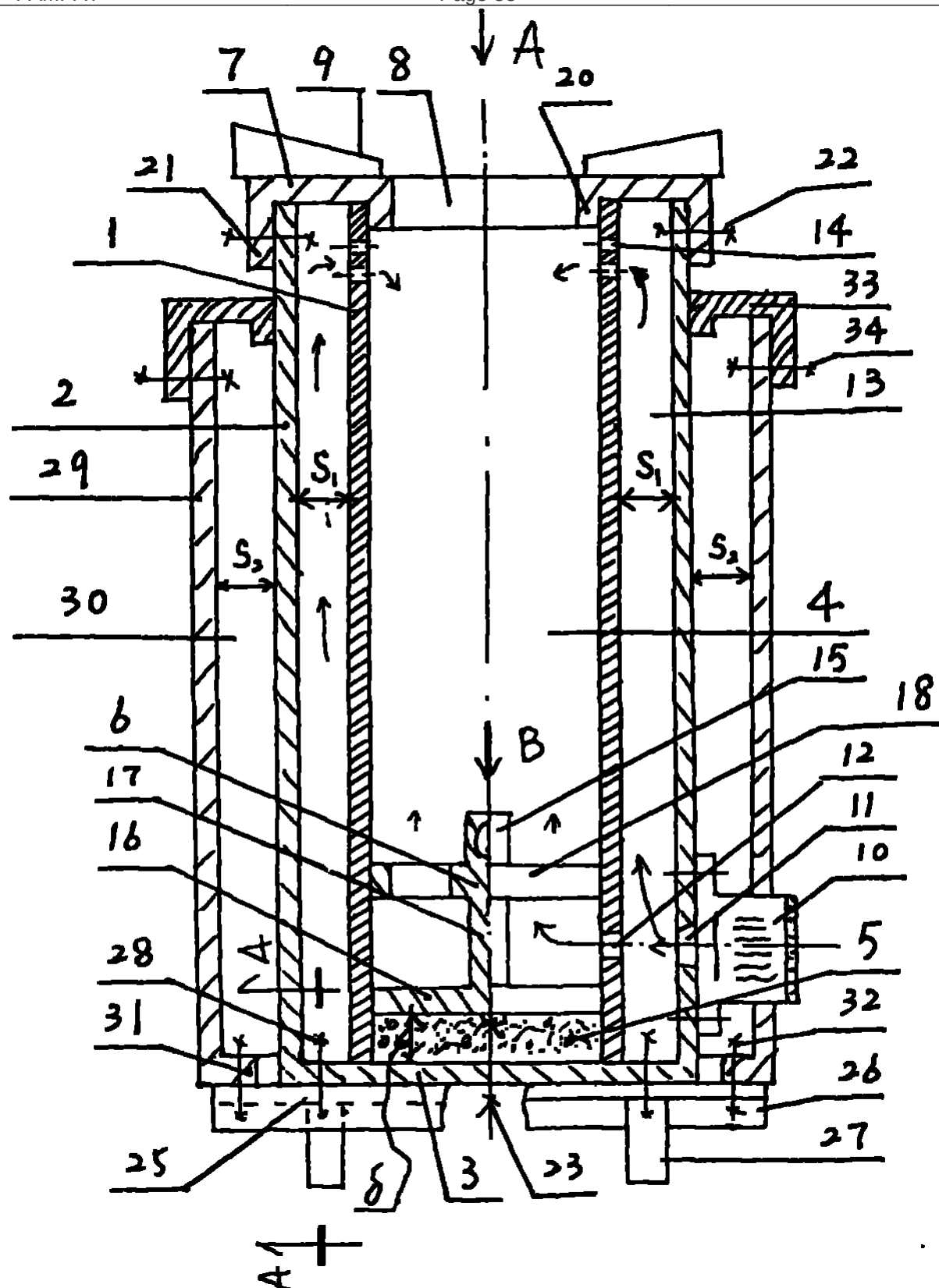
Family 43/100 - FAMPAT - ©Questel

Title

(CN202521649U)

Portable updraft biomass semi-gasification cooking stove

Images



Publication data including kind & date

CN202521649

U 2012-11-07 CN202521649U



Abstract

(CN202521649U)

The utility model discloses a portable updraft biomass semi-gasification cooking stove, which belongs to the field of cooking stoves. A stove container (1) is arranged in a hot air sleeve (2) with a bottom plate (3); an air chamber (13) is arranged between the stove container (1) and the hot air sleeve (2); the bottom of a hearth (4) formed by the stove container (1) is provided with a refractory stove bottom (5) which is positioned on the bottom plate (3); a grate (6) of a double-layer structure is placed on the refractory stove bottom (5); a blower (10) is arranged on the hot air sleeve (2); air enters the air chamber (13) through a blowing port (11) and is blown in from the bottom of the hearth (4) through a primary air inlet (12); a

part of air is ascended in the air chamber (13) and is blown into a flame part to support the combustion through a secondary air inlet (14); the cooking stove is also provided with a stove disc (7) with a central fire hole and a stove bracket (25); an outer shell cylinder (29) can also be sleeved outside the hot air sleeve (2); air delivery, ash discharge and ash removal are facilitated; secondary air is preheated by the air chamber (13) to support the combustion; a thermal insulation layer is not required; the waste heat is recovered; the combustion is complete; high efficiency and energy conservation are realized; the environment is not polluted; the cooking stove is highly divided into parts and components, so that large-scale production, assembly and disassembly and carrying are facilitated; and the cooking stove is particularly suitable for a biomass fuel and is extremely convenient to use.

Inventors

ZHANG DEDI

ZHANG YONG

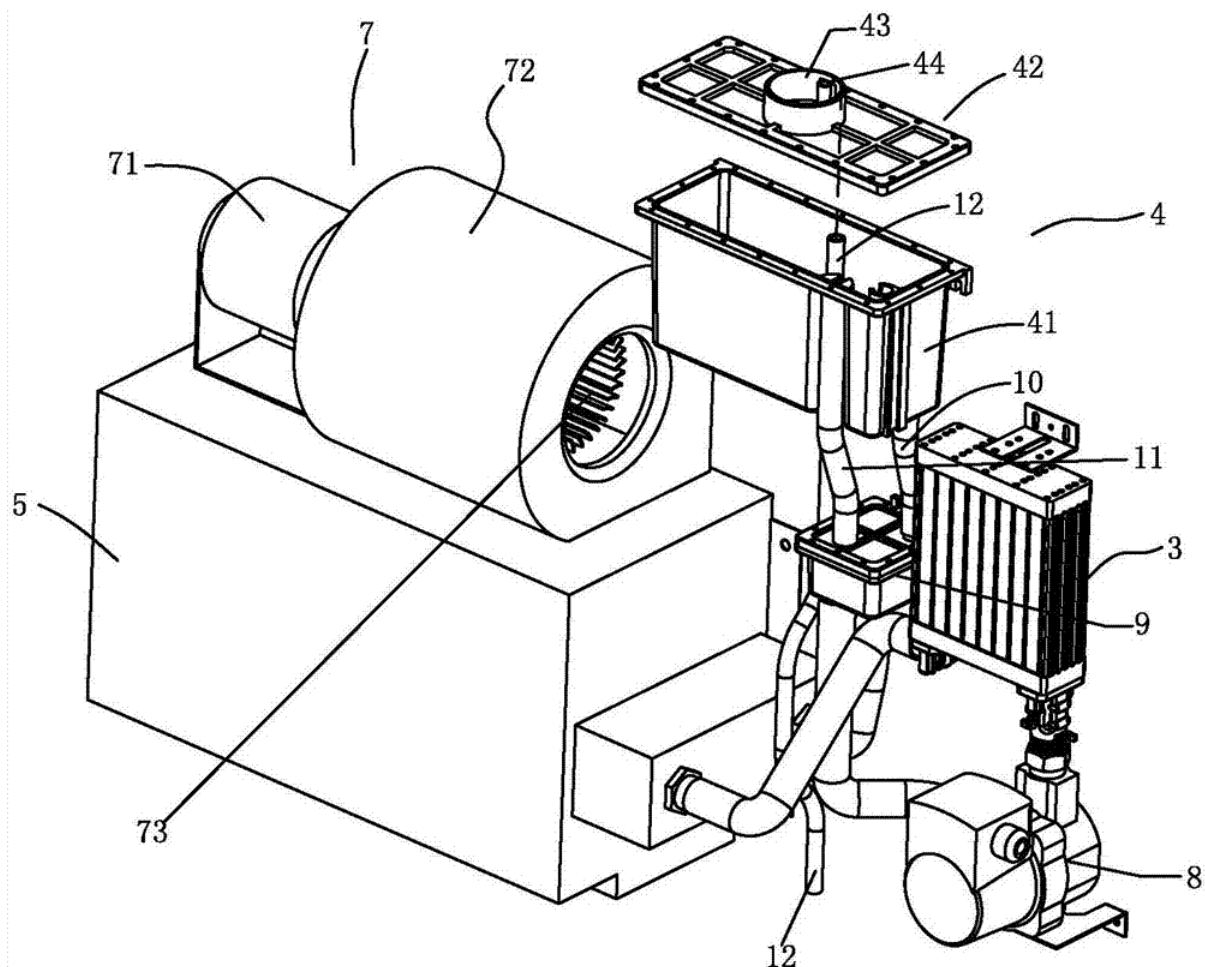
Family 44/100 - FAMPAT - ©Questel

Title

(CN207907332U)

Portable electric hot -water heating stove

Images



Publication data including kind & date

[CN207907332](#)

U

2018-09-25

CN207907332U



Abstract

(CN207907332U)

The utility model provides a portable electric hot -water heating stove, includes base, shell, electric heater and controlling means, still includes water tank, heat transfer chamber, heat exchanger, circulating water pump, aqueous vapor separator box, fan, moisturizing pipe and blast pipe, and the heat exchanger setting is at the heat transfer intracavity, and the water guide disc pipe is intakeend and electric heater's play water end (W. E.) and is connected, is gone out water end (W. E.) and aqueous vapor separator box intercommunication, circulating water pump's intake end and aqueous vapor separator

box intercommunication, goes out intaking of water end (W. E.) and electric heater and holds and communicate, the fan setting communicates with each other on the roof in heat transferchamber and with the heat transfer chamber, moisturizing pipe one end and water tank intercommunication, the other end and aqueous vapor separator box intercommunication, blast pipe and aqueous vaporseparator box and water tank intercommunication, the heat transfer chamber has hot air outlet. Owing to adopt such structure, hot -water heating and heat transfer system are integrative to can remove,the indoor supply socket's of having place just can be used, need not professional's debugging.

Inventors

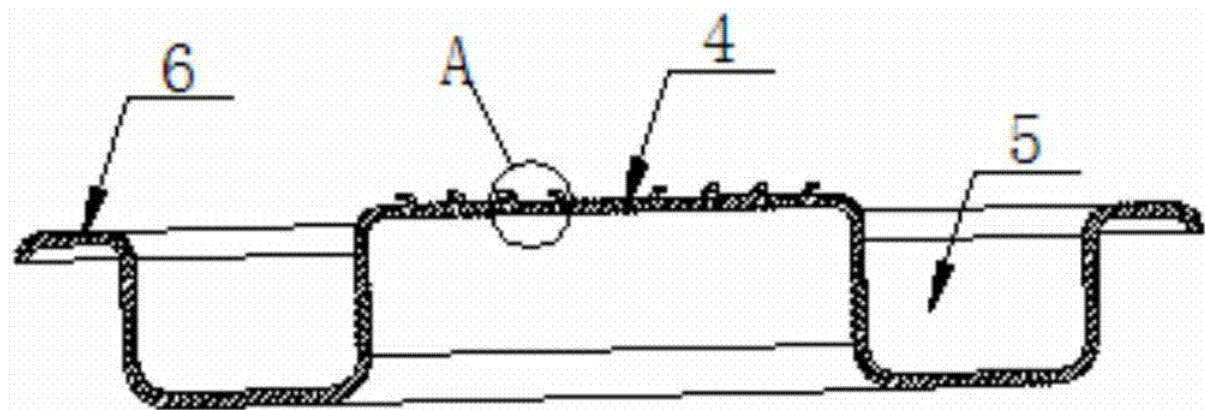
QIU GUOYUN

Family 45/100 - FAMPAT - ©Questel

Title

(CN208030932U)

Portable chafing dish and dual -purpose charcoal stove of barbecue

Images**Publication data including kind & date**[CN208030932](#)

U

2018-11-02

CN208030932U

**Abstract**

(CN208030932U)

The utility model discloses a portable chafing dish and dual -purpose charcoal stove of barbecue, including thermal - protection shell, set up in thermal insulating inner container among the thermal -protection shell, set up in burning screen among thermal insulating inner container cover and set up in the last dual -purpose tray of thermal insulating inner container, thermal insulating inner container is rotator structure and the vertical setting of axis, burning screen cover for cylindrical structures and with the coaxial setting of thermal insulating inner container, dual -purpose tray includes circular barbecue plate and is located the annular chafing dish groove in the circular barbecue plate outside, circular barbecue plate set up in the upper end of burning screen cover, annular chafing dish trench in among the thermal insulating inner container, just circular barbecue plate is provided with a plurality of ventilation bottoming holes. The utility model provides a portable chafingdish and dual -purpose charcoal stove of barbecue through setting up dual -purpose tray, can carry out the chafing dish culinary art with annular chafing dish groove, can roast the culinary art withcircular barbecue plate simultaneously, consequently can realize two kinds of functions of chafing dish and barbecue simultaneously.

Inventors

FENG PEIYING

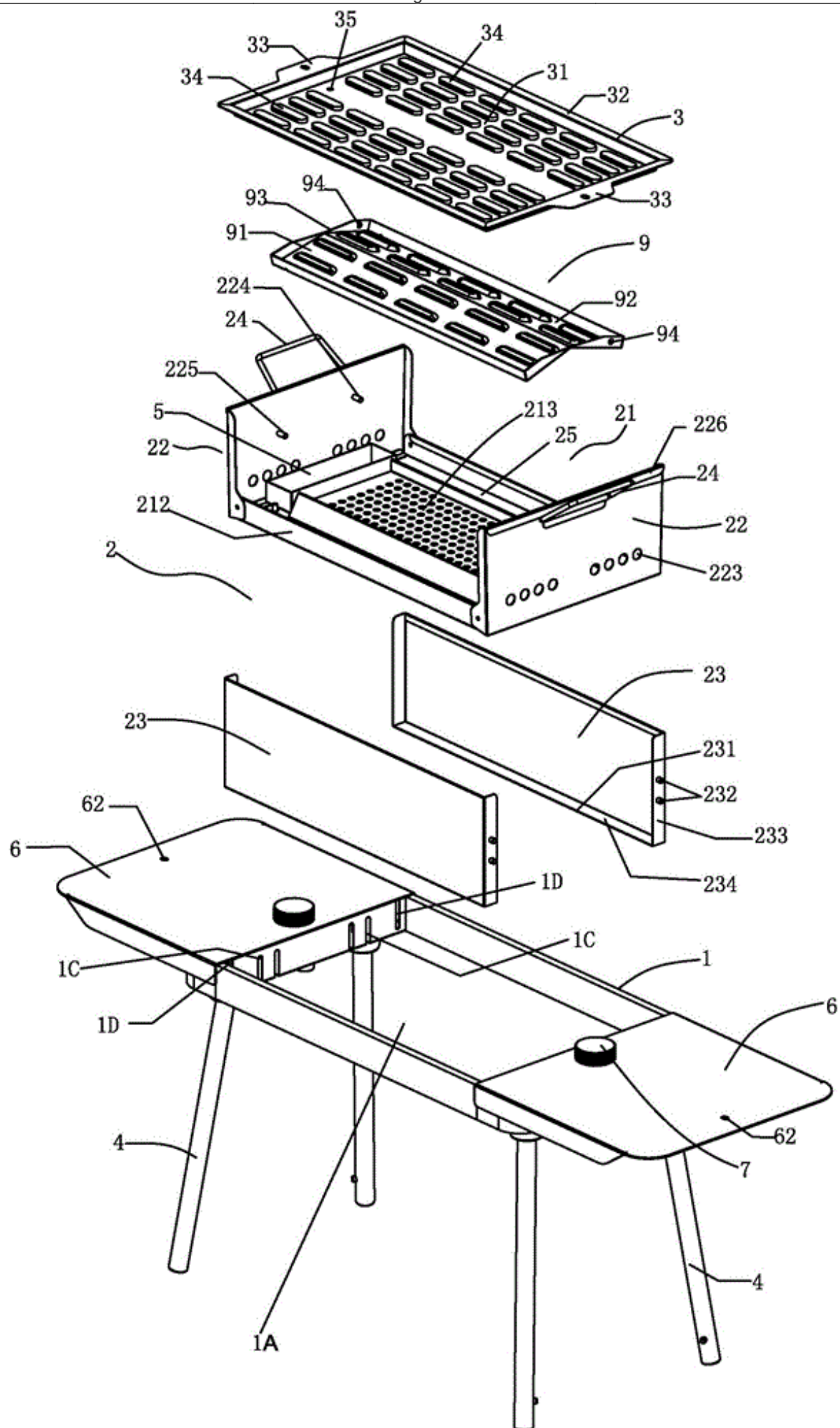
Family 46/100 - FAMPAT - ©Questel

Title

(CN208693044U)

Portable carbon barbecue oven

Images



Publication data including kind & date

CN208693044

U

2019-04-05

CN208693044U

**Abstract**

(CN208693044U)

A portable carbon barbecue grill, comprising a furnace body, brazier, baking trays, telescopic furnace foot, drip cup, the cover plate and belt rotating shaft of the screw surface, the body is provided with a and the tapped hole; surface of the cover plate are respectively provided with front and rear side guide plate, face cover plate is provided with a closed connection hole and a deployed attachment hole; brazier includes a base, two end , behind the other foci pivotally connected to the end of a handle and a wall plate, both ends of the bottom inserted between the two side wall end, with both ends of the base plate constituting a side wall pivoted end brazier assembly, drip cup disposed in the backing plate and located between two retaining post; bottom respectively to the front and rear sides and the end wall plate support frame supports one burner mate with and detachably connected; hook is engaged with the longitudinal frame sides; lower surface of the baking tray detachably mate with the furnace cover . Convenient conversion between undeployed and deployed, the closed back volume small, easy to carry; uniform heating power distribution within the brazier.

Inventors

FAN JUNYING

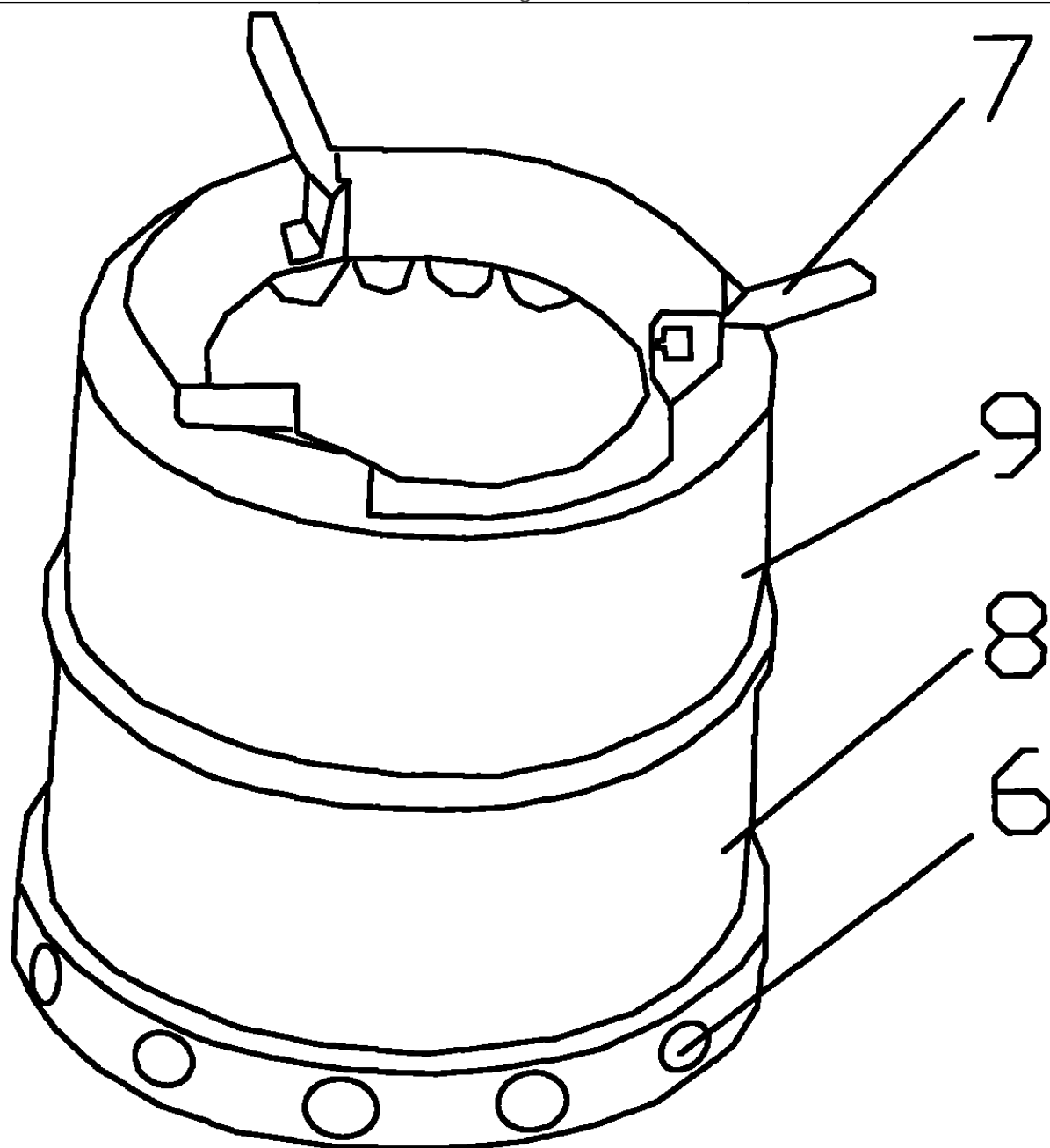
Family 47/100 - FAMPAT - ©Questel

Title

(CN201925950U)

Portable folding firewood combustion furnace

Images

**Publication data including kind & date**[CN201925950](#)

U

2011-08-10

CN201925950U

**Abstract**

(CN201925950U)

The utility model discloses a portable folding firewood combustion furnace which comprises an upper furnace body and a lower furnace body, wherein the upper furnace body is sleeved with the lower furnace body through embedding, an upper combustion chamber and a lower combustion chamber are respectively arranged in the upper furnace body and the lower furnace body, a supporting frame is installed on the upper furnace body, and air orifices are arranged on the lower furnace body; the supporting frame is a foldable supporting frame; and the upper furnace body and the lower furnace body can be mutually sleeved and can be folded, and the upper combustion chamber and the lower combustion chamber can be folded for storing. The utility model has the beneficial effects that the portable folding firewood combustion furnace is practical, is convenient to use, carry, disassemble and clean, is safe to use, has low production cost and small volume, generates less smoke, is environmental-friendly, highly efficient and economical and can be heated quickly, and the available fuel materials can be easily found.

Inventors

FAN QINBIN

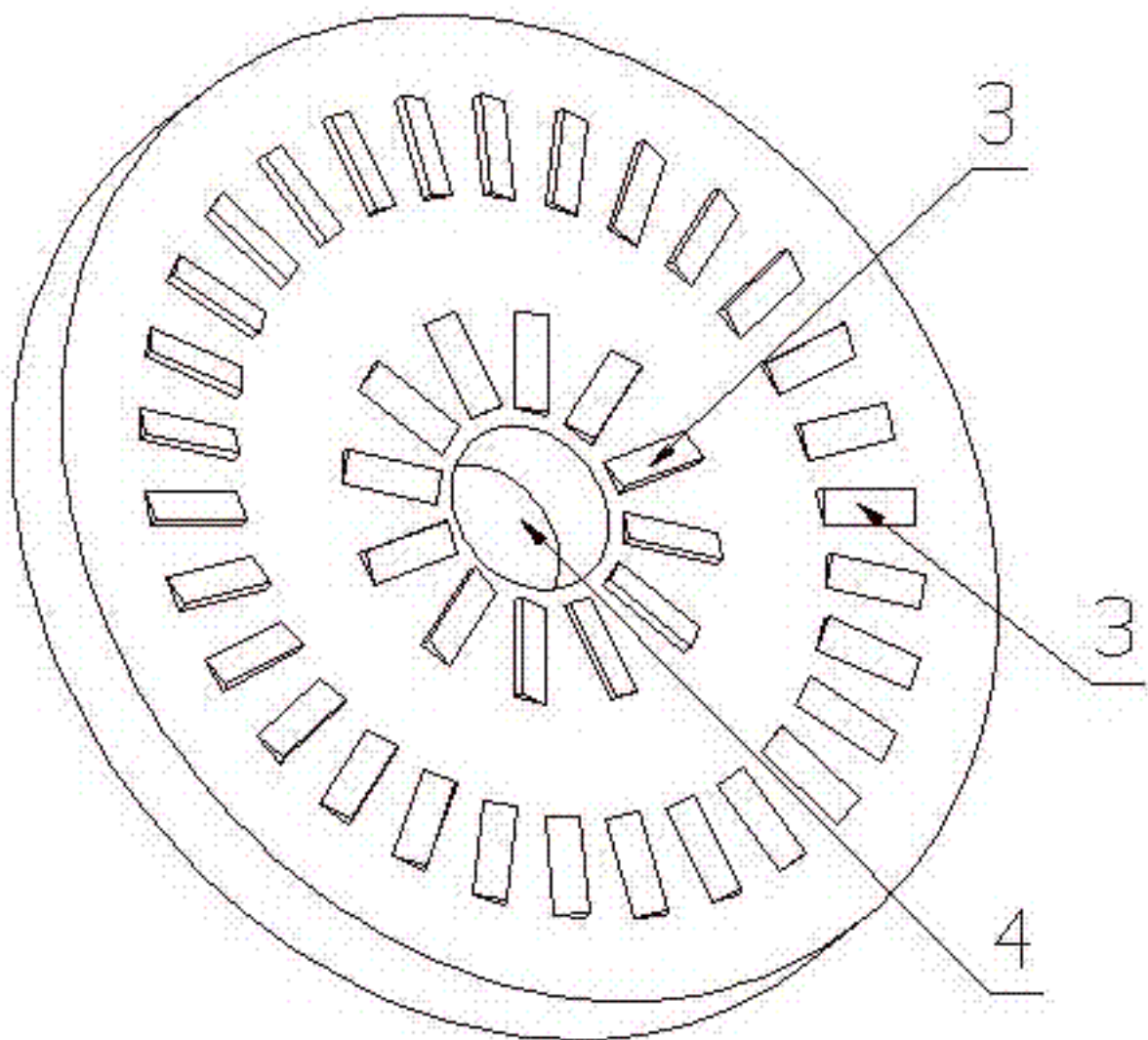
ZHU XIAOJIAN

Family 48/100 - FAMPAT - ©Questel

Title

(CN108361708)

Cyclone type distributor of portable burner stove body

Images**Publication data including kind & date**[CN108361708](#)

A 2018-08-03 CN108361708

**Abstract**

(CN108361708)

The invention discloses a cyclone type distributor of a portable burner stove body. A circular hole is formed in the center of the distributor, and fan-shaped air outlets are formed in the distributor. The air outlets are arranged in the shape of inner and outer circular rings and openings of the air outlets are oppositely arranged. According to the cyclone type distributor of the portable burnerstove body, the direction of flame can be artificially adjusted by adopting the air outlet structure of the inner and outer circular rings, and a tornado-like flame state is formed; and when air is heated, the oxygen content can be increased due to the air rising principle, and the flame combustion is more complete. The tornado-like flame is formed by adopting the circular air outlets, the heat ofthe flame is more concentrated, heat loss is reduced, and the high thermal state can be continuously maintained to reduce the heat loss. The tornado-like flame is formed by adopting the circular airoutlets, the rotary heating process is formed on the bottom of a pan, and the bottom of the pan can be heated evenly.

Inventors

CHEN DAOBIN

Latest standardized assignees - inventors removed

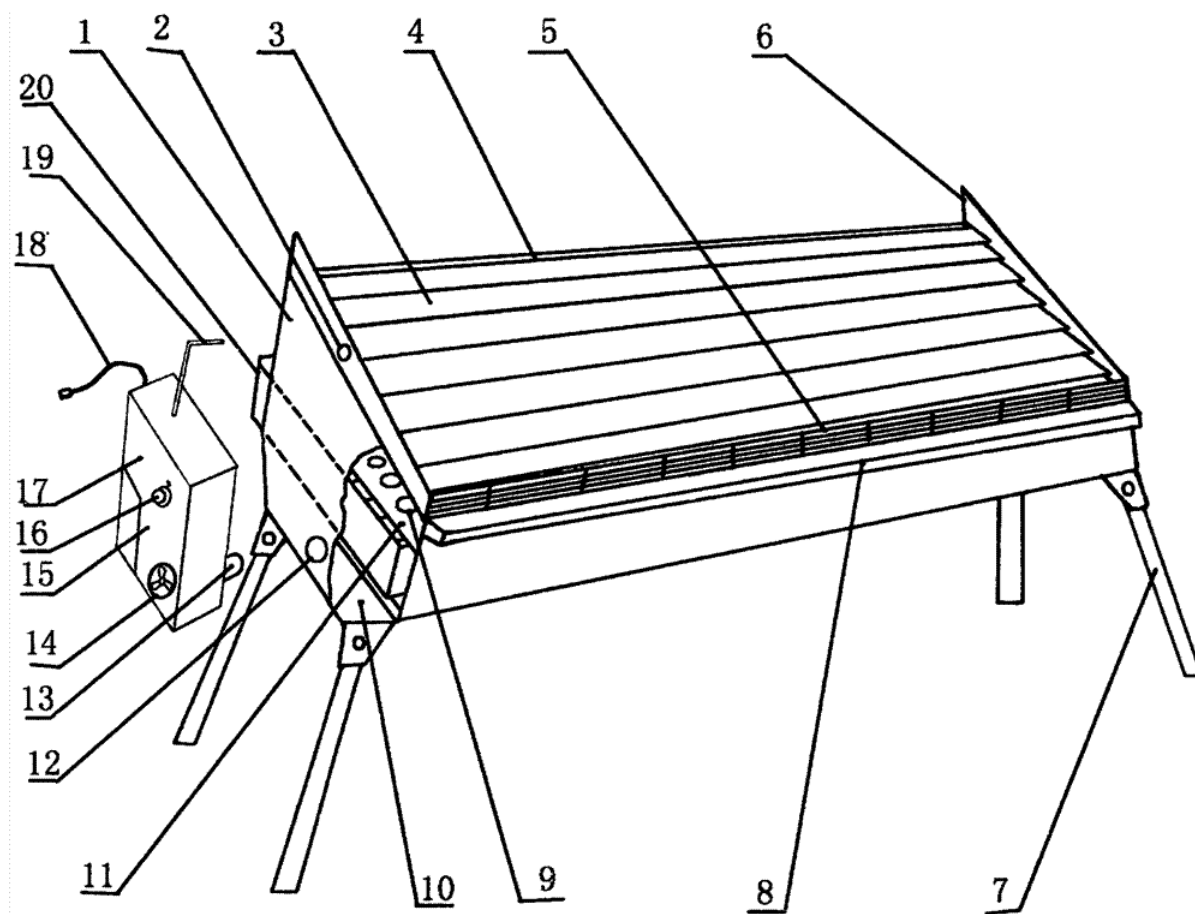
KUNSHAN FULING ENERGY UTILIZATION

Family 49/100 - FAMPAT - ©Questel

Title

(CN207928222U)

Portable constant temperature is oil drip sediment charcoal -grilled stove not

Images**Publication data including kind & date**[CN207928222](#)

U

2018-10-02

CN207928222U

**Abstract**

(CN207928222U)

This is novel has announced a portable constant temperature is oil drip sediment charcoal -grilled stove not, and including the roast net of tripe, support, charcoal burner, controller, the roast netof tripe is equipped with the oil trap to front end slope, the roast net of tripe by a plurality of range upon range of blades and framework components, minimum blade below, blade and frame one side up are equipped with non stick coating, the roast side off the net of tripe sets up the area and takes out the charcoal burner of inserting the charcoal frame, and charcoal burner bottom blast air is given to the fan of controller, the power of thermostat controller fan, and the probe of temperature controller is arranged in on the roast wire side of tripe. This novel convenient to carry, on oil, material can not drop on charcoal fire during roast food, do not produce dense smoke and naked light, steam is the N style of calligraphy and reaches food, and energy -conserving and food is difficult for burnedly, through settlement thermostat controller fan, constant temperature baking, healthy, the food color, smell and taste of baking are better, favourable environmental protection is collectedwith waste oil, material sediment to the oil trap, have the fan to dry, it is fast to light a fire, intensify.

Inventors

CAO JUNJIAN

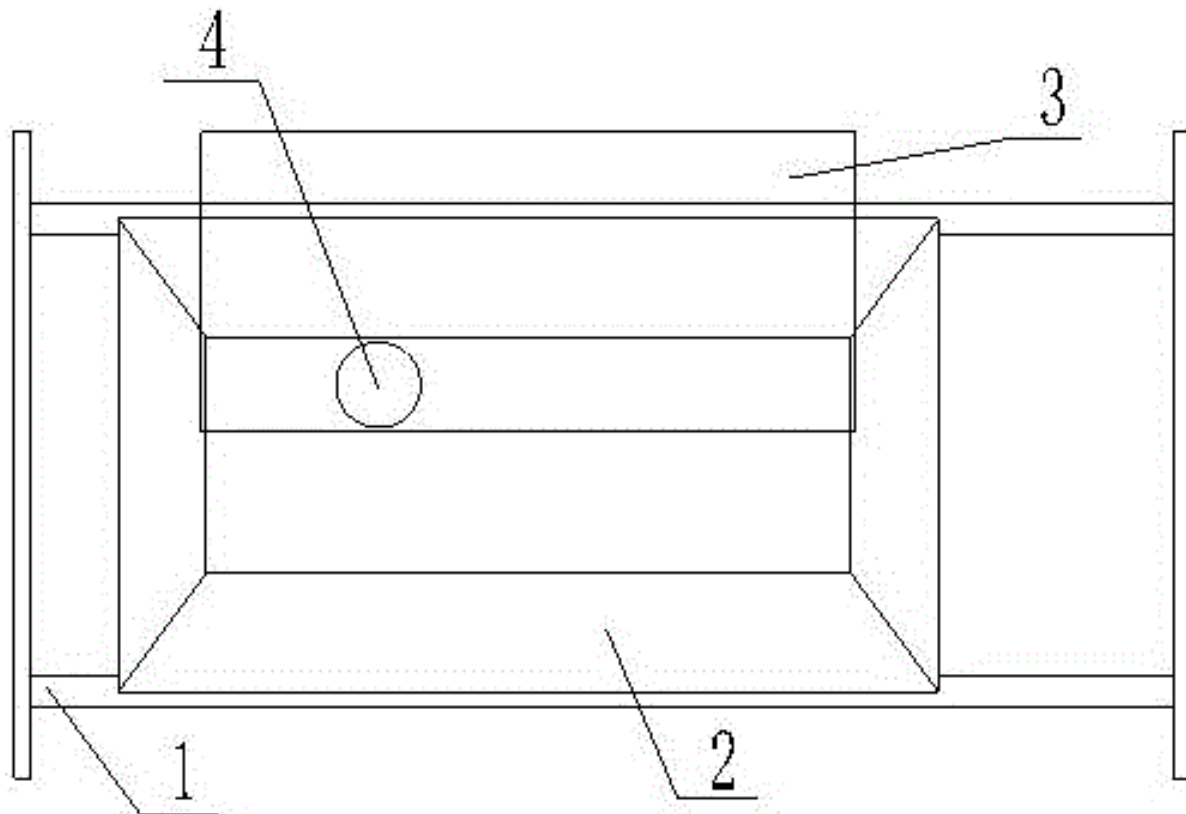
Family 50/100 - FAMPAT - ©Questel

Title

(CN205966703U)

Large -scale portable smoke and dust collection device of stove that fascinates

Images



Publication data including kind & date

CN205966703

U 2017-02-22 CN205966703U



Abstract

(CN205966703U)

The utility model relates to a large -scale portable smoke and dust collection device of stove that fascinates, including driving (1), petticoat pipe support and smoke and dust cover (2), wherein, smoke and dust cover (2) passes through petticoat pipe scaffold weldment and in driving (1), is provided with the pipeline flange mounting hole (4) that is used for installing dust remover fan suction line simultaneously on smoke and dust cover (2), the petticoat pipe support includes strengthening rib (6), elasticity pull rod (7) and stake body, trapezoidal framework that the stake body was formed by connecting through the type groove for square pipe (5), and upper portion and the bottom both ends of trapezoidal framework are passed through elasticity pull rod (7) and are connected, and strengthening rib (6) one end is connected on trapezoidal framework, and on the other end was fixed in elasticity pull rod (7), furnace body (3) were arranged the smoke and dust in and are covered in (2). The utility model discloses install the smoke and dust cover of large -scale dust remover in nonstandard driving for the smoke and dust cover removes according to the angle of fascinating of furnace body, makes the dust remover to promote dust removal effect under the prerequisite that does not promote the amount of wind, greatly improves workshop environment.

Inventors

LAI HOULIN

AN ZHIFENG

RAO YONGPING

HUANG JUN

Latest standardized assignees - inventors removed

JIANGXI RARE METALS TUNGSTEN

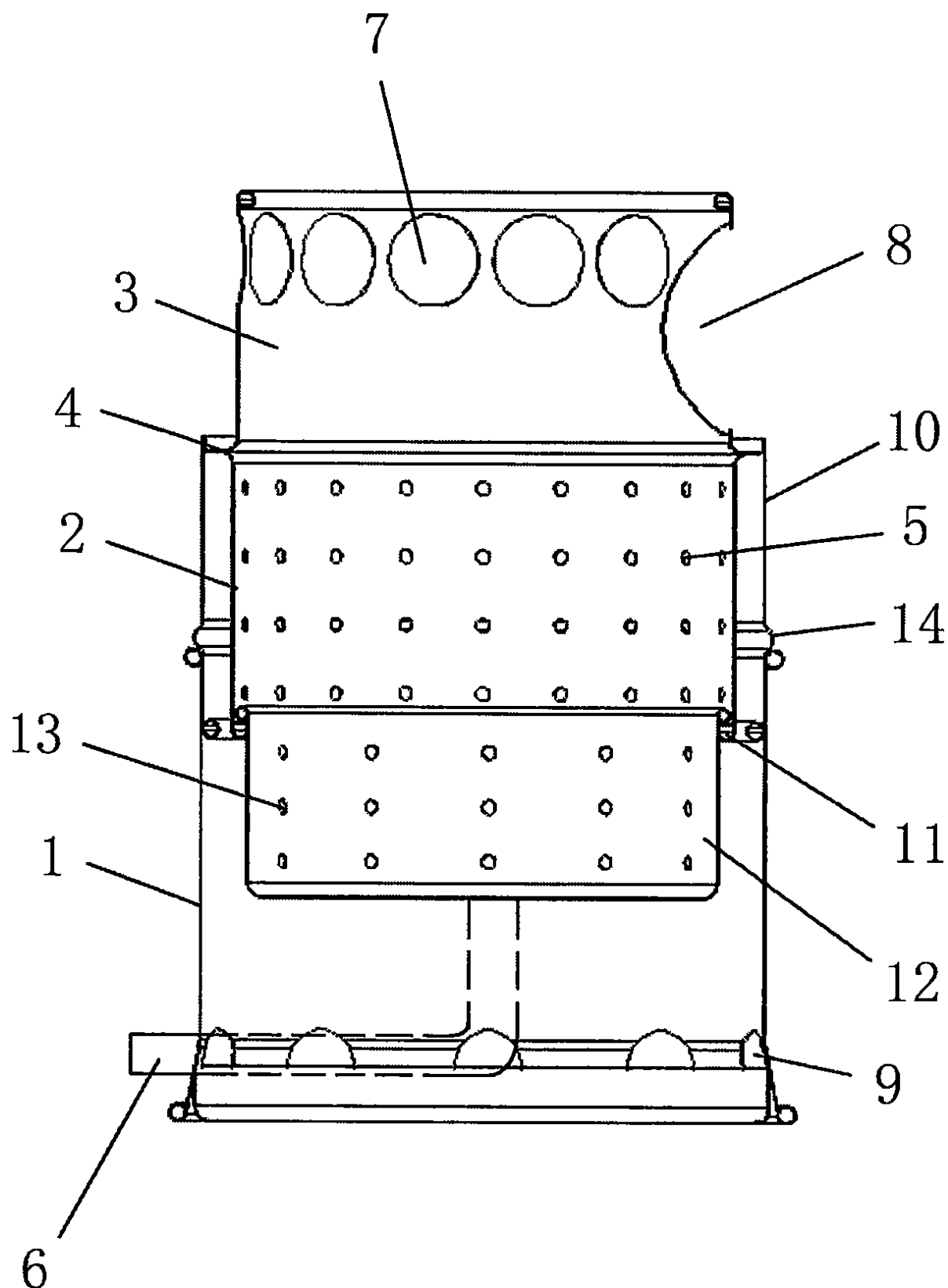
Family 51/100 - FAMPAT - ©Questel

Title

(CN205065801U)

Novel portable xyloid coal steam stove

Images



Publication data including kind & date

CN205065801

U

2016-03-02

CN205065801U



Abstract

(CN205065801U)

The utility model discloses a novel portable xyloid coal steam stove, including a seat circle section of thick bamboo, inner bag and fire door frame, the port is equipped with fire door frame mount pad on the inner bag, the fire door frame fire door frame mount pad of packing into, and the inner bag embolias and port department is gone up to a fixed present circle

section of thick bamboo, be covered with the cigarette hole on the lateral wall of inner bag, a blast pipe is connected to the inner bag bottom, and the blast pipe is L shape, being equipped with flame on the fire door frame and dividing the discharge orifice and add the firewood hole, seat circle bobbin base portion is equipped with the fresh air inlet, the blast pipe is located the fresh air inlet that seat circle bobbin base portion was worn out to the inner bag below. Compared with the prior art, the utility model the advantage be: all being equipped with on inner tube section of thick bamboo wall and the stone or metal plate for standing a stove on as a precaution against fire pan bi and on average being covered with the cigarette hole, can fully burn the wood gas that produces among the combustion processes, inside and outside section of thick bamboo bilayer structure, messengers incoming air be steam, its combustion efficiency height, and the firepower is big, and the very hot oven can be realized to the electronic air -blast device of blast pipe connection.

Inventors

CAO JUN

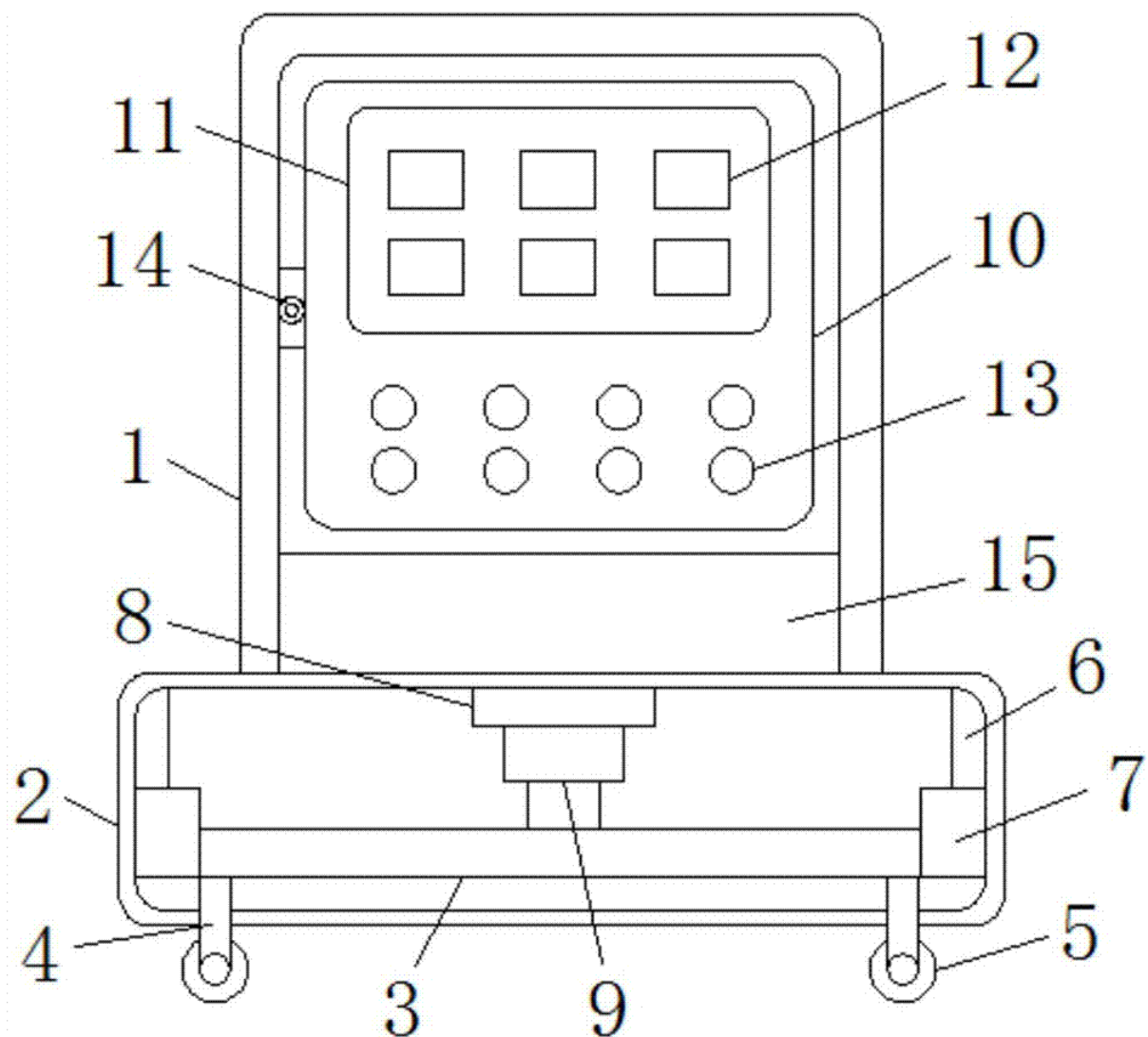
Family 52/100 - FAMPAT - ©Questel

Title

(CN206402558U)

Portable multi -functional intermediate frequency electric stove switch board

Images



Publication data including kind & date

CN206402558

U

2017-08-11

CN206402558U



Abstract

(CN206402558U)

The utility model discloses a portable multi -functional intermediate frequency electric stove switch board, including cabinet outer shell and base, cabinet outer shell's bottom fixedly connected with base, the inner wall bilateral symmetry of base is

equipped with the spout, two all be equipped with the slider in the spout, two fixedly connected with bottom plate between the slider, the upper end center department of bottom plate is equipped with the telescopic link, the one end that the bottom plate was kept away from to the telescopic link is equipped with drive arrangement, the lower extreme of bottom plate is fixed with bracing piece, every all around respectively the lower extreme of bracing piece is equipped with the wheel respectively, outer wall one side of cabinet outer shell is equipped with the cabinet door, the outside of cabinet door is equipped with a plurality of align to grid's control button, upper end one side of cabinet outer shell is equipped with the malfunction alerting ware, cabinet outer shell's interior roof is equipped with the LED lamp, cabinet outer shell's lower extreme is equipped with the drying cabinet. The utility model discloses simple structure, easy operation is convenient for remove and the transportation, and is had multiple functions such as illumination, alarm and drying.

Inventors

LIU RUI

Latest standardized assignees - inventors removed

XIANNING WEILI MACHINERY

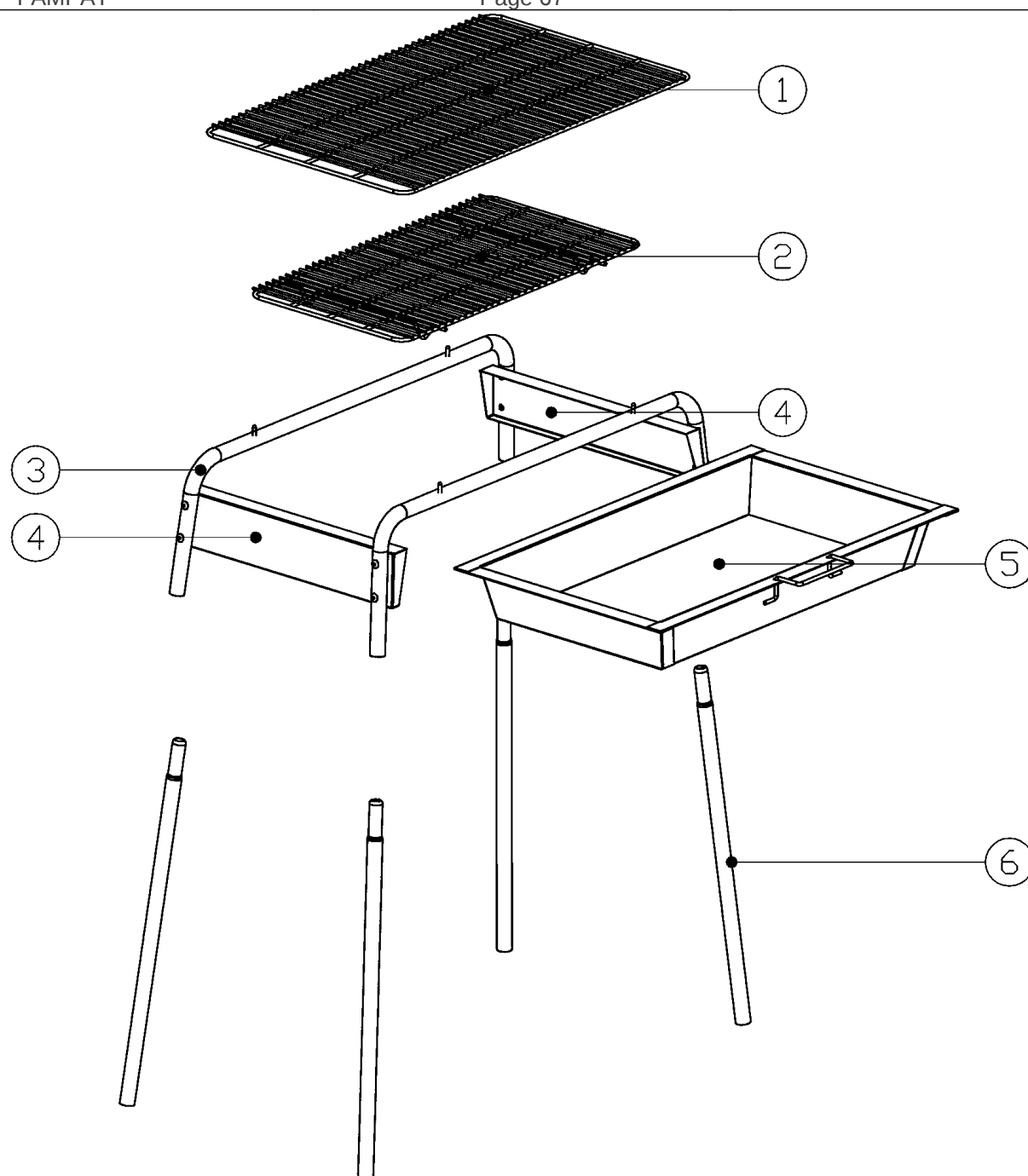
Family 53/100 - FAMPAT - ©Questel

Title

(CN203861046U)

Barbecue oven

Images

**Publication data including kind & date**[CN203861046](#)

U

2014-10-08

CN203861046U

**Abstract**

(CN203861046U)

A portable barbecue oven is mainly characterized in that a main structure is formed by a frame (3) and left and right side plates (4). Thus, a charcoal burner placed on the side plates (4) can be drawn forwards freely, and a user can add fuel to the charcoal burner conveniently and freely without removing a barbecue grill in the using process.

Inventors

FAN CHAO

Family 54/100 - FAMPAT - ©Questel

Title

(EP1866572)

Improvements in cooking stoves

Images

JP5237788	B2	2013-04-05	JP5237788
CA2614461	C	2014-08-12	CA2614461
US9219213	B2	2015-12-22	US9219213

**Abstract**

(EP1866572)

A solid fuel, portable stove reduces smoke emissions and provides for a high temperature of combustion in a compact and easily manufacturable design. A main housing (11) comprises a combustion chamber (12) for containing fuel for combustion and a fan (50) configured to force air into the combustion chamber. A rechargeable electrical power source (40) is used for driving the fan (50) and a thermoelectric element (31) provides power to the fan and to the rechargeable power source. In one embodiment, the thermoelectric element also provides excess output power to a connected device (D) such as a low voltage white light emitting diode, thereby providing a self illuminating, rechargeable stove which is suitable for sunset or early evening cooking.

Inventors

VAN DER SLUIS PAUL

Latest standardized assignees - inventors removed

PHILIPS ELECTRONICS

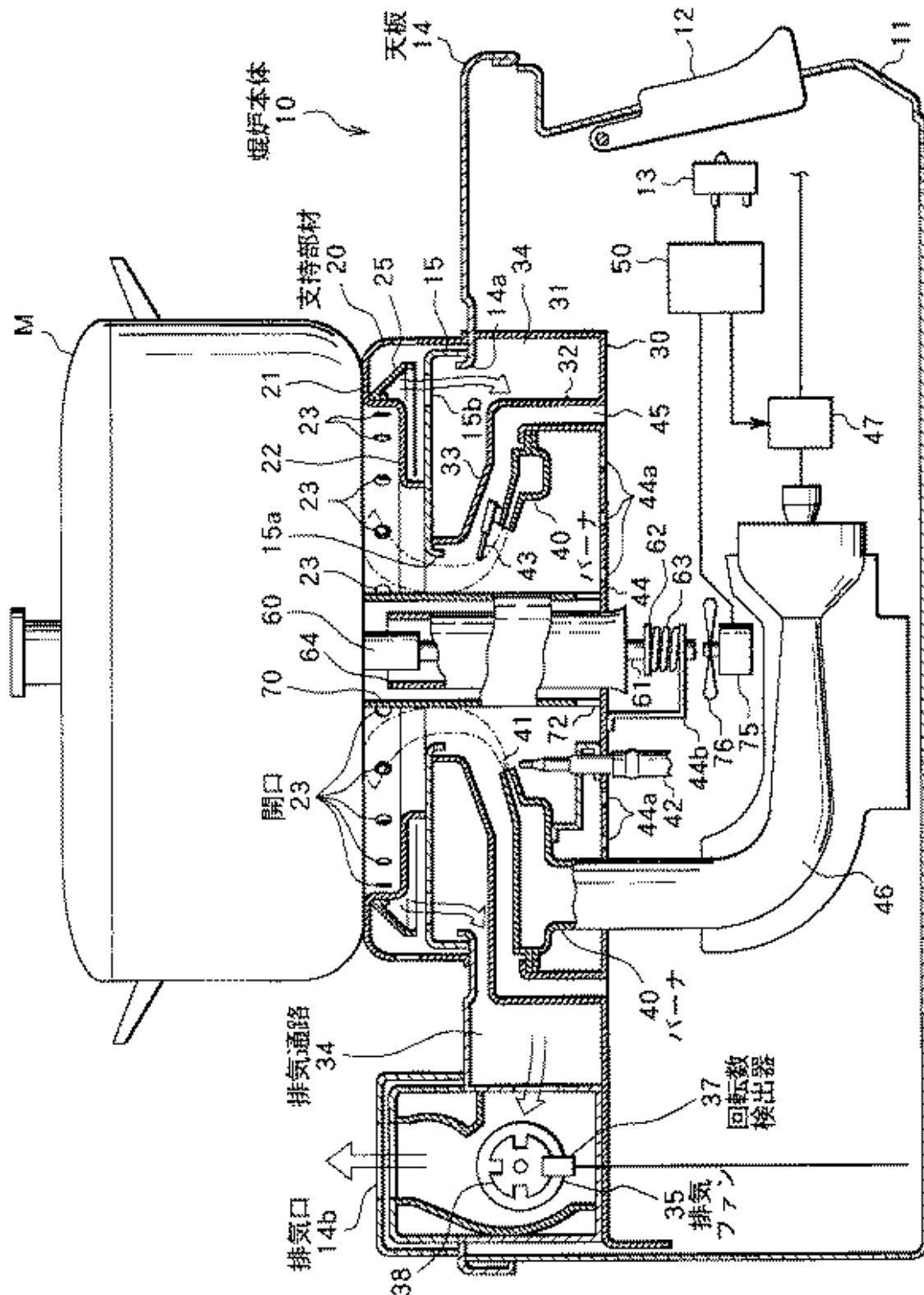
Family 55/100 - FAMPAT - ©Questel

Title

(JP09101029)

Heated item temperature sensing device of cooking stove

Images



Publication data including kind & date

JP09101029 A 1997-04-15 JP09101029
JP3722303 B2 2005-09-22 JP3722303



Abstract

(JP3722303)

PROBLEM TO BE SOLVED: To enable a temperature of a heated item to be detected accurately by a method wherein influence applied by combustion flame or radiation heat produced by an anti-flame member is eliminated. **SOLUTION:** A thermo-sensitive head 60 for use in sensing a temperature of a bottom surface of a heated item M is forcedly cooled by a cooling fan 76 and at the same time a protection cylinder for the thermo-sensitive head 60 is made into a double-layer. A combustion flame is shielded by a protection outer cylinder 70 and then radiation heat produced from the protection outer

cylinder 70 is shielded by a protection inner cylinder 64. With such an arrangement as above, it is possible to prevent effectively a non-required increasing in temperature of the thermo-sensitive head 60 and further a temperature at a bottom surface of a heated item M can be accurately measured by the thermo-sensitive head 60, resulting in that it becomes possible to perform a suitable control over a cooking temperature at the heated item M or to prevent non-loaded cooking. In addition, since a forced air-cooling is carried out, this invention has an effect in which the temperature of the discharged gas can be decreased.

Inventors

YAMAZAKI TOMOSABURO

YOSHIMURA MASAHIRO

KOBAYASHI KOHEI

Latest standardized assignees - inventors removed

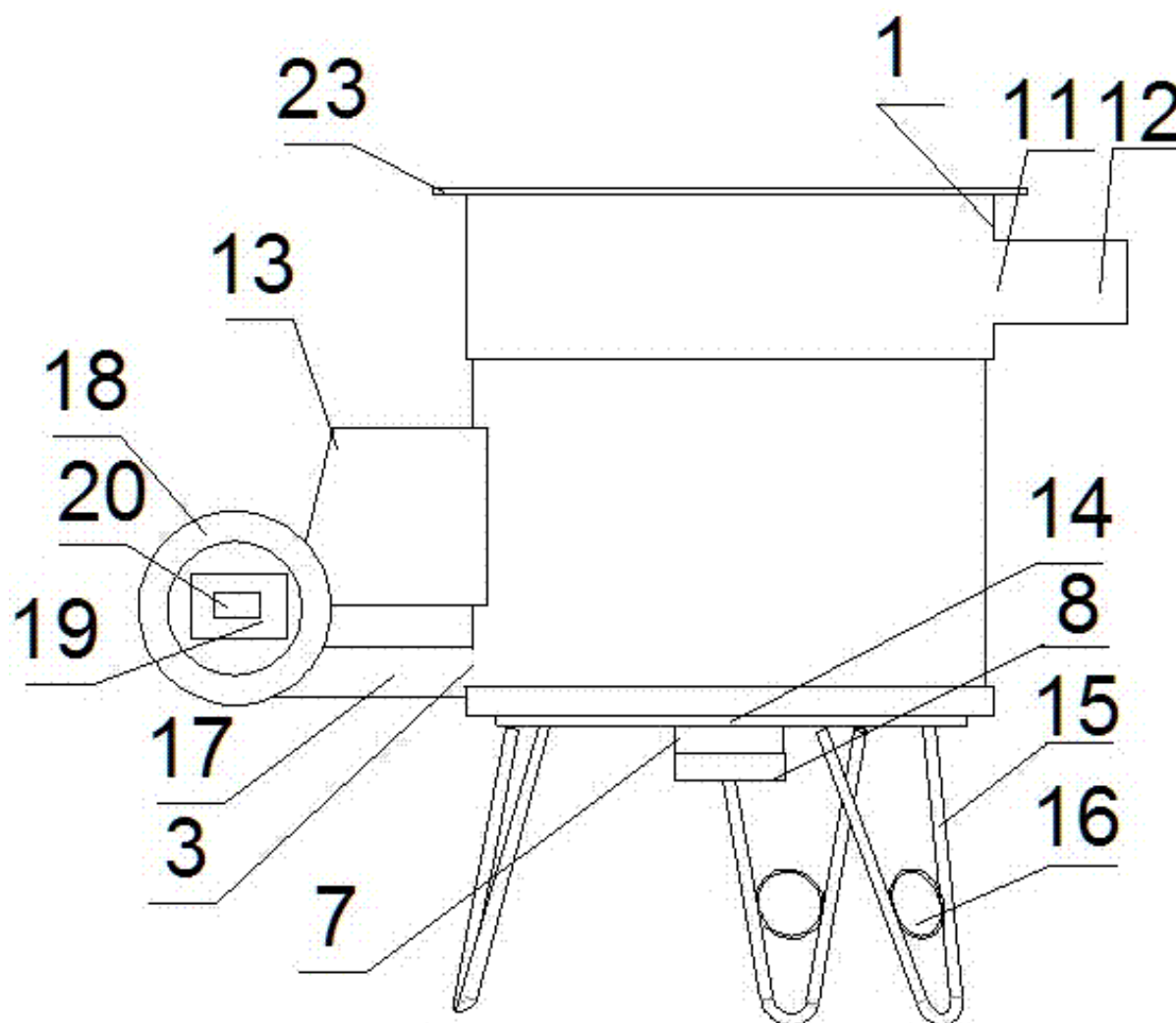
TOKYO GAS

Family 56/100 - FAMPAT - ©Questel

Title

(CN206540182U)

Fuel burning carrier

Images**Publication data including kind & date**[CN206540182](#)

U

2017-10-03

CN206540182U

**Abstract**

(CN206540182U)

The utility model discloses a burning carrier of fuel, including shell and the furnace of setting in the shell, the furnace bottom sets up a plurality of air intake, shell one side is equipped with a feeding section of thick bamboo that passes shell

and furnace, a feeding section of thick bamboo and shell and furnace's junction sealing connection. Furnace is the upper end opening, last week of furnace the side with the shell through annular cavity piece sealing connection. Be equipped with a plurality of hole on the annular cavity piece. The shell side sets up the smoke discharge hole who passes shell and furnace, smoke discharge hole and shell and furnace's junction sealing connection. The shell lateral part is equipped with the guide duct, the guide duct passes the junction sealing connection of shell and shell, the guide duct is connected with the air -blower.

Inventors

FAN LEI

ZHANG YUNGENG

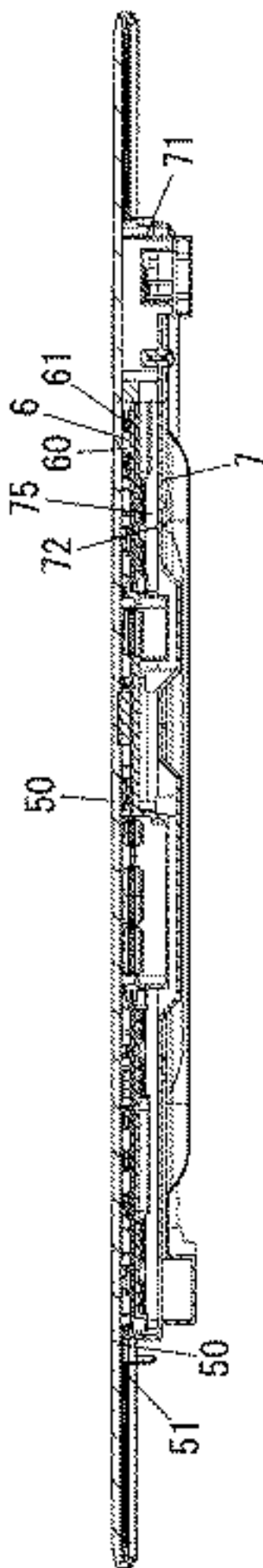
Family 57/100 - FAMPAT - ©Questel

Title

(JP2016053432)

Stove

Images



[JP2016053432](#)

A 2016-04-14 JP2016053432

[JP6434256](#)

B2 2018-12-05 JP6434256

**Abstract**

(JP6434256)

PROBLEM TO BE SOLVED: To provide a stove capable of cooling a substance and hard to generate positional deviation to the top board of the substrate with attachment/detachment of the top board. **SOLUTION:** A stove body includes a housing opened above, and a blower installed in the housing. An intake port and an exhaust port are formed in the housing. A substrate 6 includes a detection part 61 for detecting operation of an operation tool provided on a top board covering the upper opening part of the housing, or a display part 60 for displaying operation information of a stove on the upper surface side of the top board through the top board. A substrate storage body 7 includes a substrate storage part 72, a gas inflow port communicating to the inside of the substrate storage part 72, and a gas outflow port communicating to the inside of the substrate storage part 72. The substrate 6 is stored in the substrate storage part 72, and the substrate body 7 is attached to the top board. The top board is installed on the housing. The gas inflow port communicates to the blowout port of the blower, and the gas outflow port communicates to the exhaust port of the housing. **SELECTED DRAWING:** Figure 2

Inventors

SAKUTA HIROKAZU

MIYATO AKIRA

Tatsuya Ishiki

Uno Kana

Latest standardized assignees - inventors removed

HARMAN

OSAKA GAS

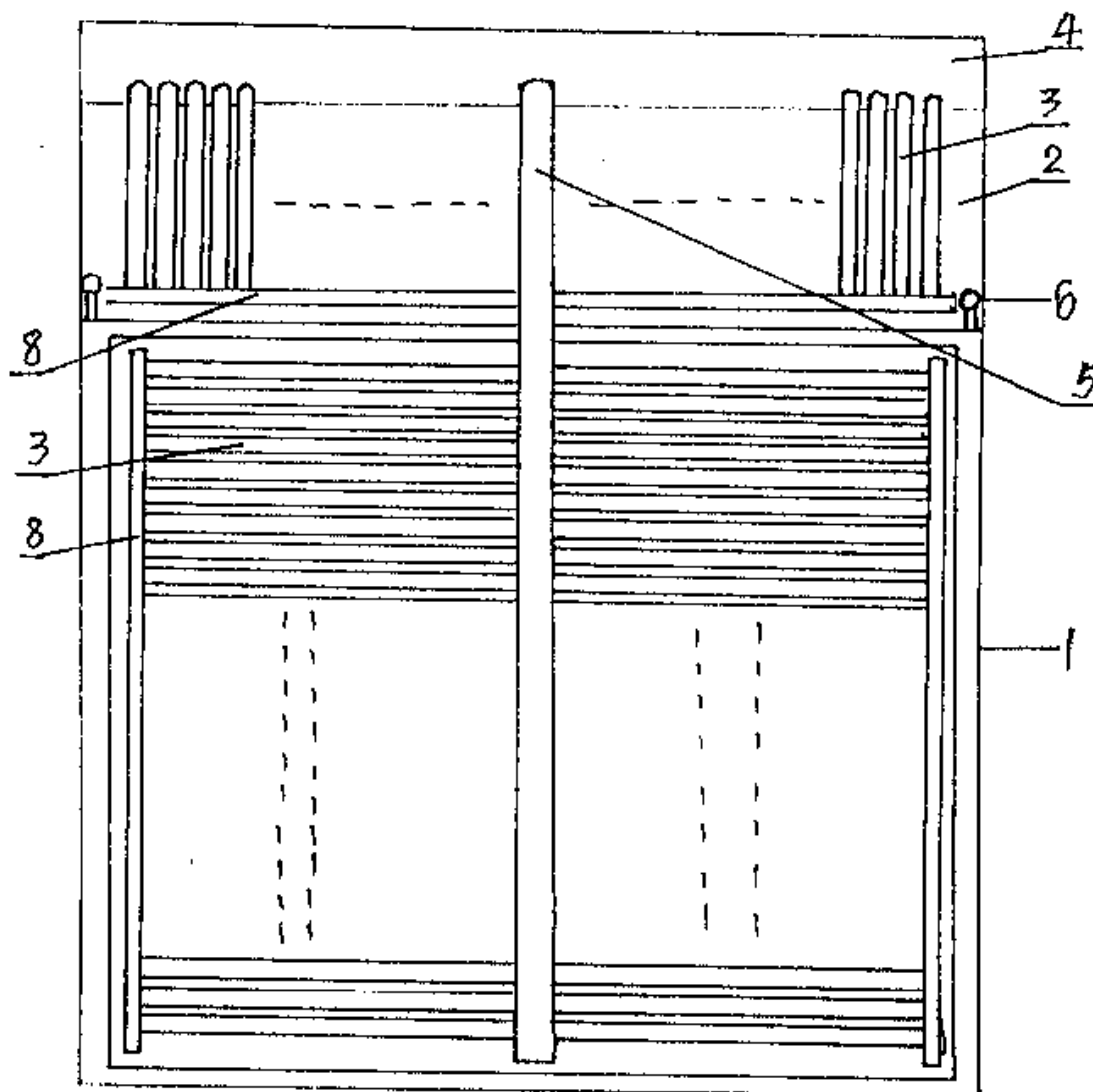
Family 58/100 - FAMPAT - ©Questel

Title

(CN2508177U)

Moveable solar integral kitchen

Images

**Publication data including kind & date**

[CN2508177](#) Y 2002-08-28 CN2508177U

**Abstract**

(CN2508177U)

The utility model belongs to the solar heat collector technology field when the working fluid flows by a heat collector. A movable type solar energy kitchen unit comprises a movable kitchen body, a lifting hook positioned at the top of the kitchen body, and a steam oven connected with a solar water heater in the kitchen body, the solar water heater connected with the kitchen body is arranged on the outer surface of the movable kitchen body. The energy is provided by the solar energy, without the other fuel required, the cooking can be operated, the kitchen body can be moved along with the field operation staff, and the field operation staff can eat the tasty hot meal in the field.

Inventors

FAN SHUNQI

Family 59/100 - FAMPAT - ©Questel

Title

(CN201091518U)

Outdoor multifunctional compound broiled oven

Publication data including kind & date

[CN201091518](#) Y 2008-07-30 CN201091518U

**Abstract**

(CN201091518U)

The utility model relates to a multifunctional combination barbecue furnace used in the open air, including an oven. The multifunctional combination barbecue furnace is characterized in that: the interior of the oven is divided into an upper furnace chamber and a lower furnace chamber through a fire grate; wherein, the upper furnace chamber is provided with a spice box used for storing spices and prods; the lower furnace chamber is provided with an operational platform box for tappasaki; a ventilation opening is arranged at both sides of the lower furnace chamber; a stoke hole control panel is arranged at the position corresponding to the ventilation opening; the upper end and the side of the oven are provided with a neck used for installing the upper furnace chamber cover, the spice box and the operational platform box for tappasaki. The multifunctional combination barbecue furnace used in the open air has the advantages of simple structure, lower cost, convenient assembly and disassembly, complete attachment and smooth operation. The multifunctional combination barbecue furnace is multifunctional for barbecue and tappasaki, realizing the synchronously roasting of shashlik and fish. With the oven in hand, the multifunctional combination barbecue furnace can realize butchering and barbecuing on the spot, as well as fishing and barbecuing on the spot. The multifunctional combination barbecue furnace used in the open air is an optimal instrument for popularizing wild tourism and the barbecue in tourism.

Inventors

HE FAN

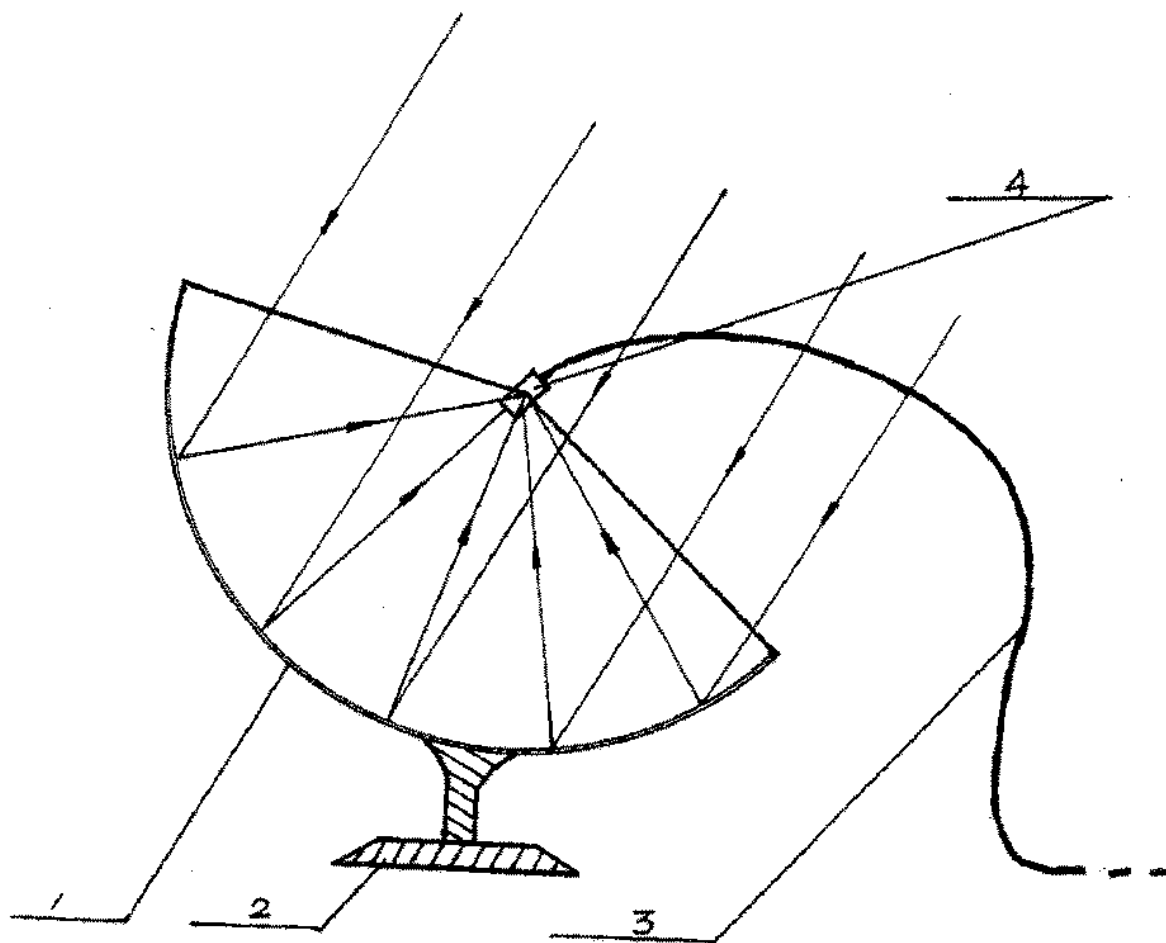
HE JIRONG

Family 60/100 - FAMPAT - ©Questel

Title

(CN2367971U)

Regulatable photoconductive solar range

Images**Publication data including kind & date**[CN2367971](#)

Y

2000-03-08

CN2367971U

**Abstract**

(CN2367971U)

The utility model relates to an adjustable photoconductive solar range, which belongs to the technical field of the group of solar heat utilization such as solar energy collectors of the subclass of heat production and utilization, which is not included in other classes of the class of heat supply; cooking ranges; ventilation under the subsection of illumination; heating in the section of mechanical engineering according to the International Patent Classification (IPC). The number is F24J2/00. The utility model is composed of a solar range, a supporting seat, photoconductive fiber, a light gathering pipe, a cooker plate, an adjusting rotary handle, a light heating range and a louvered reflection mirror. The utility model is characterized in that the light gathering pipe is arranged on the cohesion focus point of the solar range. The utility model is an adjustable photoconductive solar range with practical value.

Inventors

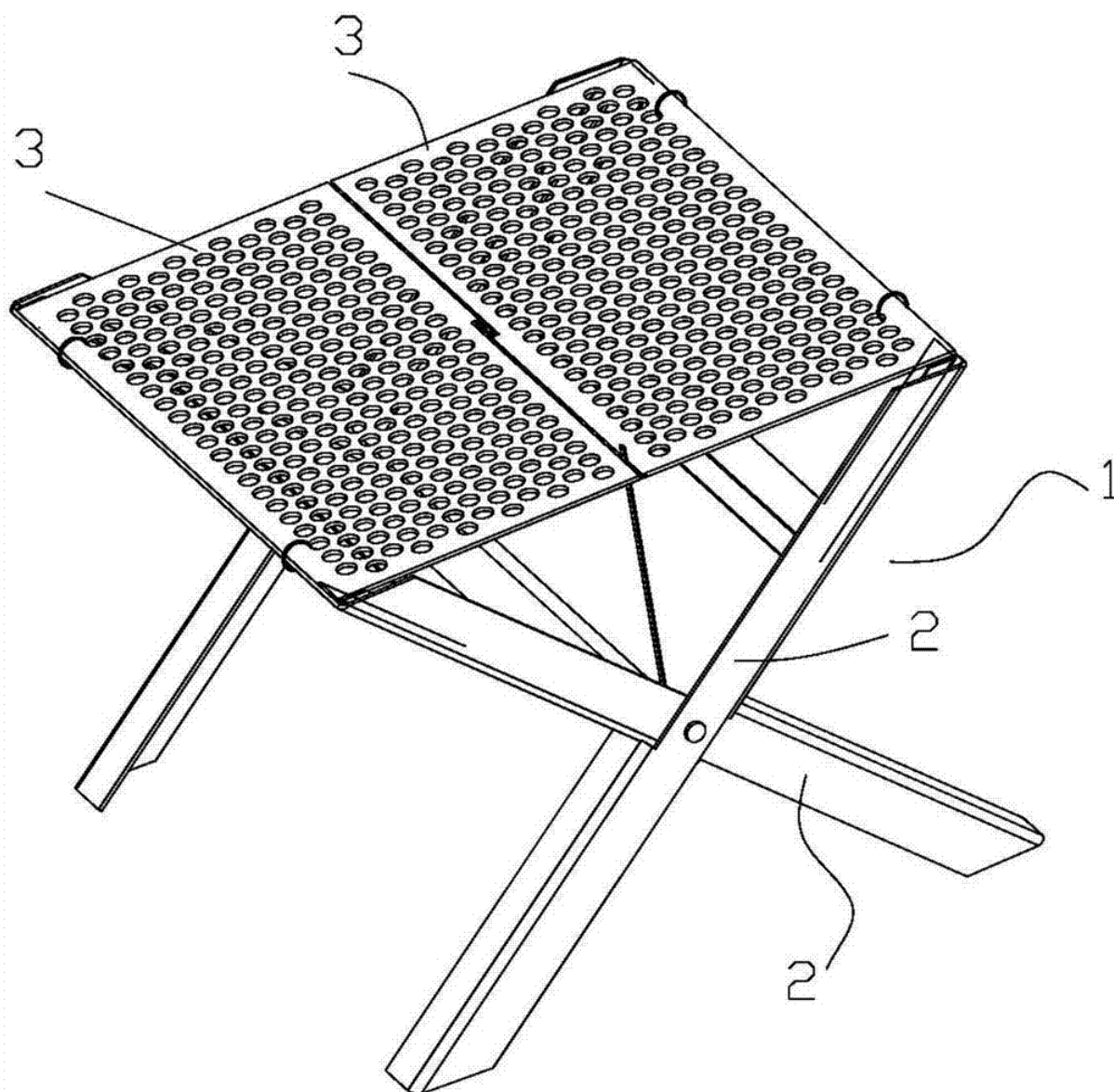
HU FAN

Family 61/100 - FAMPAT - ©Questel

Title

(CN107212761)

Portable barbecue oven

Images**Publication data including kind & date**[CN107212761](#)

A

2017-09-29

CN107212761

**Abstract**

(CN107212761)

The invention discloses a portable barbecue oven which comprises a pair of foldable grates. Each grate comprises a platy oven sheet, a pair of supporting legs are arranged at the bottom of each oven sheet, a pair of connecting circular holes are formed in the top of each oven sheet, a connecting circular ring is formed in each connecting circular hole, a rotating shaft hole is formed in each supporting leg, a pair of detachable orifice plates are arranged at the tops of the grates, a rotating shaft lever penetrates the rotating shaft holes, and a plurality of rotatable supporting rods are arranged on the rotating shaft lever. When ash at the bottom of the folded oven sheets needs to be cleaned, a user can directly hook holes in the orifice plates by barbecue hooks, so that the orifice plates are heaved upwards from a joint, a gap is exposed from the bottom of the folded oven sheets, and the ash leaks.

Inventors

THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

Latest standardized assignees - inventors removed

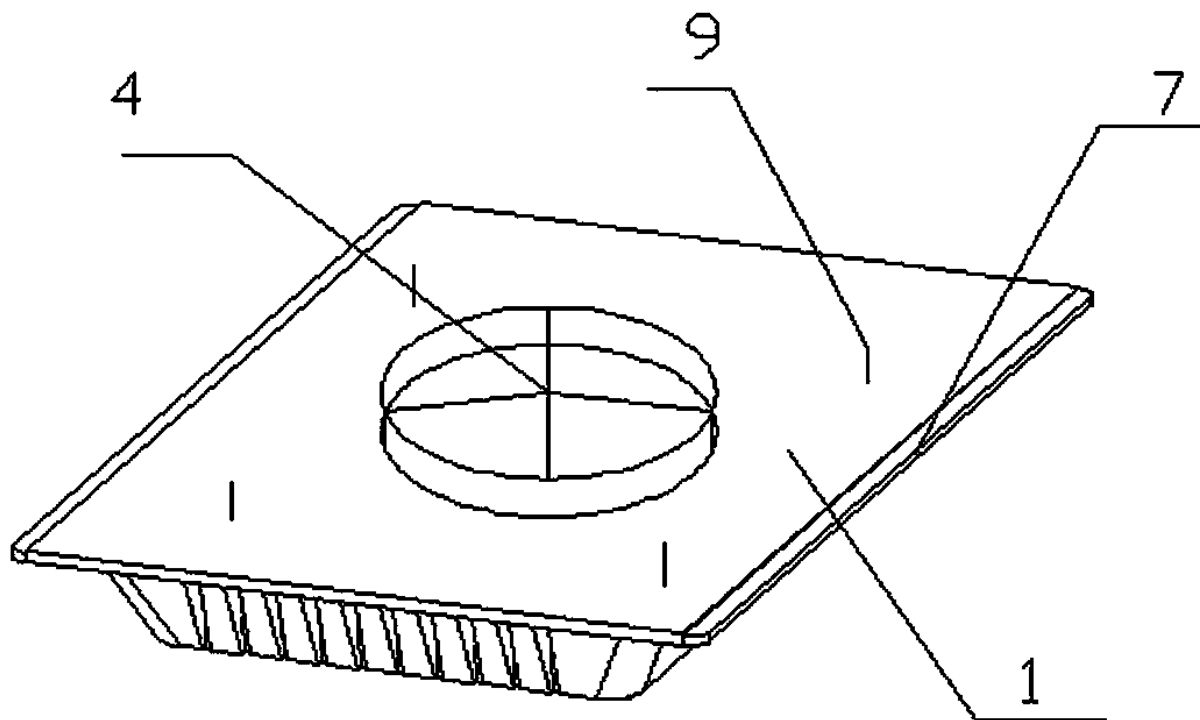
FAN KECHEN

Family 62/100 - FAMPAT - ©Questel

Title

(CN204678426U)

Install whole shaping electromagnetism stove shell of antimagnetic portable

Images**Publication data including kind & date**

[CN204678426](#) U 2015-09-30 CN204678426U

**Abstract**

(CN204678426U)

The utility model discloses an install whole shaping electromagnetism stove shell of antimagnetic portable, including electromagnetism stove casing itself, panel heating device, the panel heating device install electromagnetism stove casing upper end itself, inside base support device and the cooling fan device of being provided with of electromagnetism stove casing itself, base support device with the cooling fan device with the electromagnetism stove casing itself is a body coupling, the electromagnetism stove casing itself is provided with air intake and air outlet, the air outlet sets up the lower extreme of electromagnetism stove casing itself, the upper end of electromagnetism stove casing itself is provided with the slot, the slot is connected panel heating device with electromagnetism stove casing itself. The utility model discloses simple structure, it is convenient to remove, has reduced installation procedure, reduces material and manpower resources.

Inventors

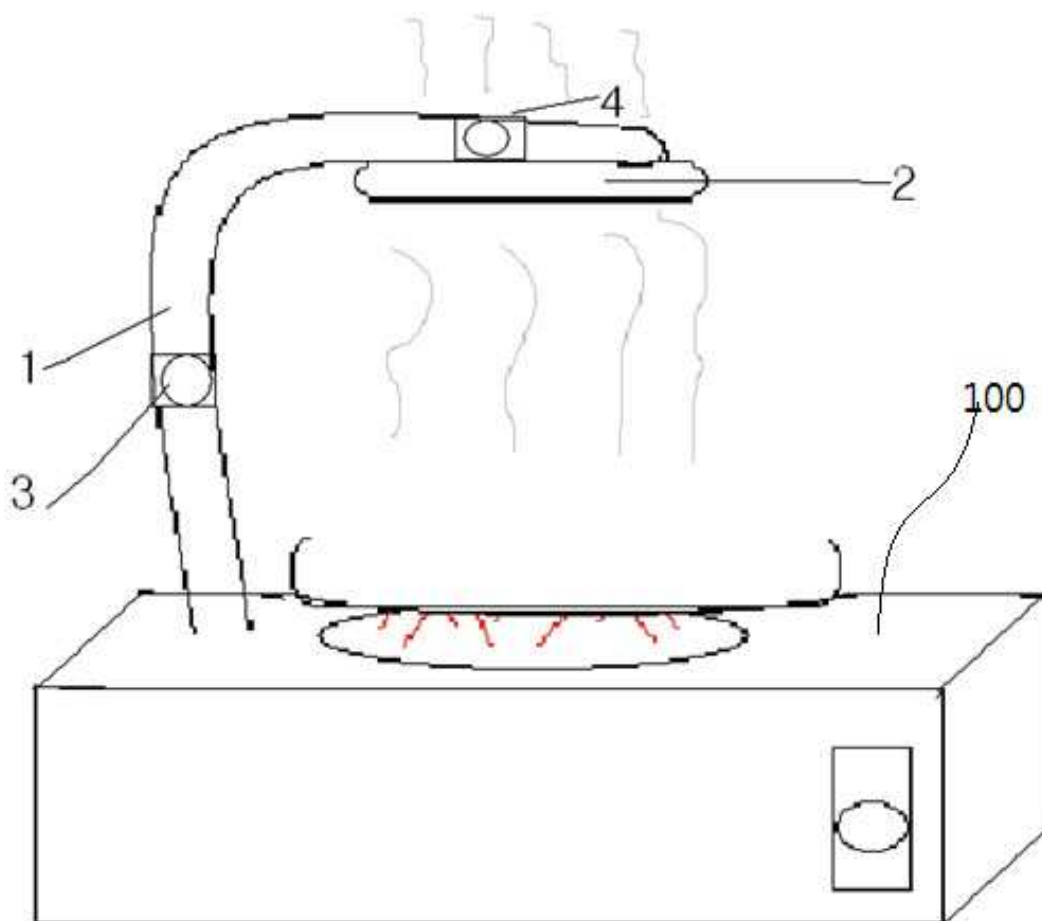
CHEN CHAO

Family 63/100 - FAMPAT - ©Questel

Title

(KR20140017911)

Portable gas stove

Images**Publication data including kind & date**[KR20140017911](#)

A

2014-02-12

KR20140017911

**Abstract**

(KR20140017911)

The present invention relates to a portable gas range, capable of generating heat by using charged gas and more specifically, a portable gas range which prevents uncomfortableness caused by smoke generated when meat is roasted. The portable gas range can draw the gas into the air by including a fan in the upper side by considering the uncomfortableness caused by the smoke spread towards people when the people roast the meat with an existing portable gas range.

Inventors

LEE, SANG YONG

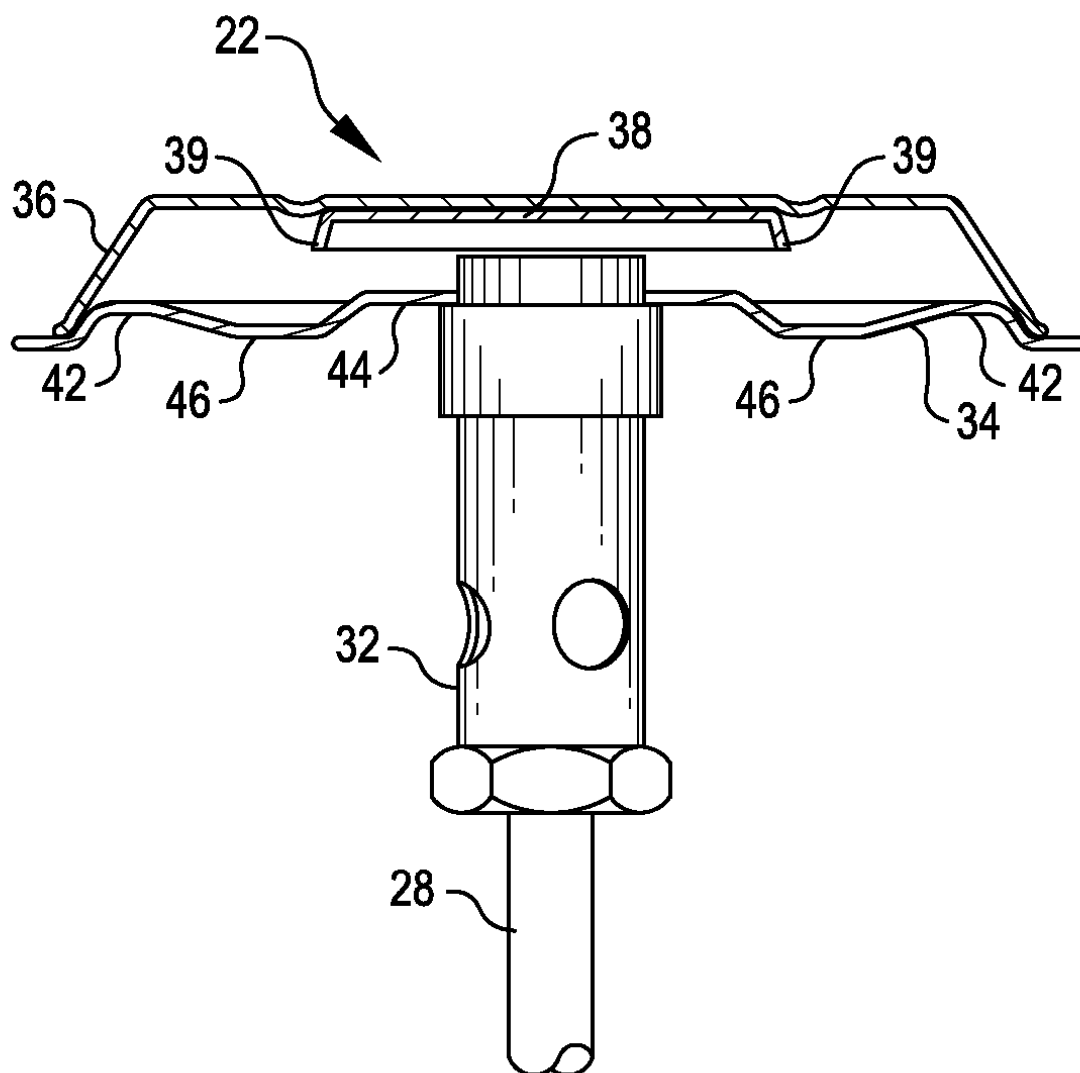
Family 64/100 - FAMPAT - ©Questel

Title

(EP1952067)

Liquid fuel backpacking stove

Images

**Publication data including kind & date**

US20070087297	A1	2007-04-19	US20070087297
WO2007047132	A2	2007-04-26	WO200747132
CA2626254	A1	2007-04-26	CA2626254
AU2006303941	A1	2007-04-26	AU2006303941
WO2007047132	A3	2007-08-16	WO200747132
KR20080072665	A	2008-08-06	KR20080072665
EP1952067	A2	2008-08-06	EP1952067
JP2009511857	A	2009-03-19	JP2009511857

**Abstract**

(EP1952067)

A stove having a burner bottom with an integrated trough for catching fuel. The trough may be formed, for example, by a section that is captured between a raised center of the burner bottom and a raised outer annular rim of the burner bottom. A burner top for the stove includes a plate that directs fuel contacting the burner top down into the trough in the burner bottom. This plate may be, for example, a plate having a downward-turned outer annular lip that extends toward the trough. A fuel tip is provided that extends down into a liquid fuel tank for the stove. The fuel tip includes a piston that is moveable to provide a lean fuel; air-fuel mixture upon start of the stove, and a rich fuel, air-fuel mixture after the stove is started.

Inventors

LONG NORRIS RICHARD

Latest standardized assignees - inventors removed

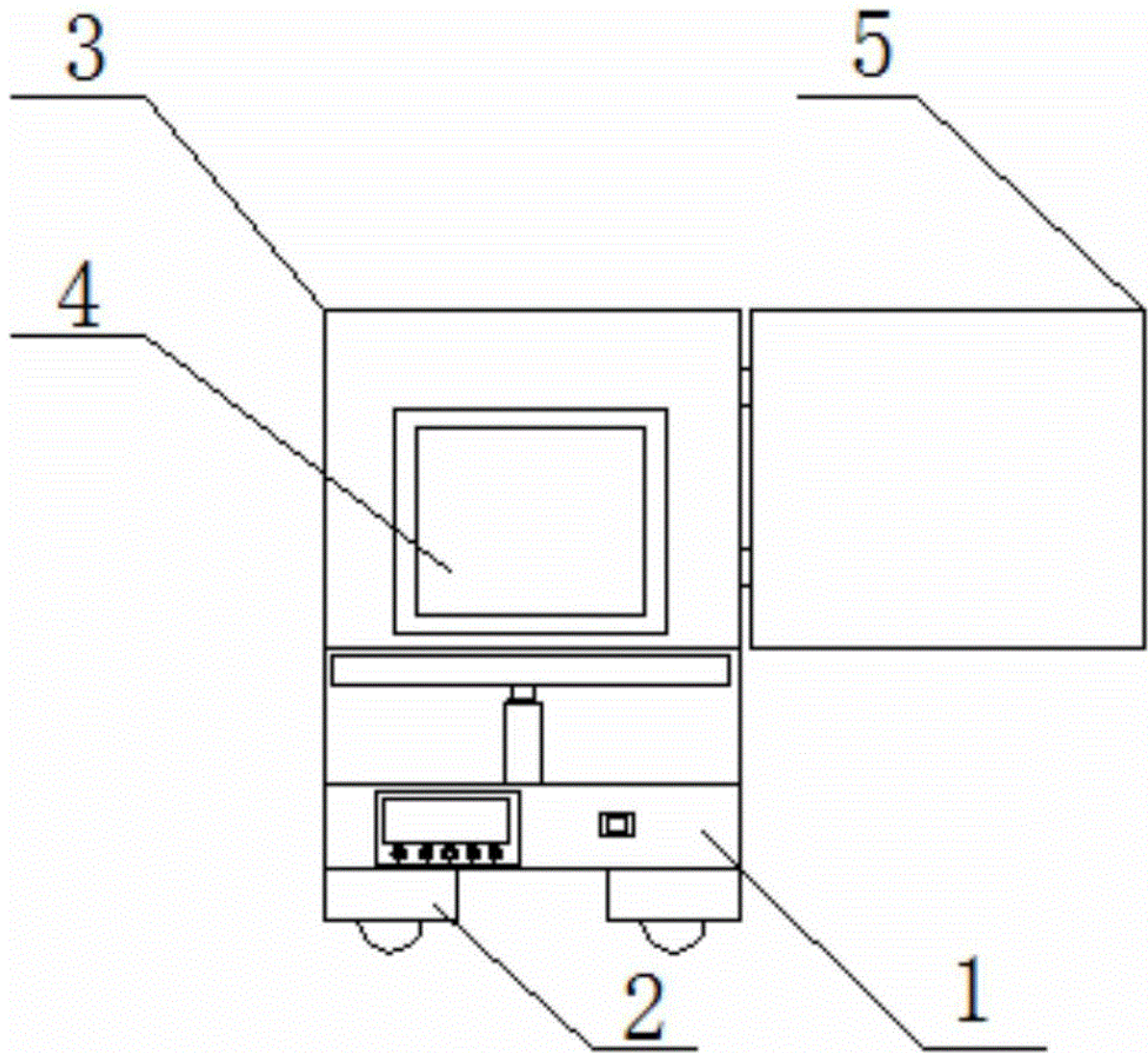
COLEMAN

Family 65/100 - FAMPAT - ©Questel

Title

(CN208620833U)

Portable gas stove regenerative

Images**Publication data including kind & date**[CN208620833](#)

U

2019-03-19

CN208620833U

**Abstract**

(CN208620833U)

The present utility model discloses a portable electric furnace heat accumulation type combustion gases, including a hypervisor, operating platform of the mobile frame are welded to the bottom end of symmetry, the upper end of the operation platform are welded to a furnace, a furnace body provided with a central position inside, oven body is connected with a transparent insulating glass protective cover the sides of the through shaft, corresponding to the lower portion of the operation platform scoops are provided through the interior, with the junction of the scoops welded with a louver, a bottom end connected with blower scoops, with an operating platform linearly coupled to blower; scoops is achieved through creation of a fan and an air mover disposed blow wind against openable, increased furnace heat function of san groove, through the transparent insulating glass protective cover is provided to insulated glass material, not only can maintain the temperature within the furnace during heat, but also in heat is observed at any time during heat condition of the article.

Inventors

HU AIBING

Latest standardized assignees - inventors removed

HUAI AN FANGYUAN FORGING

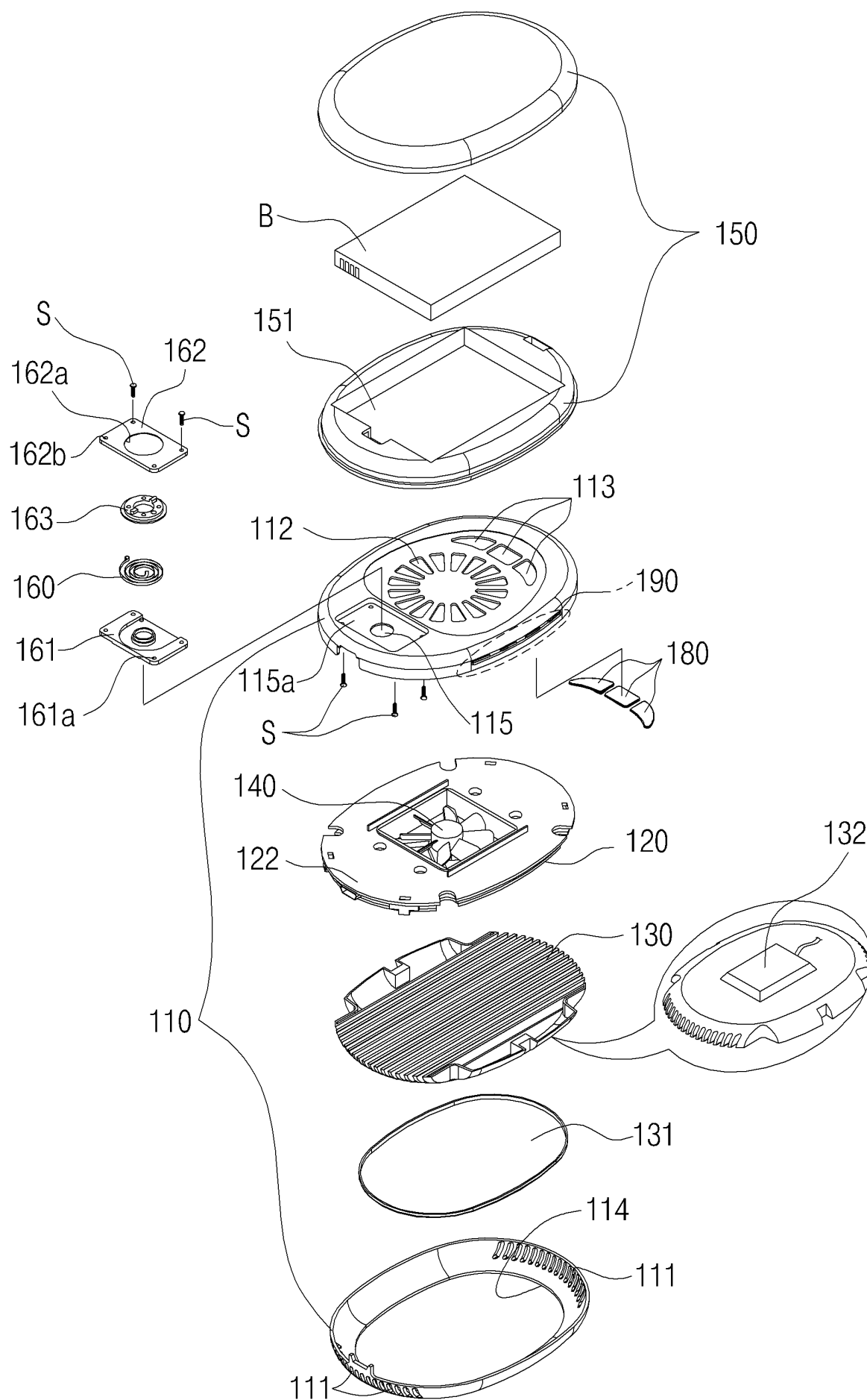
Family 66/100 - FAMPAT - ©Questel

Title

(KR200477216U)

Portable hand stove having cooling function

Images



(KR200477216U)

The present invention comprises a portable body warmer with a cooling function relates, in an electrically charged body warmer, the hand (100) warmer is, at the edge into an elliptical shape having a thickness for the evacuation of air from the outside air discharge ball (111) is provided and, on the front of the air introduction hole (112) is formed, is formed at one side of the introduction hole (112) and a button installation tools (113), a through hole (114) is formed on the rear side, the front side of a body formed (110) with a wire ball (115); embedded inside the body (110) and the printed circuit board (120); installed on one side of the printed circuit board to a printed circuit board to block the heat transfer plate (122) and a train; outside the aperture (114) of the (110) body so that the conduction plate (131) is fixed to a collinear and provided, on one surface of the portion of the conductive plate and (131) the printed circuit board (120) and electrically connect to the heat generated by the heat and cold ♠ (132) or cooling of a heat sink attached to (130) the same; in the main body and electrically connected to the printed circuit board (120) provided with the blower (140) fan; of the (110) main body is rotatably installed at one side of the wire ball (115) and, at a side of a battery therein for receiving a battery mounting portion (151) (B) and having, at one side facing the front side of the body (110) is provided with an elliptical mirror (152) and the front cover (150); wiring space (115) of the (110) body and located at the rear with a body fixedly mounted on the fastening member (S) and (161,162) and a pair of fixation plate (161,162) that is provided between the fixed plate of the front cover (150) pivoted away from the body (110) to impart elasticity to the operation of the elastic member and (160); (161,162) is provided between the fixed plate and, at the other end to the mirror (152) at the back side of the fastening member (S) fixedly mounted on the main (110) body side as the front cover (150) from the fixed plate and the connecting members (163); the printed circuit board (120) and electrically connected to the outside of the edge of the body (110) is provided with a connecting port (170); installation hole (113) provided in the body (110) of the button and the operation of the button portion (180) (110); the printed circuit board (120) electrically connected to the body (110) and the operation of the hand (100) warmer provided on a remaining amount of battery (B), the charging state of the lamp unit (190); characterized in that it consists of which, through a primary heating and cooling element and retained in the hand warmer winter cold conduction plate functions as well as through the cooling effect is to provide a skin pores shrinkage and swelling for subtracting, and prevent a drowsy can be prevented so that on the other hand, a mirror, cell phone to be used as emergency fill applications can be used irrespective of seasons, particularly with respect to the body front cover so as to overlap in a rotary manner and thereby, a misalignment of the manipulation button unit from the outside to prevent a malfunction due to pressing can provide a beneficial effect.

Inventors

KIM, KWANG-SUK

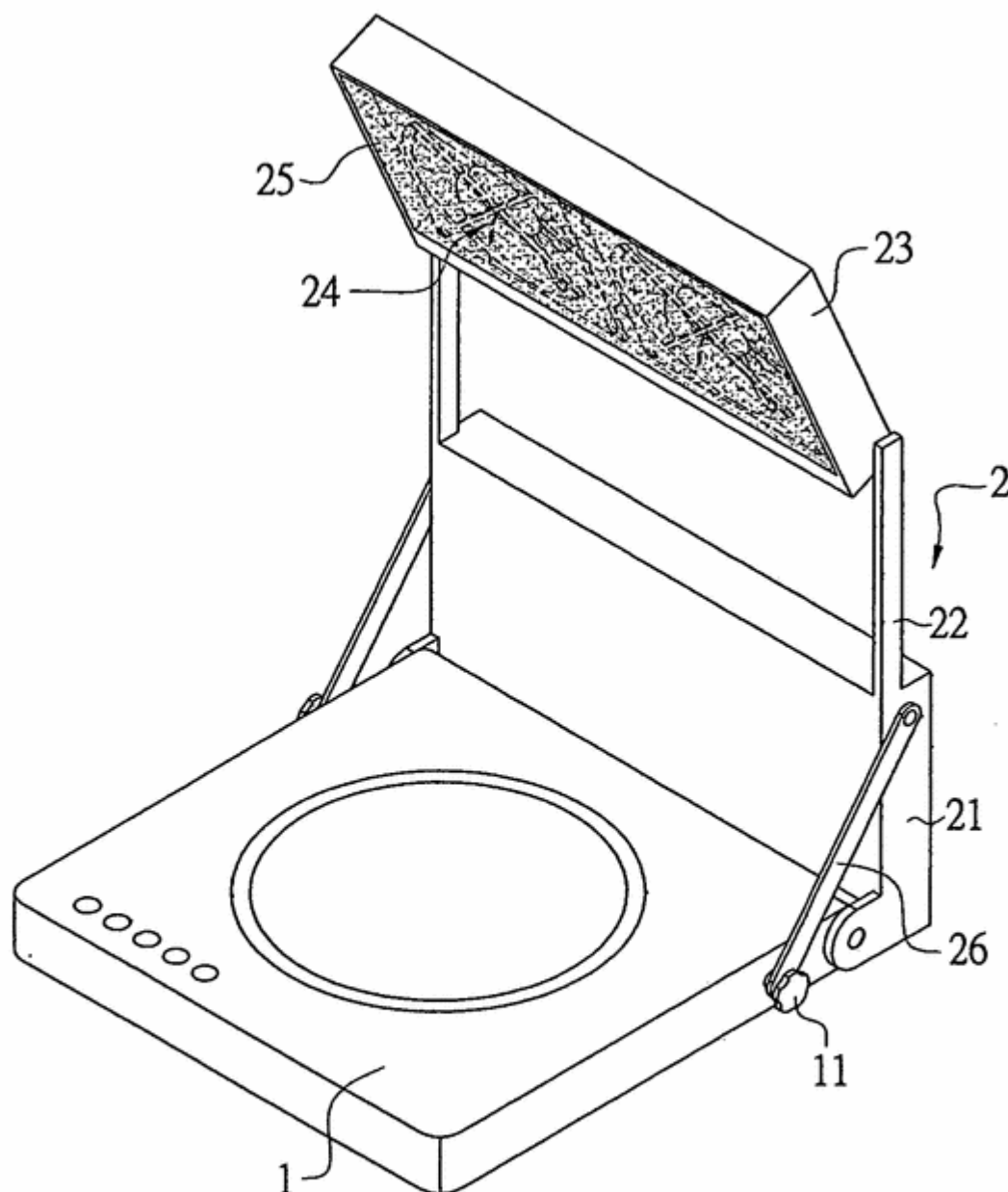
Family 67/100 - FAMPAT - ©Questel

Title

(TWM457851)

Portable stove with oil smoke absorbing function

Images



第一圖

Publication data including kind & date

[TWM457851](#)

U 2013-07-21 TWM457851



Abstract

(TWM457851)

This creation has about one kind has the adsorption lampblack function the handheld furnace and furnace accessories, it is mainly is equipped with the power source department to suppose with a portable furnace and furnace accessories end pivot shaft make the exhaust device the union, extends the strut in the power source department both sides upwardly raised, within two struts the pivot shaft is equipped with the row of lampblack department, in this row of lampblack department is equipped with at least ventilating fan, the ventilating fan and power source department electric properties connects, but covers to be equipped with the blotting mesh in the end surface of row lampblack department correspondence furnace and furnace accessories; Takes advantage of this, when can reduce its use largely occupies the space, make it, in the use establishes on a simpler convenience, and in does not use receives to set, can convert into

right sides of the body; a roller formed in the bottom of the fire pot storing at least one among briquette, pellet, and lumber; and a fire pot slide part combined with the guide rails to move from a side of the combustion chamber to the other side along the guide rails. The fire pot slide part supplies the pellets to the fire pot by connecting the fire pot with a pellet supply pipe of the pellet supply part.

Inventors

SEO, GAB SIN

Latest standardized assignees - inventors removed

KIM JIN TAE

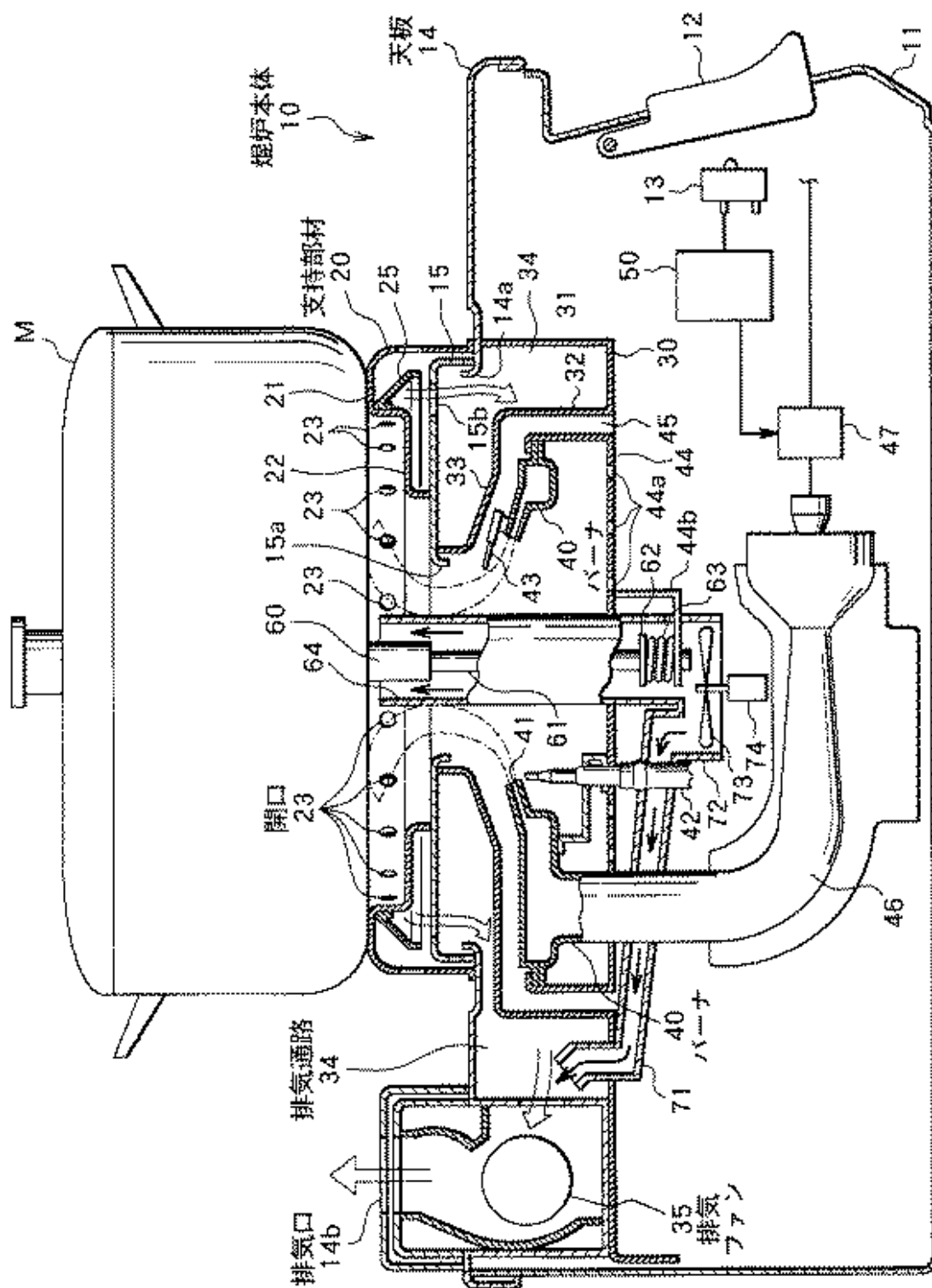
Family 69/100 - FAMPAT - ©Questel

Title

(JP09101030)

Heated item temperature sensing device of cooking stove

Images



Publication data including kind & date

JP09101030

A 1997-04-15 JP09101030

JP3682733

B2 2005-06-03 JP3682733



Abstract

(JP3682733)

PROBLEM TO BE SOLVED: To enable the temperature of a heated item to be accurately detected by a method wherein influence of radiation heat or the like produced by combustion flame or an anti-flame member. **SOLUTION:** A cooling fan 73 is rotated under an action of an air flow flowing into a communication pipe 71 due to a back pressure of an air discharging fan 35. Cooling air is fed into a protection cylinder 64 by this cooling fan 73 so as to cause a thermo-sensitive head 60 to be forcibly cooled. With such an arrangement as above, since it is possible to prevent a temperature of the thermo-sensitive head 60 under an influence of a flame of a burner 40 from being increased, a temperature at a bottom surface of a heated

item M can be measured accurately and then a temperature control of the cooked item or a prevention of non-loaded cooking can be suitably performed. In addition, since the cooling fan 73 is rotated under a utilization of a back pressure of the air discharging fan 35, an electrical power for a driving motor or the like is not required at all and it is possible to restrict an increase in the device cost.

Inventors

YAMAZAKI TOMOSABURO

YOSHIMURA MASAHIRO

KOBAYASHI KOHEI

Latest standardized assignees - inventors removed

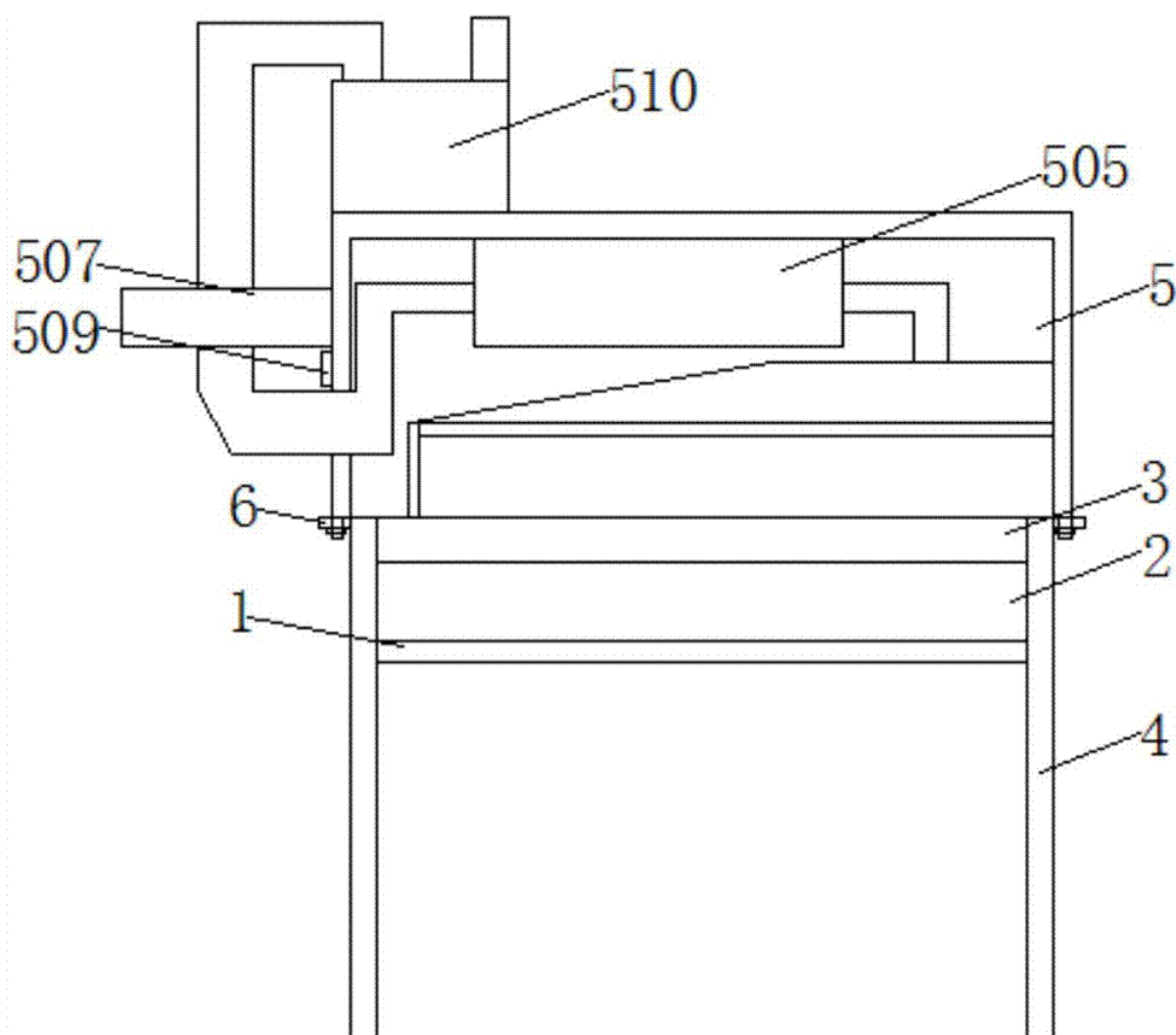
TOKYO GAS

Family 70/100 - FAMPAT - ©Questel

Title

(CN207073851U)

Outdoor portable barbecue smoking equipment for fan

Images**Publication data including kind & date**[CN207073851](#)

U

2018-03-06

CN207073851U

**Abstract**

(CN207073851U)

The utility model discloses an outdoor portable barbecue smoking equipment for fan, including furnace body, charcoal stove groove, barbecue and supporting leg, install charcoal stove groove and barbecue in the furnace body, smoking equipment is installed at the top of furnace body, supporting leg fixed connection is in the both sides of furnace body, the supporting leg is close to one side fixedly connected with baffle at top smoking equipment includes equipment cover,

equipment cover's front is not sealed, metal filters is installed to equipment cover's inner wall, metal filters's one end fixed connection is at equipment cover's inner wall, metal filters is parallel with barbecue and charcoal stove groove vertical direction, equipment cover's inner wall fixedly connected with smoke suction hood. The utility model discloses, can fixed smoking equipment, make smoking equipment conveniently dismantle and the installation simultaneously, through metal filters, dry cartridge filter and water filter tank's cooperation for the gas of smoking equipment ability multiple -layer filtering oiliness cigarette, it is better to clear away the oil smoke effect.

Inventors

ZHU QUANFU

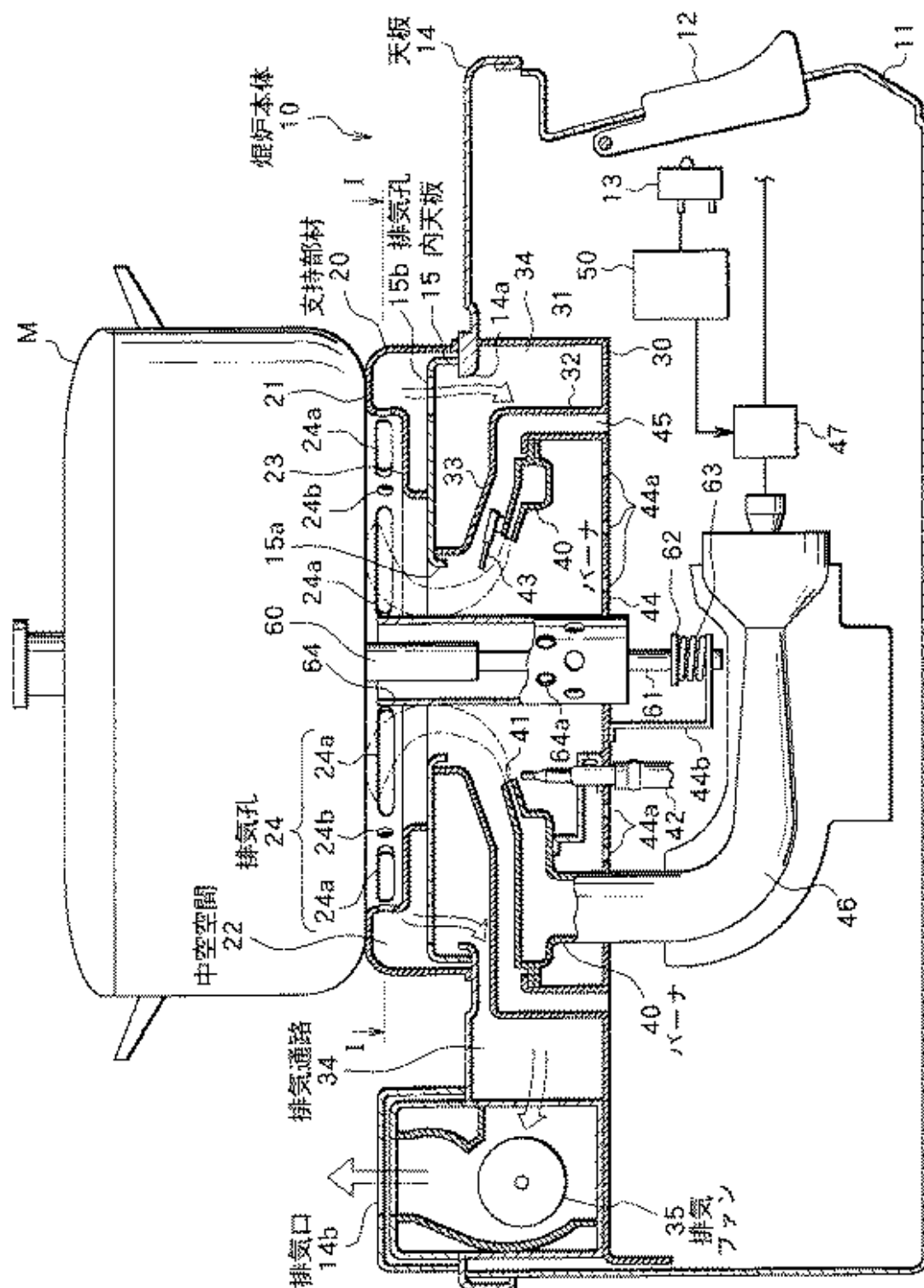
Family 71/100 - FAMPAT - ©Questel

Title

(JP09159193)

Cooking heater

Images



Publication data including kind & date

JP09159193

A 1997-06-20

JP09159193

JP3710103

B2 2005-08-19

JP3710103



Abstract

(JP3710103)

PROBLEM TO BE SOLVED: To enable a thermal efficiency to be improved and make a stable operation in a cooking heater which is comprised of a supporting member for supporting a heated item and enclosing a flame of a burner so as not to cause the flame of the burner to be exposed out of the heater. **SOLUTION:** Discharged gas generated under combustion at a burner 40 is sucked by a discharging fan 35, passes from a space inside a supporting member 20 through a discharging hole 24 of the supporting member 20, a hollow space 22 of the supporting member 20 and a discharging hole

15b of an inner top plate 15 in sequence and enters a discharging passage 34, it passes through the discharging passage 34 and then it is discharged out through the discharging port 14b. A discharging hole 24a of long elliptical shape of the supporting member 20 and the discharging hole 15b of the inner top plate 15 are arranged at staggered positions from each other, thereby the discharged gas and the heated air are accumulated below the bottom surface of a heated item M for a long period of time.

Inventors

YAMAZAKI TOMOSABURO

YOSHIMURA MASAHIRO

KOBAYASHI KOHEI

Latest standardized assignees - inventors removed

TOKYO GAS

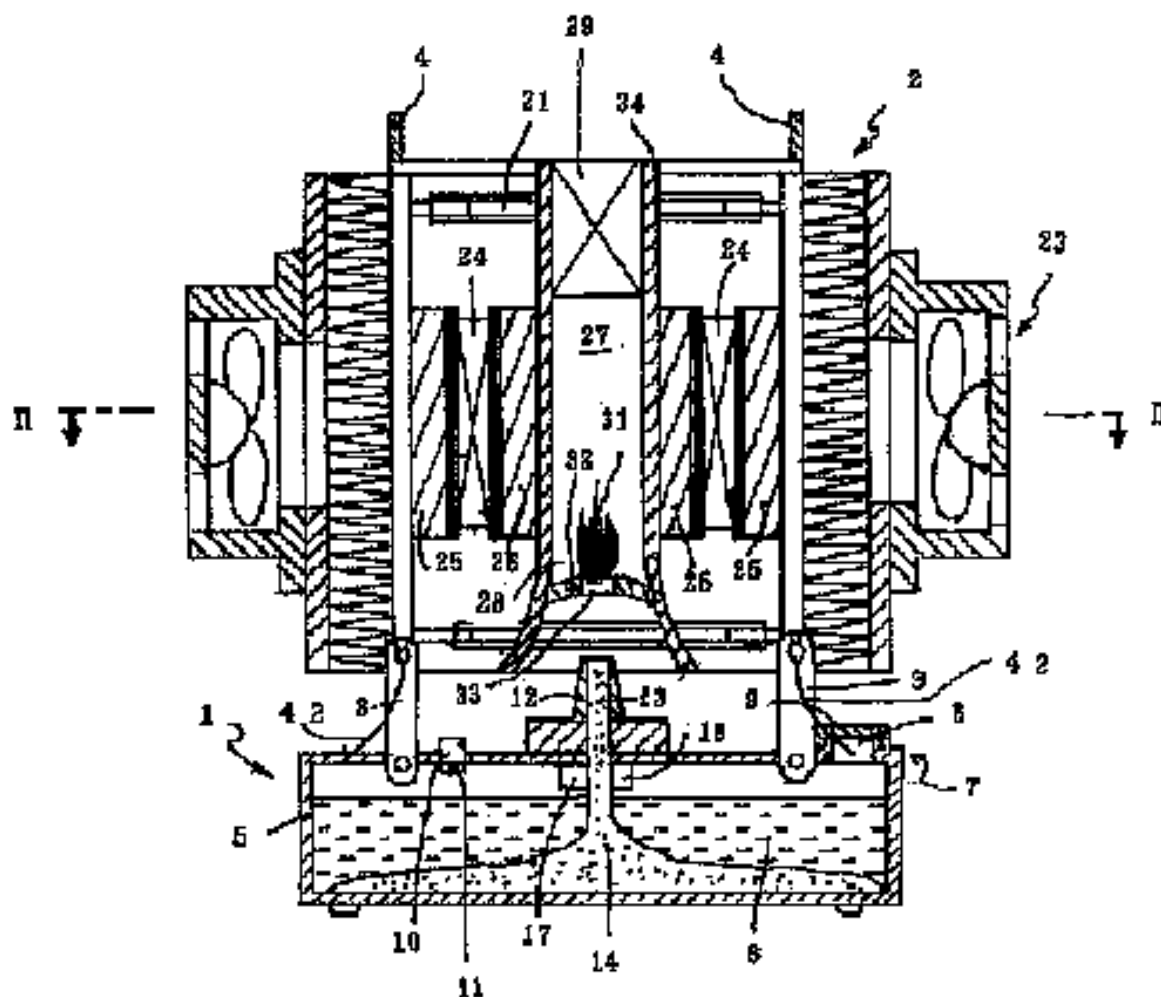
Family 72/100 - FAMPAT - ©Questel

Title

(JP10141668)

Alcohol stove including thermoelectric converter

Images



Publication data including kind & date

JP10141668	A	1998-05-29	JP10141668
JP3516225	B2	2004-04-05	JP3516225



Abstract

(JP3516225)

PROBLEM TO BE SOLVED: To obtain a portable alcohol stove serving as a power supply and as a heat source at need in the portable alcohol stove including a thermoelectric converter by mounting the thermoelectric converter including a heat collector, a heat dissipation apparatus, and a train of thermocouples on a holder. **SOLUTION:** When a fuel 6 is injected into a container 5 upon use, the fuel 6 is sent to an evaporation apparatus 13 where an evaporated fuel is formed. Thereupon, a pressure keeping apparatus 10 keeps pressure in the container 5 at a desired pressure. Then, mixed gas of air and gas

is formed, and is ignited. With combustion of the mixed gas heat is absorbed in a combustion/first heat absorption chamber 28, and a high temperature combustion products rise along a pipe structure 27 of a heat collector and is exhausted through a second heat absorption chamber 29, and in the course thereof heat is collected, and the heat is transmitted from the thermocouple train 24 after passage through a heat transfer apparatus 26 to a heat dissipation apparatus 23 and is dissipated. The thermocouple train 24 generates electromotive force proportional to the temperature difference, and supplies power to an external electric load.

Inventors

MISAWA KENGO

Latest standardized assignees - inventors removed

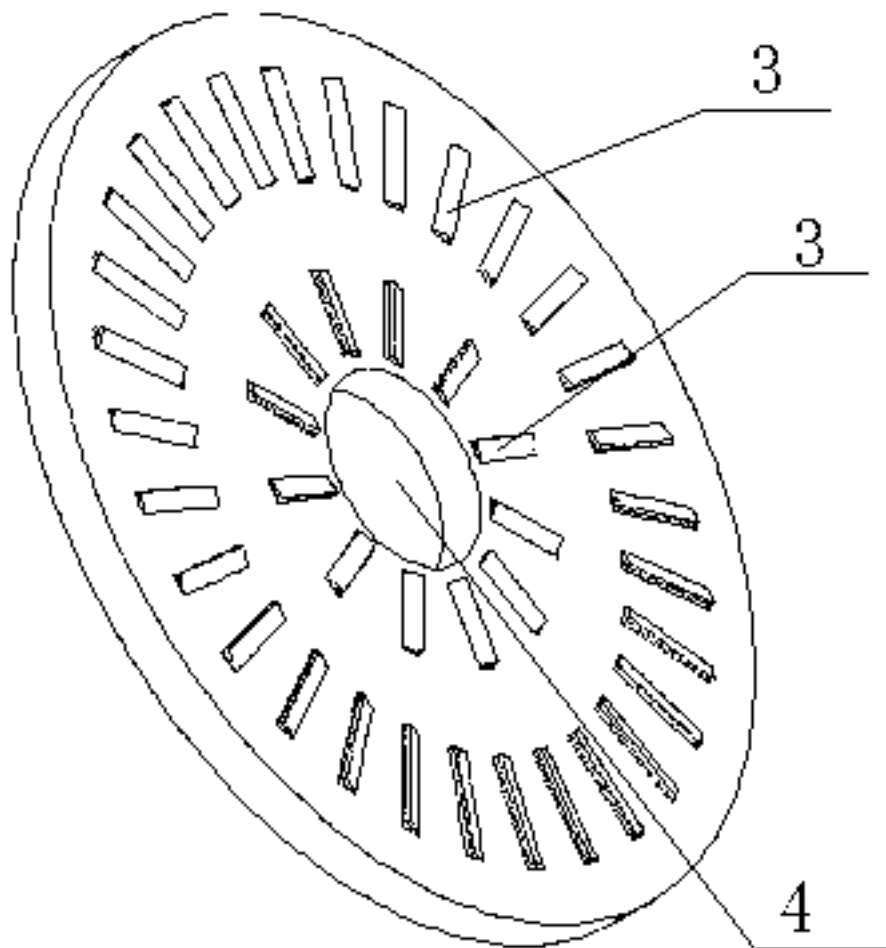
THERMO ELECTRIC DEIBEROTSUPUMENTO

Family 73/100 - FAMPAT - ©Questel

Title

(CN202675295U)

Whirlwind distributor of stove body of portable gas cooker

Images**Publication data including kind & date**[CN202675295](#)

U

2013-01-16

CN202675295U

**Abstract**

(CN202675295U)

The utility model discloses a whirlwind distributor of a stove body of a portable gas cooker. The center of the distributor is provided with a round hole. The distributor is provided with fan-shaped gas outlets. The distribution of the gas outlets forms an inner circular ring and an outer circular ring, and the gas outlets are arranged in opposite opening mode. According to the whirlwind distributor, due to the fact that the distribution of the gas outlets forms the inner circular ring and the outer circular ring, directions of flames can be adjusted manually, and the flames are enabled to be in a tornado-like state, due to the air rising principle, oxygen content can be increased at heating time to enable the flames to burn more sufficiently, the

tornado-like flames formed by adoption of ring-shaped air outlets enable heat to be more centralized so that heat loss is reduced, a high thermal power state can be maintained continuously to reduce heat energy loss, and a rotary heating process is formed at the bottom of a pan after the tornado-like flames are formed by adoption of the ring-shaped air outlets, and therefore the bottom of the pan is enabled to be evenly heated.

Inventors

DING HAIGUO

Latest standardized assignees - inventors removed

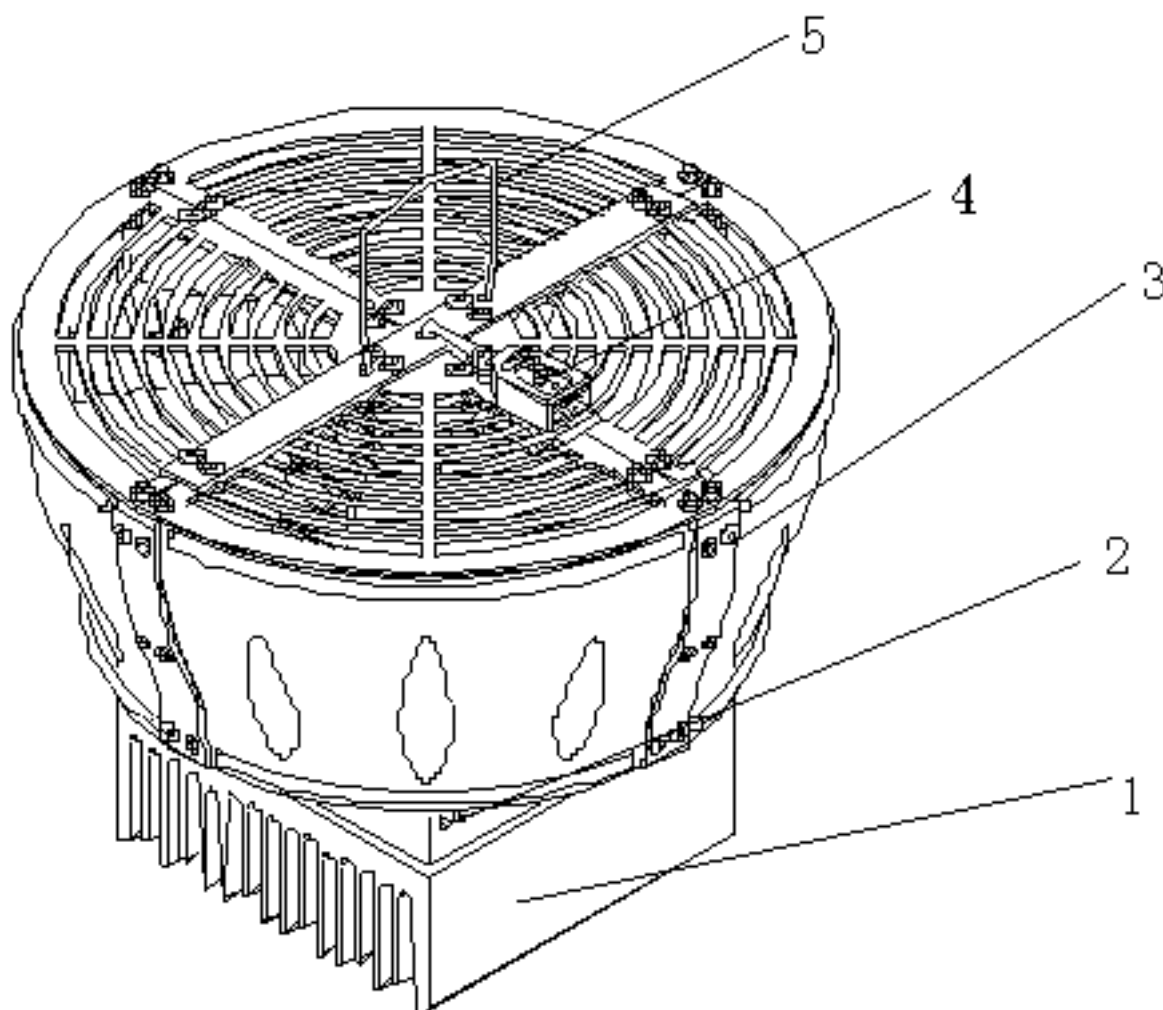
MAXSUN

Family 74/100 - FAMPAT - ©Questel

Title

(CN204404350U)

Stove heat dissipation fan with downward blowing function

Images**Publication data including kind & date**[CN204404350](#)

U

2015-06-17

CN204404350U

**Abstract**

(CN204404350U)

The utility model discloses a stove heat dissipation fan with the downward blowing function. The stove heat dissipation fan is characterized by comprising a heat conduction base, an electricity generating module and a rectifying device, wherein the electricity generating module is arranged between the heat conduction base and the rectifying device; the heat conduction base is in screw connection with the rectifying device; a blowing device is arranged in the rectifying device; according to the utility model, the blowing device in the rectifying device is used for blowing part of upward hot air downwards, upward cooling fins diffuse the downward hot air around, rectifying covers are adopted to rectify and gather the

hot air, and the hot air is discharged around from holes in the lower ends of the rectifying covers under the action of fan blades, so that a space area away from a heating installation realizes the heating effect; in addition, under the action of the blowing device, the part of upward hot air moves downwards and flows around from the holes in the bottoms of the rectifying covers, so that the heat source of the heating installation is fully utilized, the heat energy consumption is reduced, and the effects of energy conservation and emission reduction are realized.

Inventors

YUAN DONGYI

Latest standardized assignees - inventors removed

ARE LOVE WEST ENERGY CONSERVATION & ENVIRONMENTAL PROTECTION ENGINEERING

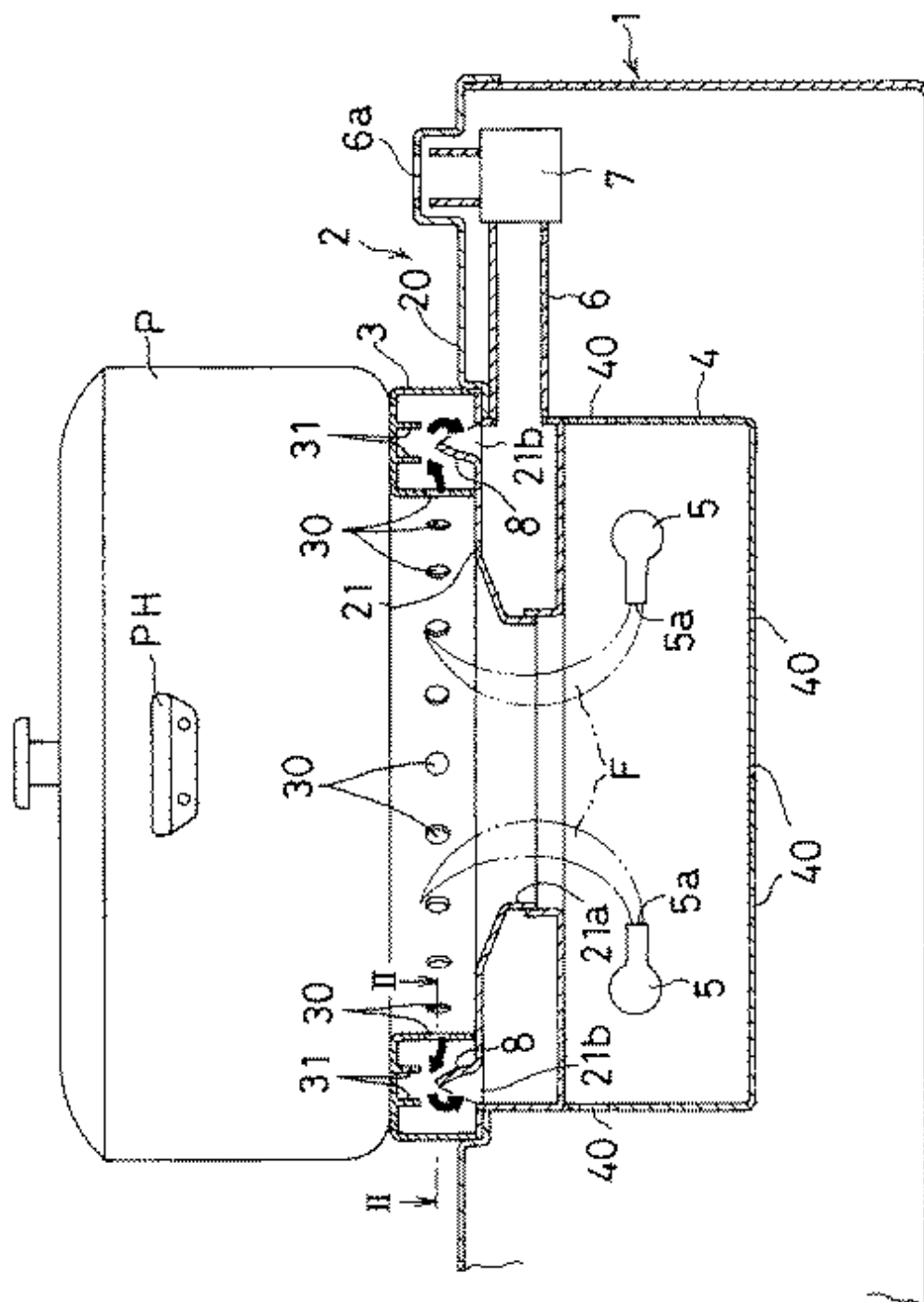
Family 75/100 - FAMPAT - ©Questel

Title

(JP09250753)

Portable cooking stove of flame escape preventive type

Images



Publication data including kind & date

JP09250753	A	1997-09-22	JP09250753
JP3712463	B2	2005-08-26	JP3712463



Abstract

(JP3712463)

PROBLEM TO BE SOLVED: To improve the heating efficiency by providing a guide member to flow the hot air sucked into a space between double walls of a trivet through a vent hole toward an inner surface of an upper wall part of the trivet to promote the heating by the heat transfer from the trivet to a pan bottom. **SOLUTION:** An inner top plate 21 is of an upper and lower double wall structure, and a plurality of communication holes 21b to communicate a space between inner and outer double walls of a trivet 3 with a space between the double walls of the inner top plate 21 are formed on an upper wall

of the inner top plate 21 with a clearance in the circumferential direction. Hole edge parts on the inner side in the radial direction of the communication holes 21b are cut and erected upward, and a guide member 8 to flow the hot air sucked by the hole edge parts through vent holes 30 toward an inner surface of an upper wall part of the trivet 3 is formed. The heating by the heat transfer from the trivet 3 to the bottom of a pan P is promoted, and the heating efficiency can be improved.

Inventors

YAMAZAKI TOMOSABURO

YOSHIMURA MASAHIRO

KOBAYASHI KOHEI

ARAMATSU MASAO

Latest standardized assignees - inventors removed

TOKYO GAS

RINNAI

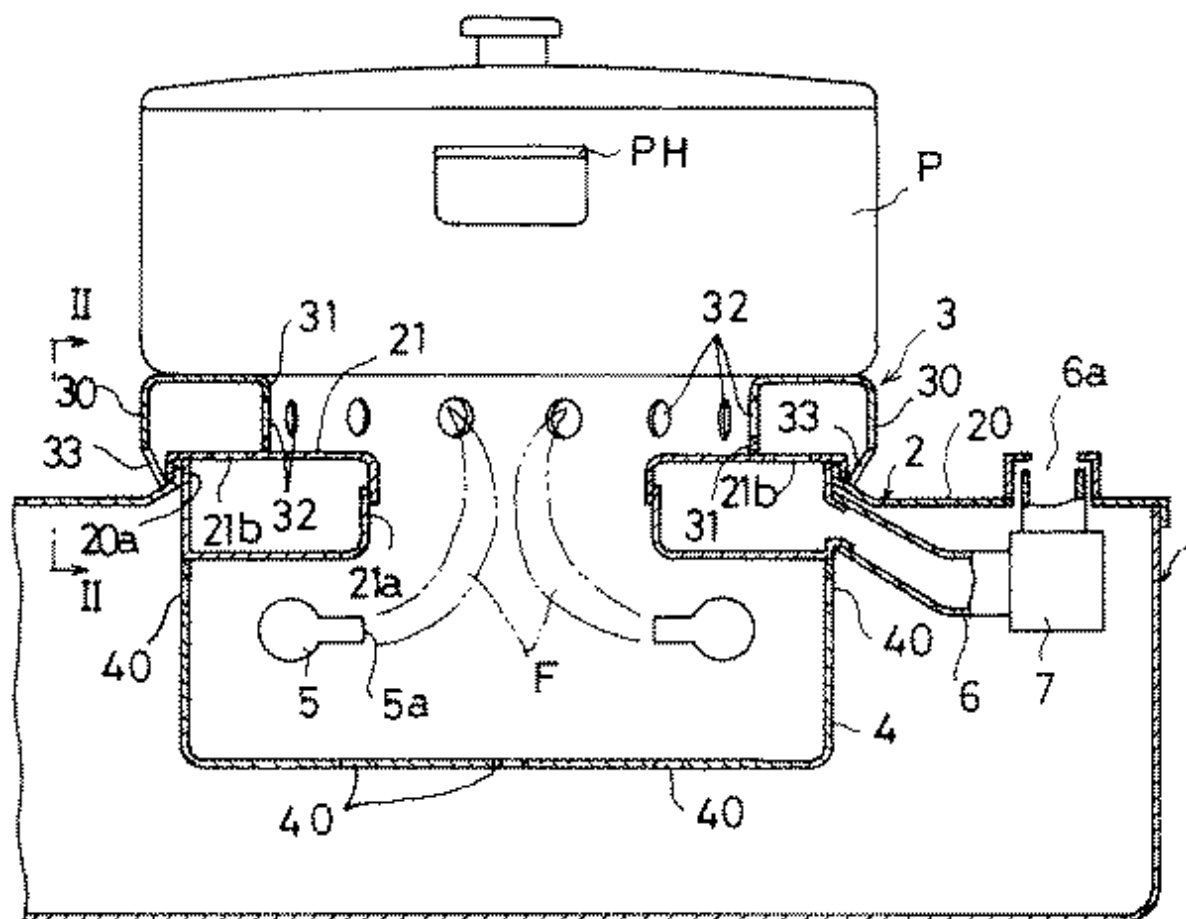
Family 76/100 - FAMPAT - ©Questel

Title

(JP09250752)

Portable cooking stove of flame escape preventive type

Images



Publication data including kind & date

JP09250752	A	1997-09-22	JP09250752
JP3751356	B2	2005-12-16	JP3751356



Abstract

(JP3751356)

PROBLEM TO BE SOLVED: To suppress heat transfer from a trivet to a top plate by forming a plurality of projections to bring a lower end of an outer circumferential wall of the trivet into contact with the top plate at a plurality of parts in the

circumferential direction on either of the lower end of the outer circumferential wall of the trivet or the top plate. SOLUTION: An inner circumferential wall 31 of a trivet 3 is loaded on an upper surface of an inner top plate 21, and an outer circumferential wall 30 of the trivet 3 is loaded on an upper surface of a circumferential edge part of an opening 20a of an outer top plate 20. A plurality of claw-shaped projections are formed on the lower end of the outer circumferential wall 30 of the trivet 3 with a clearance in the circumferential direction, and the claw-shaped projections 33 are abutted on the upper surface of the circumferential edge part of the opening 20a of the outer top plate 20. The contact area of the outer circumferential wall 30 of the trivet 3 with the outer top plate 20 is greatly reduced compared with the contact area of the arrangement in which the lower end of the outer circumferential wall 30 is brought into contact with the outer top plate 20 over the whole circumference, and the heat transfer from the trivet 3 heated by the hot air to the outer top plate 20 through the outer circumferential wall 30 can be suppressed.

Inventors

ISHIGAKI YOICHIRO

YAMAZAKI TOMOSABURO

YOSHIMURA MASAHIRO

KOBAYASHI KOHEI

ARAMATSU MASAO

Latest standardized assignees - inventors removed

TOKYO GAS

RINNAI

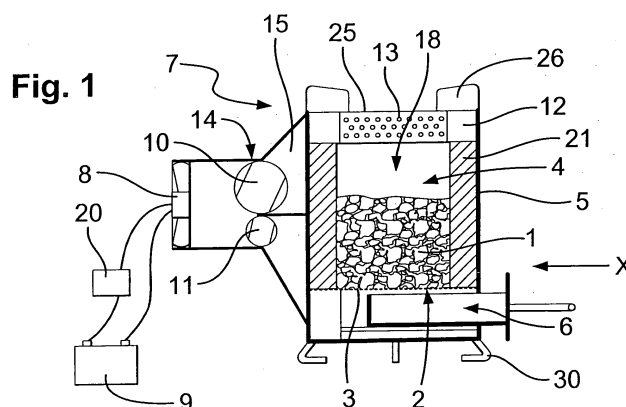
Family 77/100 - FAMPAT - ©Questel

Title

(EP2318766)

Biomass stove apparatus and method for its use

Images



Publication data including kind & date

IN1763/CHE/2008	A	2010-01-29	IN2008CH01763
WO2010029567	A2	2010-03-18	WO201029567
WO2010029567	A3	2010-08-12	WO201029567
AP201105595	A0	2011-02-28	AP201105595
EP2318766	A2	2011-05-11	EP2318766
AP3121	A	2015-02-28	AP---3121



Abstract

(EP2318766)

A biomass stove comprising: an outer container; an inner combustion chamber for fuel being housed inside said outer container; and a fan for supplying air to the stove as a primary air supply to the bottom of the combustion chamber and a secondary air supply at or adjacent to the top of the combustion chamber; in which the combustion chamber comprises corrosion resistant and high temperature resistant, ceramic material; and the stove further comprises : a regulator for

regulating the flow primary air supply and secondary air supply; and a grate at the bottom of the combustion chamber, for supporting fuel in the combustion chamber and being adjustable in height with respect to the bottom of the combustion chamber to accommodate fuel in the combustion chamber from the grate and up to the top or to near the top of the combustion chamber. The present invention also provides a method for operating such a biomass stove.

Inventors

MUKUNDA HANASOGE SURYANARAYANA AVADHANY

DASAPPA SRINIVASIAH

PAUL PALAKAT JOSEPH

RAJAN NAGAMANGALA KRISHNAIYENGAR SRIRANGA

Latest standardized assignees - inventors removed

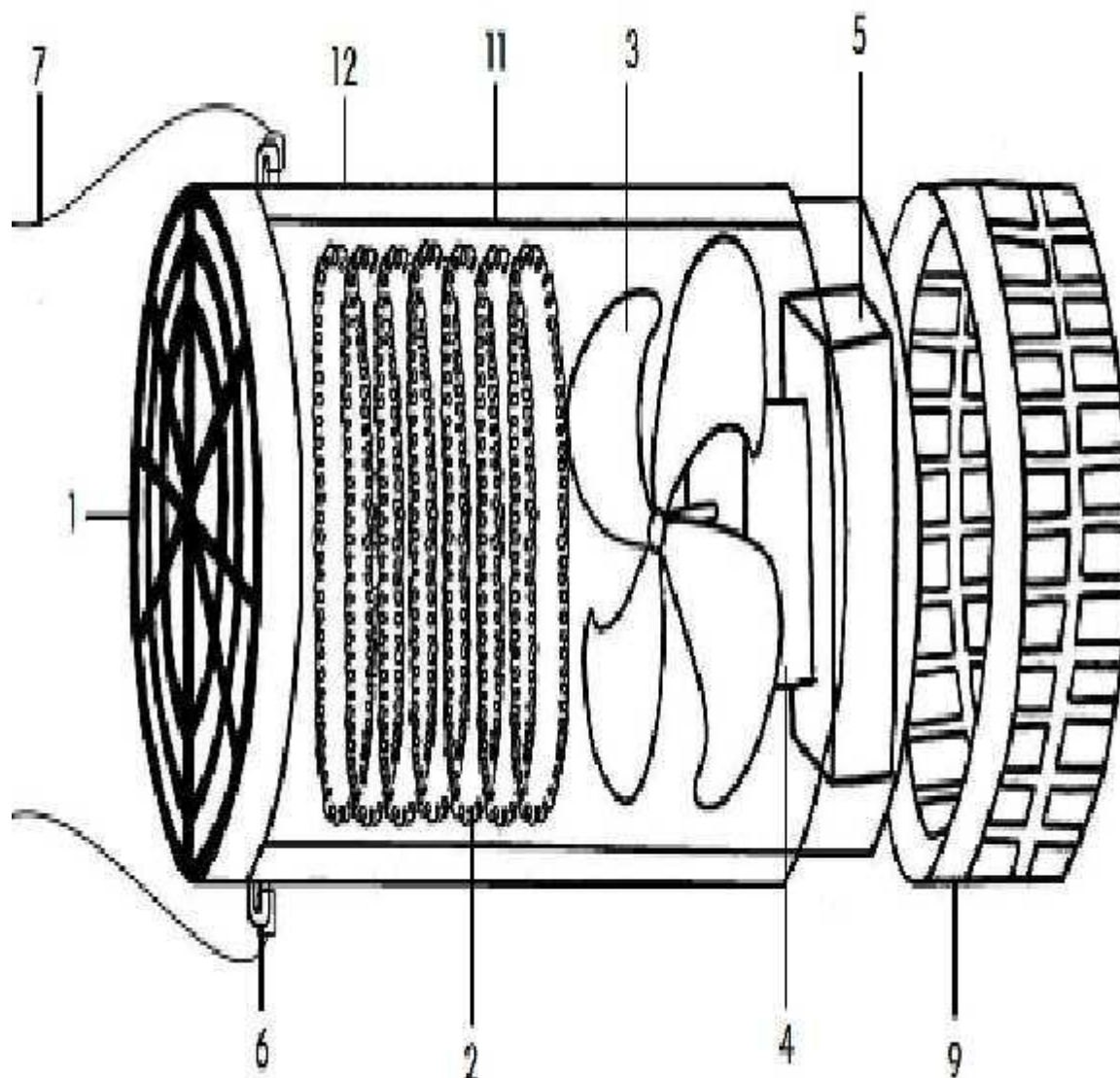
FIRST ENERGY PRIVATE

Family 78/100 - FAMPAT - ©Questel

Title

(KR20120121318)

Portable fan which can arrange temperature and stick home fan

Images**Publication data including kind & date**[KR20120121318](#)

A

2012-11-05

KR20120121318

**Abstract**

KR20130064089	A	2013-06-17	KR20130064089				
KR20130064763	A	2013-06-18	KR20130064763				
KR20130065676	A	2013-06-19	KR20130065676				
KR20130065675	A	2013-06-19	KR20130065675				
KR20130003688	U	2013-06-20	KR20130003688U				
KR20130067288	A	2013-06-21	KR20130067288				
KR20130067482	A	2013-06-24	KR20130067482				
KR20130069706	A	2013-06-26	KR20130069706				
KR20130069690	A	2013-06-26	KR20130069690				
KR20130072226	A	2013-07-01	KR20130072226				
KR20130073026	A	2013-07-02	KR20130073026				
KR20130004030	U	2013-07-03	KR20130004030U				
KR20130073927	A	2013-07-03	KR20130073927				
KR20130004120	U	2013-07-05	KR20130004120U				
KR20130004173	U	2013-07-08	KR20130004173U				
KR20130077850	A	2013-07-09	KR20130077850				
KR20130079463	A	2013-07-10	KR20130079463				
KR20130080026	A	2013-07-11	KR20130080026				
KR20130080829	A	2013-07-15	KR20130080829				
KR20130081692	A	2013-07-17	KR20130081692				
KR20130084647	A	2013-07-25	KR20130084647				
KR200469495	Y1	2013-10-17	KR200469495U				
WO2013181779	A1	2013-12-12	WO2013181779				
AU2012318262	A1	2013-12-19	AU2012318262				
KR20140003402	A	2014-01-09	KR20140003402				
KR101405538	B1	2014-06-16	KR101405538				
KR101412996	B1	2014-06-27	KR101412996				
KR101417800	B1	2014-07-14	KR101417800				
KR101424964	B1	2014-08-05	KR101424964				
KR101436738	B1	2014-09-02	KR101436738				
KR101443520	B1	2014-11-03	KR101443520				
US20140361477	A1	2014-12-11	US20140361477				
KR20150004243	A	2015-01-12	KR20150004243				
AU2012318262	B2	2015-01-15	AU2012318262				
KR101506387	B1	2015-03-27	KR101506387				
US9227283	B2	2016-01-05	US9227283				
KR101589032	B1	2016-02-01	KR101589032				
NZ609173	A	2016-11-25	NZ-609173				
MY167017	A	2018-07-31	MY-167017				

Abstract

(WO2013181779)

An end face clamping tool for a workpiece, in particular, an end face clamping tool for a box type workpiece comprises a bottom plate (2) and an upper template (1). The upper template (1) and the bottom plate (2) are supported through upright posts (3). The upper template (1) is provided with a die hole (4); at least two inner bumps (5) are formed on the inner edge of the die hole (4); step through holes (6) which are larger at the upper ends and smaller at the lower ends are formed on the inner bumps (5). The lower side of the bottom plate (2) is provided with a tightening cylinder (7) corresponding to the die hole (4); a connection block (9) is connected to a piston rod (8) of the tightening cylinder (7); the top plate (10) is in swinging connection with the connection block (9); the upper surface of the top plate (10) is provided with three raised

heads (11); the three raised heads (11) are arranged triangularly. The upper template (1) is provided with a revolving shaft (12) corresponding to the side of each die hole (4); the revolving shaft (12) passes through the upper template (1) from top to bottom; the upper end of the revolving shaft (12) is provided with a hand wheel (13) which can drive the revolving shaft (12) to rotate; a compression spring (14) is sleeved at a position on the revolving shaft (12) which corresponds to a position between the hand wheel (13) and the upper surface of the upper template (1); the lower end of the revolving shaft (12) is fixed together with one end of a transverse die-pin (19); and the transverse die-pin (19) is linked with the revolving shaft (12).

Inventors

ZHU YANZHAO

Latest standardized assignees - inventors removed

LINUX MOTOR

Family 80/100 - FAMPAT - ©Questel

Title

(FR-946062)

Portable stove and fixed to air introduced by electric fan

Publication data including kind & date[FR946062](#) A 1949-05-23 FR-946062**Inventors**

BINET MARCEL-JOSEPH

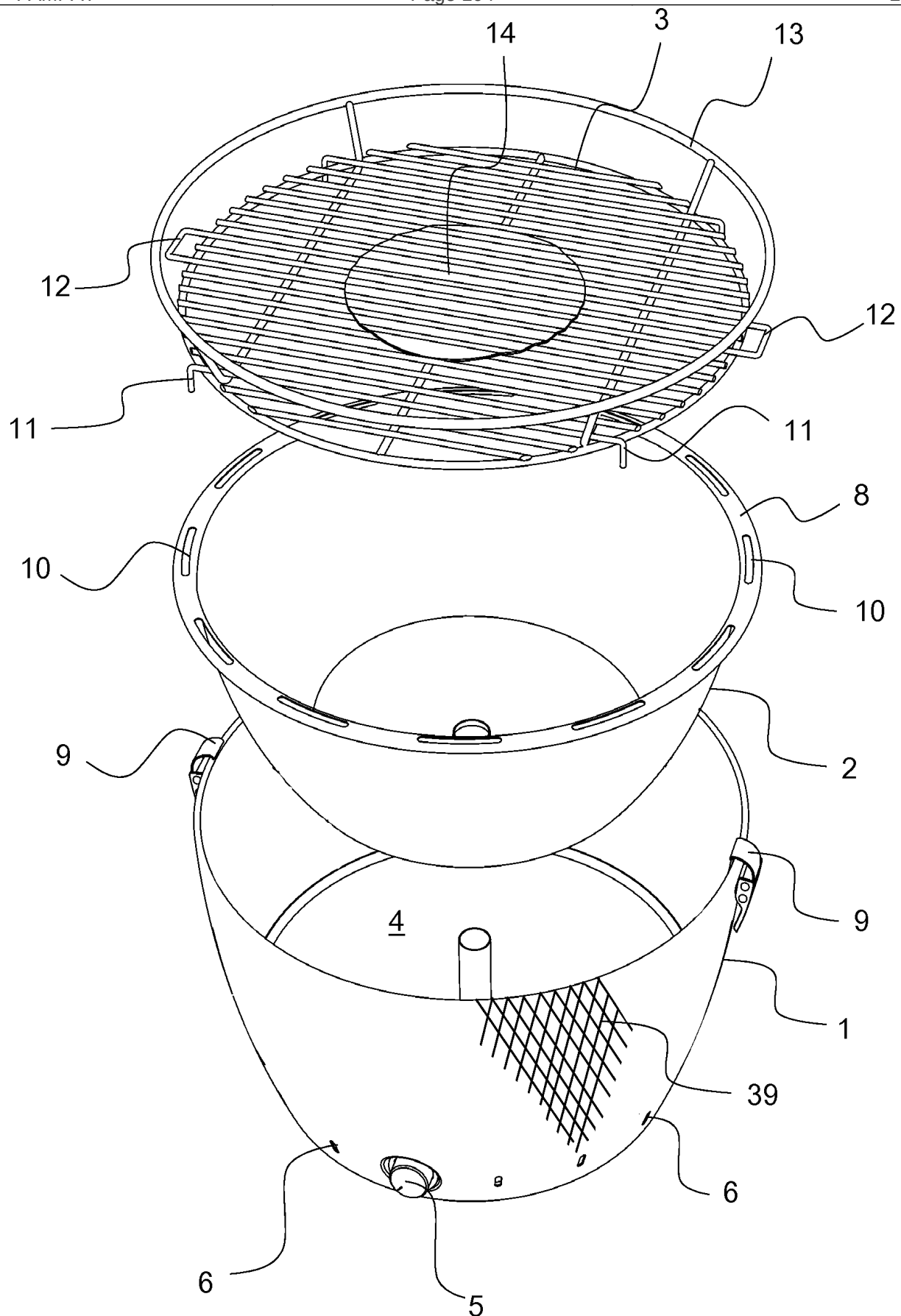
Family 81/100 - FAMPAT - ©Questel

Title

(DE202014104173)

Portable cooking, charcoal barbecue stove chamber and

Images



Publication data including kind & date

DE202014104173

U1 2014-11-27

DE202014104173



Abstract

(DE202014104173)

Portable cooker, comprising a housing (1) within the housing (1) remote from the housing and (1) a tray (3), all of which are on the tray (3), charcoal, cylindrical chamber (20) cover (24) disposed above the charcoal grate and the air supply device

chamber (20), a tray (3) from the charcoal chamber (20) below the airflow is generated, wherein, the housing (1) chamber (20) and the char in the area of a perforated screen or mesh (39) is performed.

Latest standardized assignees - inventors removed

LOTUSGRILL

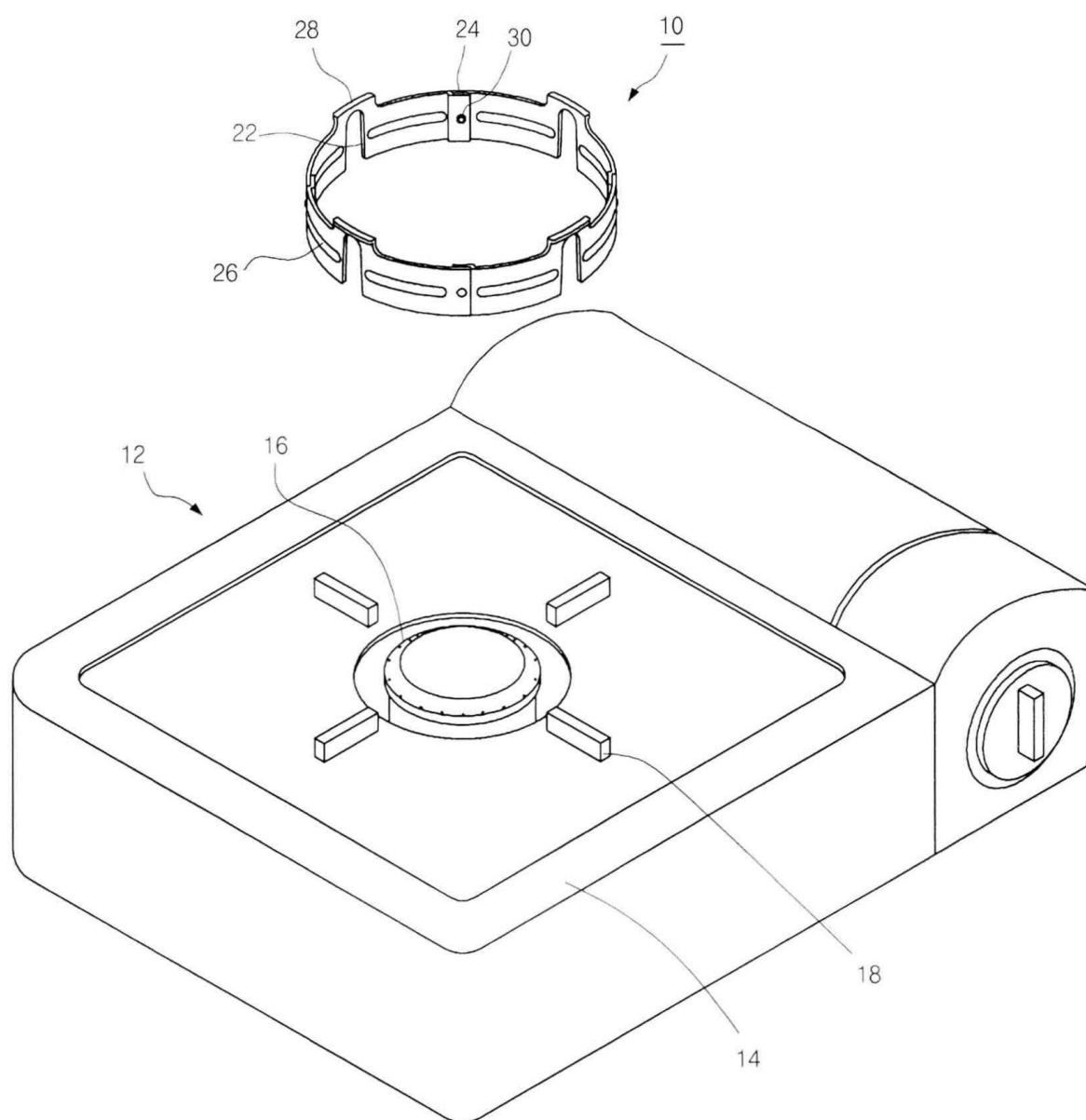
Family 82/100 - FAMPAT - ©Questel

Title

(KR20130004871U)

A windbreak for portable gas range

Images



Publication data including kind & date

[KR20130004871](#) U 2013-08-14 KR20130004871U



Abstract

(KR20130004871U)

In the present invention relates to home or outdoors can be cooked foods in a portable stove burner frequently used around the container rests (Burner) (namely: trivet) the pedestal so as to be fitted in its installed state remains very stable while at the same time so that the wind introduced into the burner unit so that it can be effectively blocked while, to collapse during storage and carry on the other hand, to stably support the cooking vessel so that the convenience of use can be greatly improved by the new portable stove so that the windshield device is disclosed. This invention relates to a portable stove

burner unit constituting (concentric) concentric with the center of the circumference of the form or 120° 180° 90° won by an arcuate or partitioned (circular punishment) is made, the burner unit mounted to the outer perimeter of the container at a height greater than the height of the pedestal are composed, at the center of a bottom of the container which is fitted into the mounting groove may be formed in the pedestal while, one end portion toward an inwardly or outwardly bent""type engaging portion is formed with a plurality of wind piece; motorcycle windshield is applied to any one of the respective one end of an engaging piece formed at the opposite end of the piece adjacent to the windshield in an overlapped state is releasably fastening the fastening member in a fixed or collapsible and may be configured to include.

Inventors

KIM, JONG SOO

Family 83/100 - FAMPAT - ©Questel

Title

(JP05025209U)

Receiving device for a portable cooking stove Pan

Publication data including kind & date[JP05025209](#)

U

1993-04-02

JP05025209U

**Abstract**

(JP05025209U)

[Object] can be used to pan of any size, and moreover the pot may be seated. PURPOSE: The inside of the receiving device receives a pan having a pan window R, scaling the size of the window R to freely.

Inventors

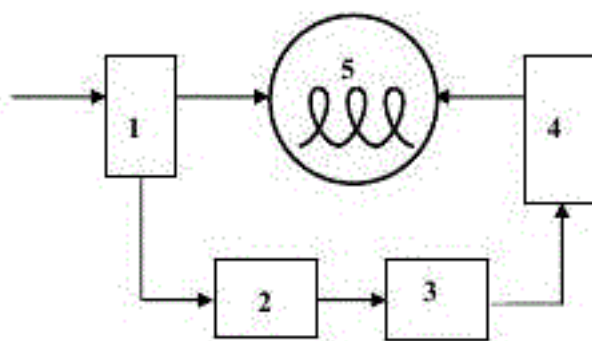
MIYAMOTO HATSUO

Family 84/100 - FAMPAT - ©Questel

Title

(CN205957253U)

Electric power storage formula electromagnetism stove

Images**Publication data including kind & date**[CN205957253](#)

U

2017-02-15

CN205957253U

**Abstract**

(CN205957253U)

The utility model discloses an electric power storage formula electromagnetism stove aims at providing a multiple input voltage and charges, and usable commercial power is avoided the peak hour and is charged, and usable wind -powered electricity generation, photovoltaic, car etc. Charge, portable movable, is particularly suitable for the electric power storage formula electromagnetism stove that open -air examination, emergency rescue and disaster relief, the open -air training of army, tourism etc. Were used. Its technical essential is that it mainly comprises the external tapping that charges, charge controller, battery, the adapter that discharges, electromagnetism stove etc.. The utility model discloses be fit for the manufacturing of electromagnetism stove.

Inventors

FAN GUANG

Latest standardized assignees - inventors removed

GUANGZHOU MEIKONG ELECTRONIC TECHNOLOGY

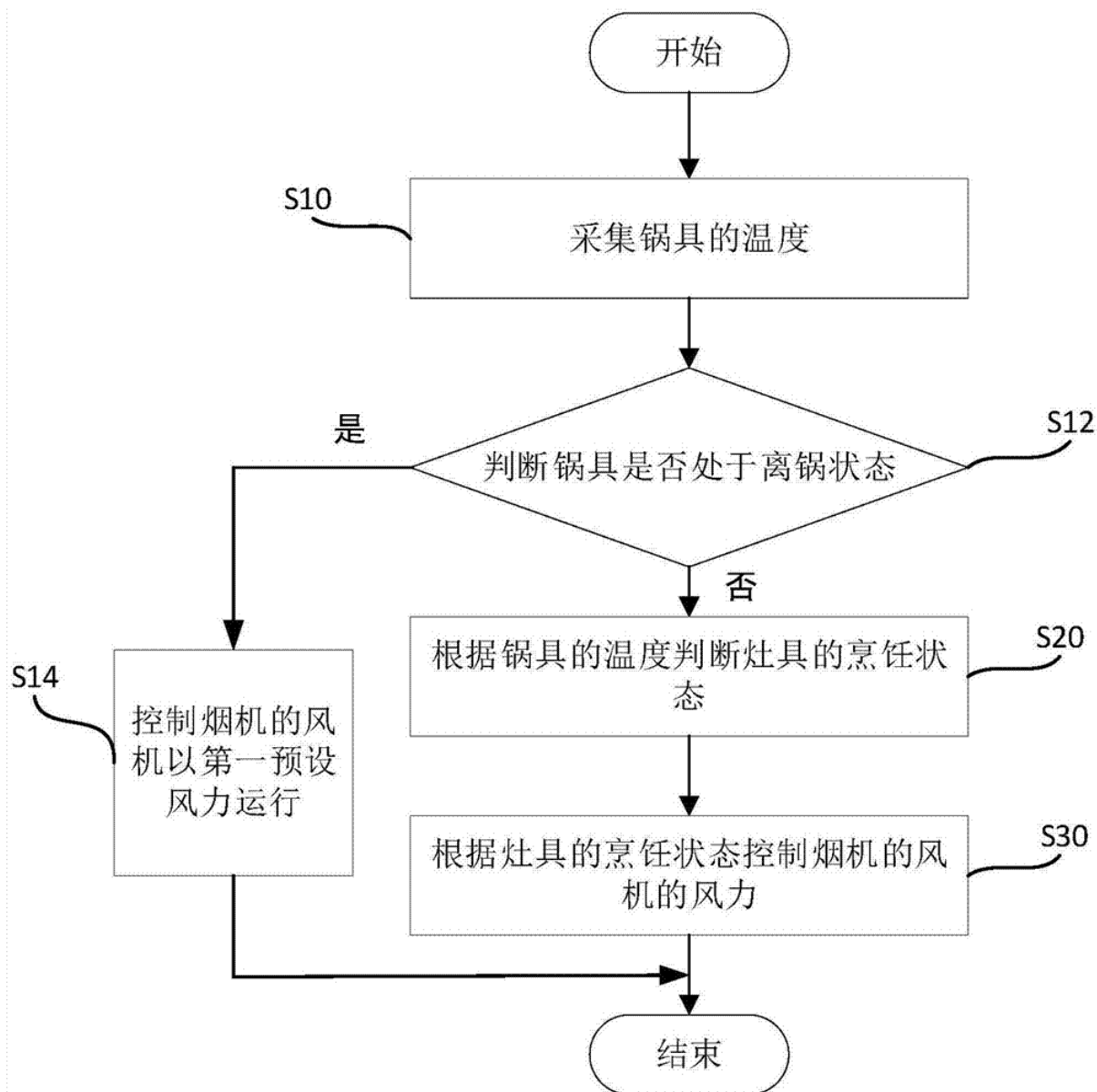
Family 85/100 - FAMPAT - ©Questel

Title

(CN109237529)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images



Publication data including kind & date

CN109237529

A

2019-01-18

CN109237529



Abstract

(CN109237529)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied a kitchen ventilator and a stove. The kitchen ventilator and stove linkage control method comprises the following steps: collecting the temperature of cookware; judging whether the cookware is in a leaving state or not, if so, controlling a fan of the kitchen ventilator to operate at first preset wind power; if not, judging the cooking state of the stove according to the temperature of the cookware; and controlling the wind power of the fan of the ventilator according to the cooking state of the stove. According to the kitchen ventilator and stove linkage control method, by controlling the wind power of the fan of the kitchen ventilator according to the leaving state

of the cookware, judging the cooking state of the cookware according the current temperature of the cookware and controlling the wind power of the fan of the kitchen ventilator according to the cooking state of the cookware, proper wind power of the fan of the kitchen ventilator can be adjusted automatically to absorb lampblack generated in the cooking process, so that a role of saving electric energy is played, and the lampblack is absorbed more thoroughly.

Inventors

HAN JIE

DAI XIANGLU

DU ZHANGHE

SHI DIJUN

JI JUNSHENG

Latest standardized assignees - inventors removed

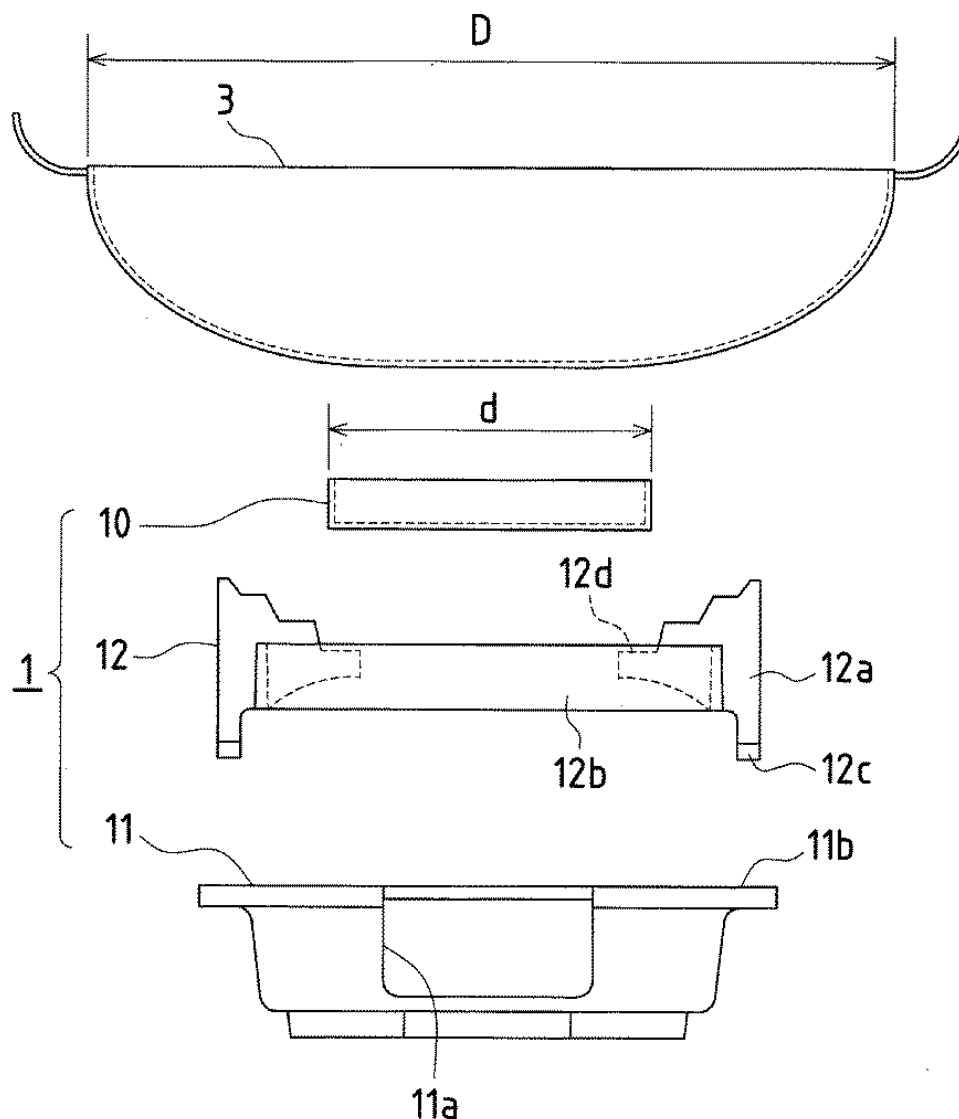
FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

Family 86/100 - FAMPAT - ©Questel

Title

(JP2009041884)

Heating warmer for portable fuel

Images

Publication data including kind & date

CN101361636	A	2009-02-11	CN101361636
JP2009041884	A	2009-02-26	JP2009041884
JP5038056	B2	2012-07-13	JP5038056

**Abstract**

(JP5038056)

PROBLEM TO BE SOLVED: To provide a heating warmer for portable fuel, capable of keeping even cooked ingredients for one person warm and of serving as a normal small cooking stove as well.

SOLUTION: The heating warmer 1 for portable fuel comprises a stove 11 formed into a bottomed and covered shape having a placing surface for a portable fuel 2 and a trivet 12 disposed on top of the stove 11 and capable of placing a pan 3 thereabove. A soaking member 10 in a bottomed cylindrical shape is removably disposed at a stepped portion 12d at an inward end of the trivet 12, intervening between the portable fuel and the pan 3, so that the cooked ingredients placed in the pan 3 can be kept warm. The trivet 12 is provided with an insulating wall 12b. The soaking member is of a material selected among iron, aluminum, stainless steel, graphite, and copper. A ratio d/D of the diameter "d" of the soaking member 10 to the diameter "D" of the pan 3 to be used is 0.15 to 1.0.

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Inventors

Yoji Ito

Latest standardized assignees - inventors removed

NIITAKA

Family 87/100 - FAMPAT - ©Questel

Title

(JP11140471)

Charcoal packed in cup

Publication data including kind & date

JPH11140471	A	1999-05-25	JP11140471
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**Abstract**

(JP11140471)

PROBLEM TO BE SOLVED: To obtain a charcoal packed in a cup, separately packed in the cup by the amount of once use. SOLUTION: This charcoal packed in a cup is obtained by packing the charcoal 1 obtained by using a raw material of conifer in a cup 5 having an opening with a diameter nearly same as or a little smaller than that of a portable stove 2, and a protrusion 20 protruded from the inner surface of the bottom of the cup 5 by the amount of once use. The charcoal 1 can be turned into the portable stove 2 by only reversing the cup 5 over the portable stove 2, and the charcoal, a fragment of the charcoal, a powder of the charcoal or the like is not scattered in the exterior of the portable stove 2 at the time of the transfer of the charcoal and thereby does not smudge the interior of a room, clothes, a hand or the like. The catching fire is facilitated by setting an igniting material at a depression part because the depression is formed at the upper center part of the charcoal in the portable stove 2.

Inventors

Saburo Nakamura

Reiko Nakamura

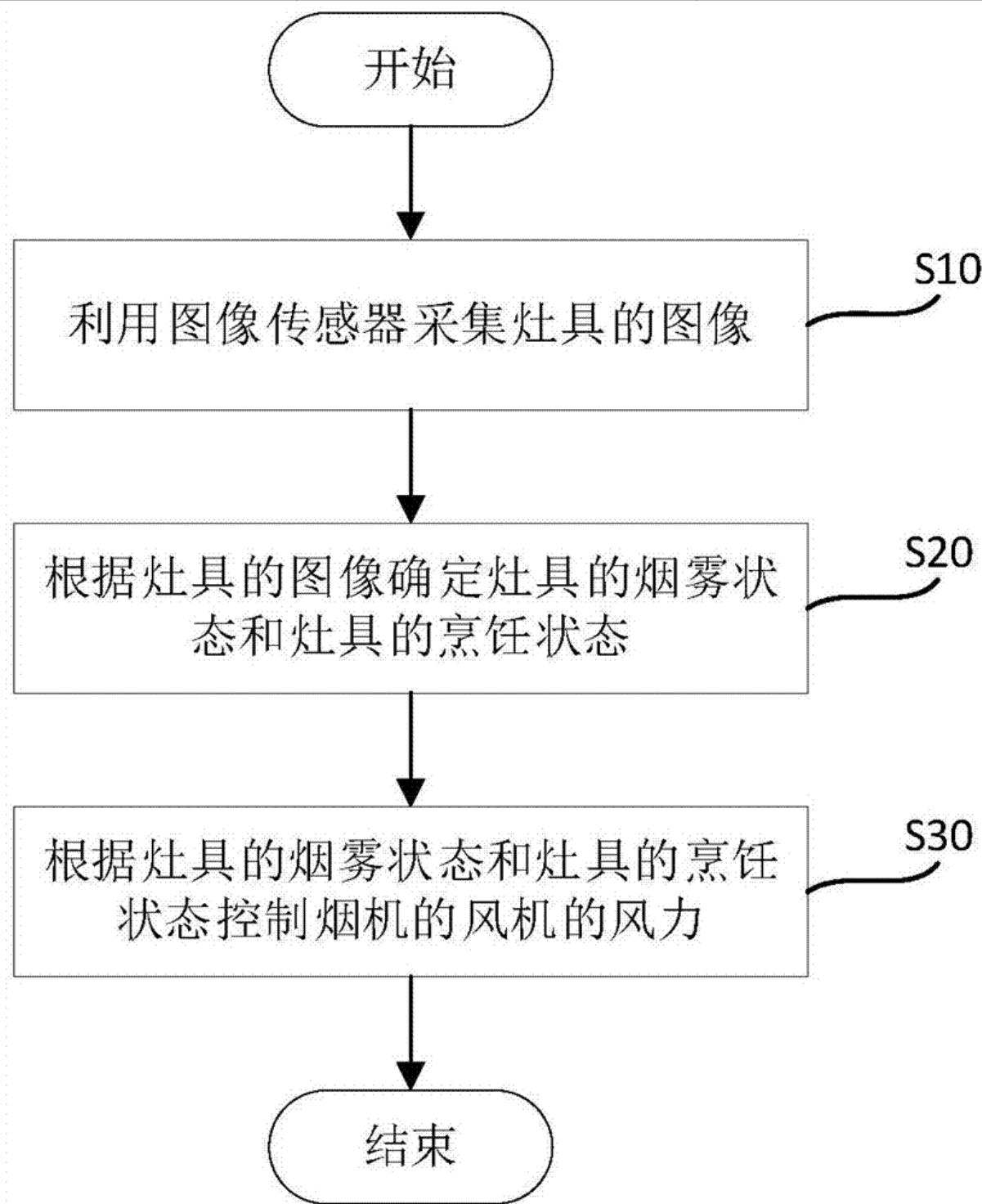
Family 88/100 - FAMPAT - ©Questel

Title

(CN109237539)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images

**Publication data including kind & date**

CN109237539

A 2019-01-18 CN109237539

**Abstract**

(CN109237539)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied to a kitchen ventilator and a stove. The kitchen ventilator and stove linkage control method comprises the following steps: collecting an image of a stove by means of an image sensor; determining the smog state of the stove and the cooking state of the stove according to the image of the stove; and controlling wind power of a fan of the kitchen ventilator according to the smog state of the stove and the cooking state of the stove. According to the kitchen ventilator and stove linkage control method, by determining the smog state of the stove and the cooking state of the stove according to the image of the stove collected by the image sensor and then controlling the wind power of the fan of the kitchen ventilator according to the smog state of the stove and the cooking state of the stove, proper wind power of the fan of the kitchen ventilator can be adjusted automatically to absorb lampblack generated in the cooking process, so that a role of saving electric energy is played, and the lampblack is absorbed more

thoroughly.

Inventors

HAN JIE

DU ZHANGHE

DAI XIANGLU

JI JUNSHENG

Latest standardized assignees - inventors removed

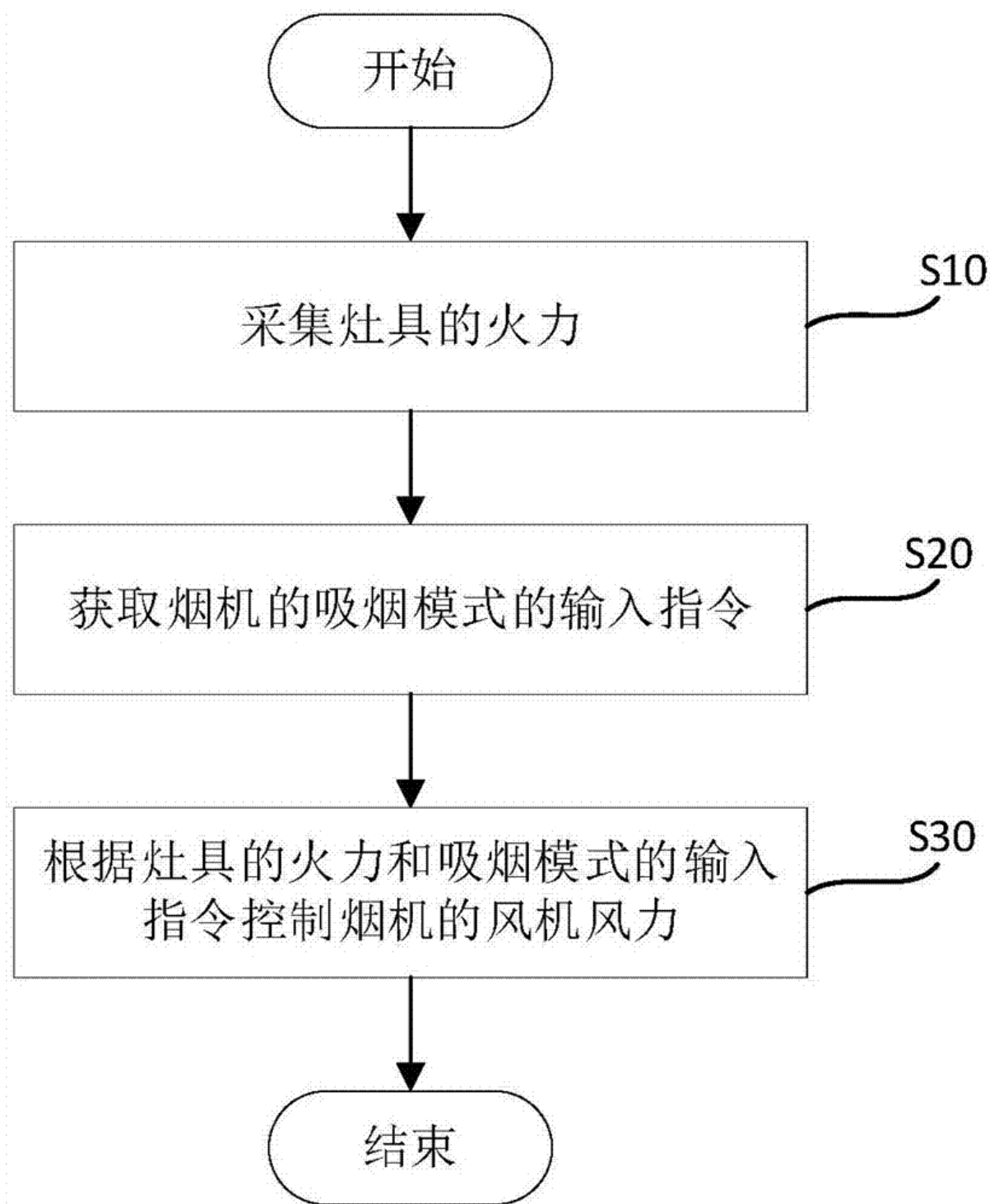
FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

Family 89/100 - FAMPAT - ©Questel

Title

(CN109237535)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images

Publication data including kind & date

CN109237535

A

2019-01-18

CN109237535

**Abstract**

(CN109237535)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied to a kitchen ventilator and a stove. The kitchen ventilator and stove linkage control method comprises the following steps: collecting heat power of a stove; acquiring an input command of a smoke suction mode of the kitchen ventilator; and controlling the wind power of the fan of the kitchen ventilator according to the heat power of the stove and the input command of the smoke suction mode. According to the kitchen ventilator and stove linkage control method, by controlling the wind power of the fan of the kitchen ventilator according to the heat power of the cookware and the input command of the smoke absorbing mode, proper wind power of the fan of the kitchen ventilator can be adjusted automatically to absorb lampblack generated in the cooking process, and meanwhile, the diversified demands of a user can be met, so that the user experience is good.

Inventors

HAN JIE

DU ZHANGHE

DAI XIANGLU

JI JUNSHENG

Latest standardized assignees - inventors removed

FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

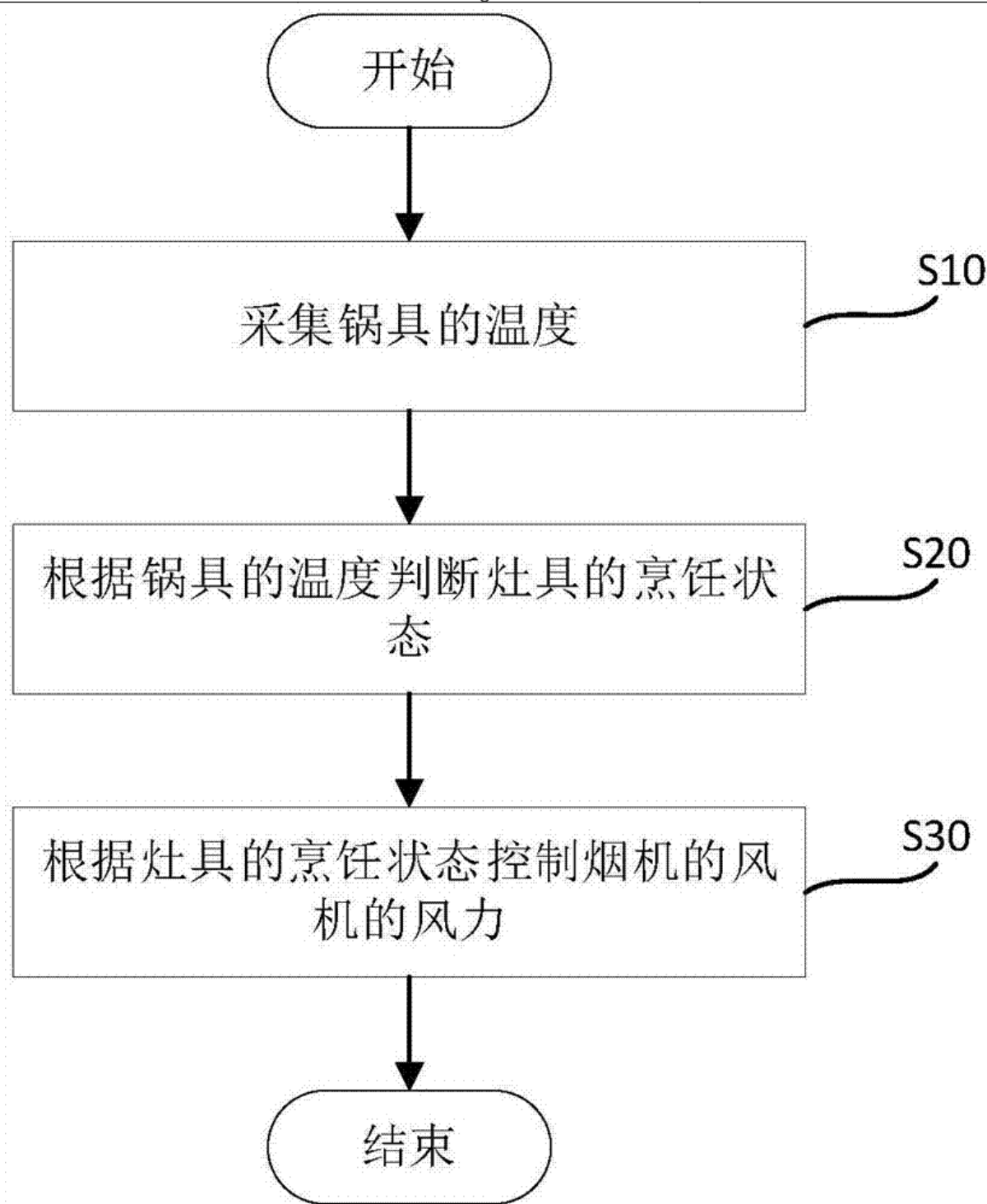
Family 90/100 - FAMPAT - ©Questel

Title

(CN109237547)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images

**Publication data including kind & date**

CN109237547

A 2019-01-18 CN109237547

**Abstract**

(CN109237547)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied to a kitchen ventilator and a stove. The kitchen ventilator and stove linkage control method comprises the following steps: collecting the temperature of cookware; judging the cooking state of a stove according to the temperature of the cookware; and controlling wind power of a fan of the kitchen ventilator according to the cooking state of the stove. According to the kitchen ventilator and stove linkage control method, by judging the cooking state of the cookware according to the current temperature of the cookware and controlling the wind power of the fan of the kitchen ventilator according to the cooking state of the cookware, proper wind power of the kitchen ventilator can be adjusted automatically to absorb lampblack generated in the cooking process, so that a role of saving electric energy is played, and the lampblack is absorbed more thoroughly.

Inventors

HAN JIE

DU ZHANGHE

DAI XIANGLU

JI JUNSHENG

Latest standardized assignees - inventors removed

FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

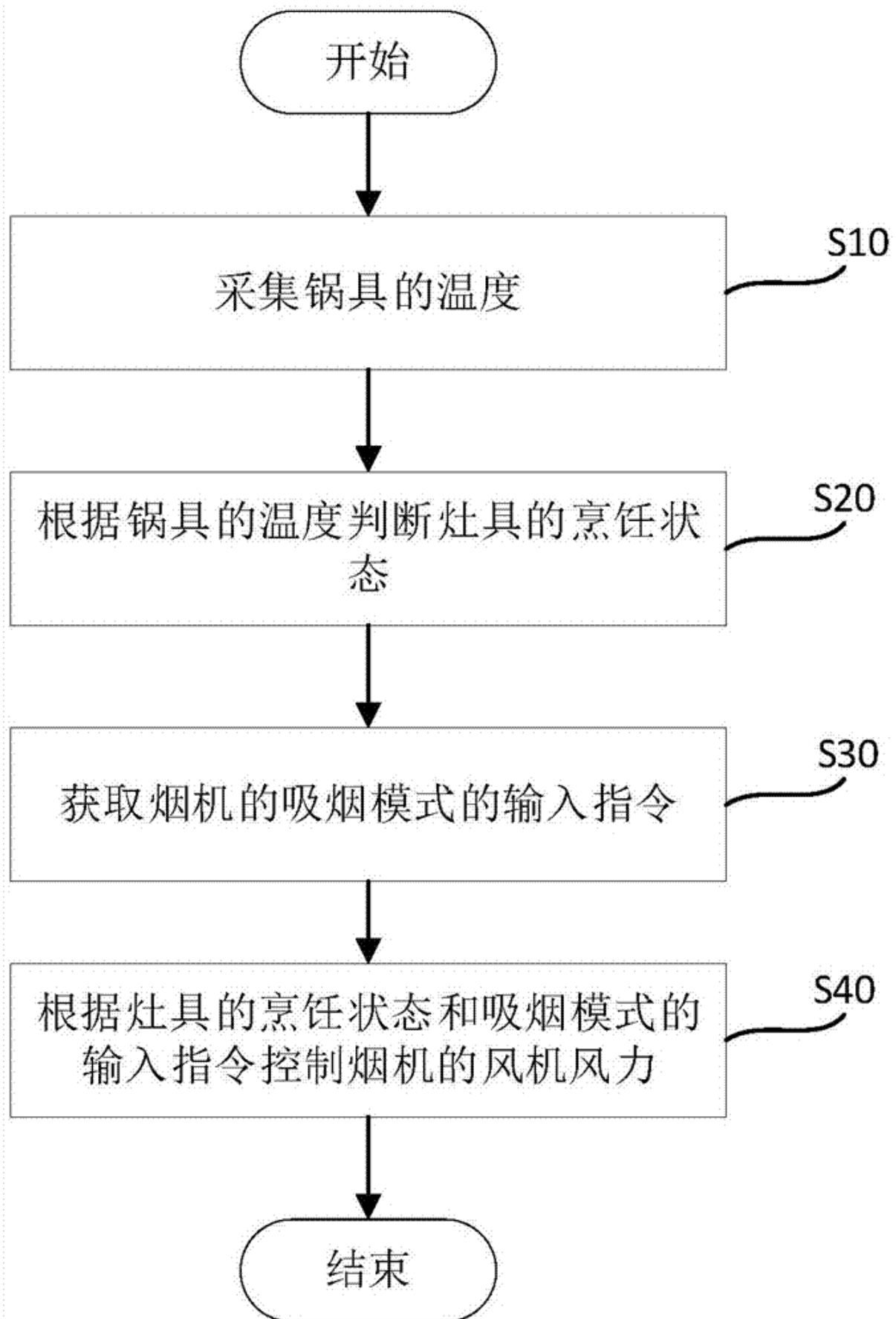
Family 91/100 - FAMPAT - ©Questel

Title

(CN109237534)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images

**Publication data including kind & date**

CN109237534

A 2019-01-18 CN109237534

**Abstract**

(CN109237534)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied to a kitchen ventilator and a stove. The kitchen

ventilator and stove linkage control method comprises the following steps: collecting the temperature of cookware; judging the cooking state of the cookware according to the temperature of the cookware; acquiring an input command of a smoke absorbing mode of the kitchen ventilator; and controlling wind power of a fan of the kitchen ventilator according to the cooking state of the stove and the input command of the smoke absorbing mode. According to the kitchen ventilator and stove linkage control method, by controlling the wind power of the fan of the kitchen ventilator according to the cooking state of the cookware and the input command of the smoke absorbing mode, proper wind power of the kitchen ventilator can be adjusted automatically to absorb lampblack generated in the cooking process, and meanwhile, the diversified demands of a user can be met, so that the user experience is good.

Inventors

HAN JIE

DAI XIANGLU

DU ZHANGHE

JI JUNSHENG

Latest standardized assignees - inventors removed

FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

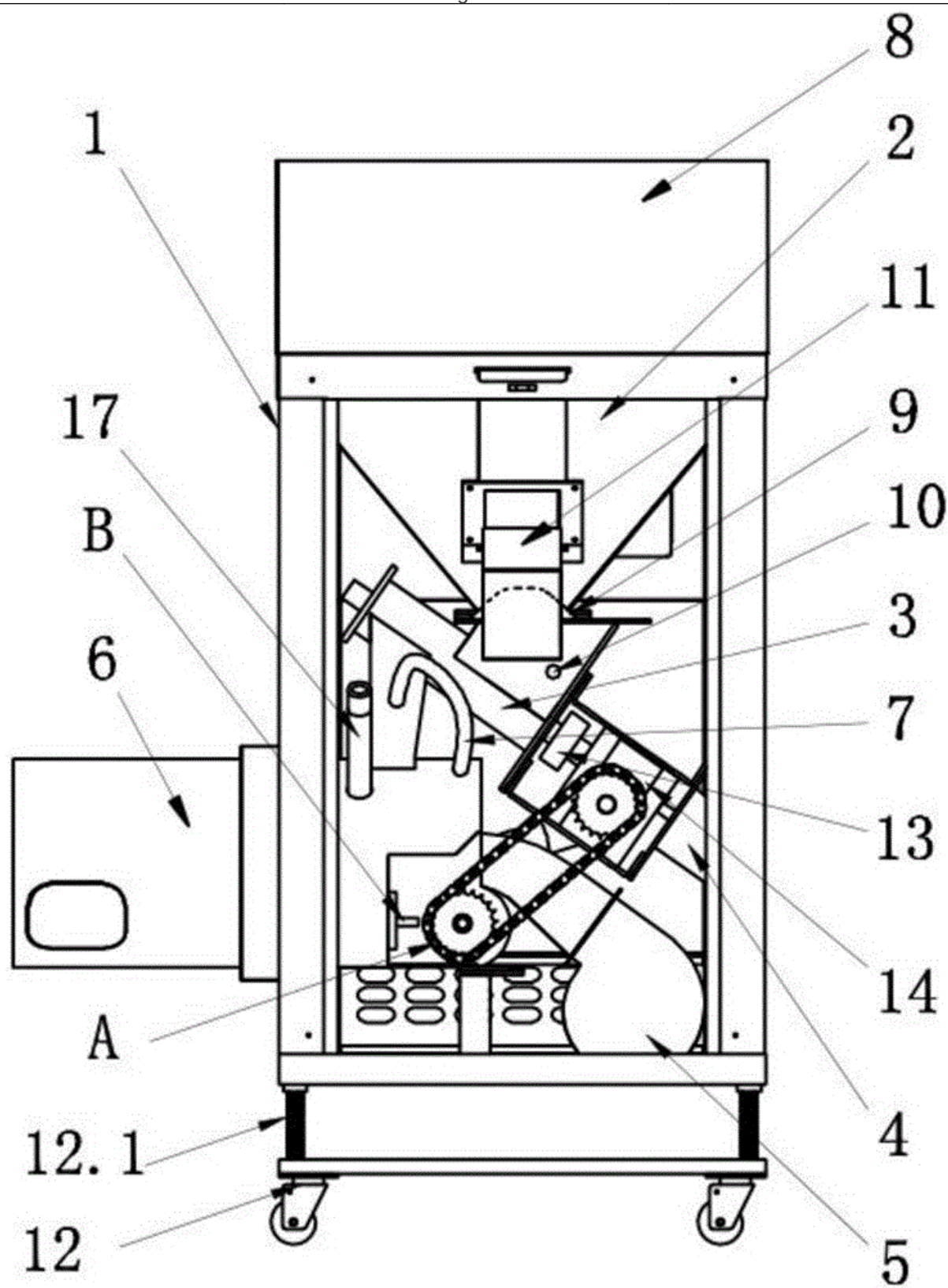
Family 92/100 - FAMPAT - ©Questel

Title

(CN106678777)

Portable combustion machine

Images



Publication data including kind & date

[CN106678777](#)

A

2017-05-17

CN106678777



Abstract

(CN106678777)

The invention provides a portable combustion machine which comprises a shell, a hopper, an auger feeder, a stove grate, a feed motor, a combustion fan and a stove mouth set. The upper end of the shell is provided with an opening, and the lower portion of the shell is provided with a hearth. The side wall of the hearth is provided with through holes. The lower portion of the hopper, the auger feeder, the feed motor and the combustion fan are all arranged in the shell. The tail end of the stove mouth set, and the stove grate are both arranged in the hearth. An included angle of 15-75 degrees is formed between the conveying direction of the auger feeder and the horizontal plane. A feed inlet of the auger feeder

communicates with the hopper, and a discharge outlet of the auger feeder communicates with the tail end of stove mouth set and is located above the stove grate. The auger feeder is connected with the feed motor. An air outlet of the combustion fan communicates with the tail end of the stove mouth set. By adoption of the technical scheme, the portable combustion machine has the effects that the whole structure is simple; and the conveying direction of the auger feeder is upward, and the certain inclination angle is formed between the conveying direction of the auger feeder and the horizontal plane, smoke back spurt can be relieved, the using safety performance is improved, materials fall down from high above, the time of contact between the materials and distributed air is prolonged, and the combustion efficiency is improved.

Inventors

YANG XING

CHENG SHU

CENG TAO

Latest standardized assignees - inventors removed

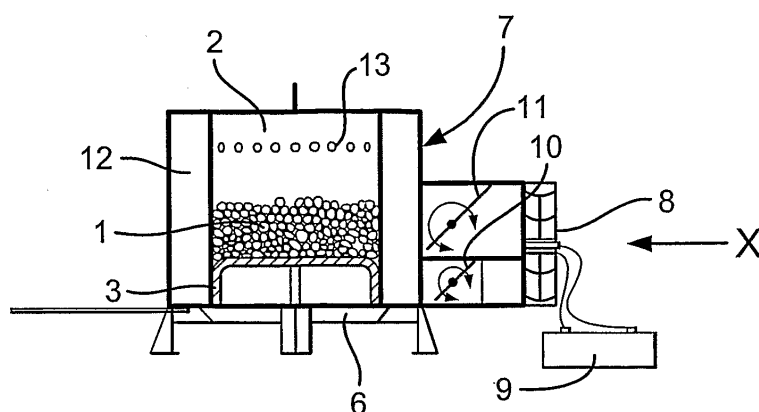
HUNAN XINDI NEW ENERGY TECHNOLOGY

Family 93/100 - FAMPAT - ©Questel

Title

(WO200736720)

Biomass stove

Images**Publication data including kind & date**

IN1365/CHE/2005	A	2006-03-10	IN2005CH01365
WO2007036720	A1	2007-04-05	WO200736720
IN229283	B	2009-03-20	IN-229283
VN0010665	B	2012-10-25	VN--10665B

**Abstract**

(WO200736720)

A method for operating a biomass cooking stove which stove (7) comprises (a) a substantially cylindrical combustion chamber (4) for the fuel (1), (b) means for providing a primary air supply to the bottom of the combustion chamber and (c) means for providing a secondary air supply to the top of the combustion chamber, the method comprising introducing biomass fuel into the combustion chamber (4), igniting the fuel at the top of the bed and introducing the primary air supply to the bottom of the combustion chamber and the secondary air supply to the top of combustion chamber, the method being characterised in that the fuel is introduced into the combustion chamber, to a height which is about the same as the diameter of the combustion chamber.

Inventors

MUKUNDA HANASOGE SURYANARAYANA

PAUL PALAKAT JOSEPH

RAJAN NAGAMANGALA KRISHNAIYENG

DASAPPA SRINIVASIAH

SRIDHAR GURURAJA RAO

SRIDHAR HUNASENAHALLI VENKATES

Latest standardized assignees - inventors removed

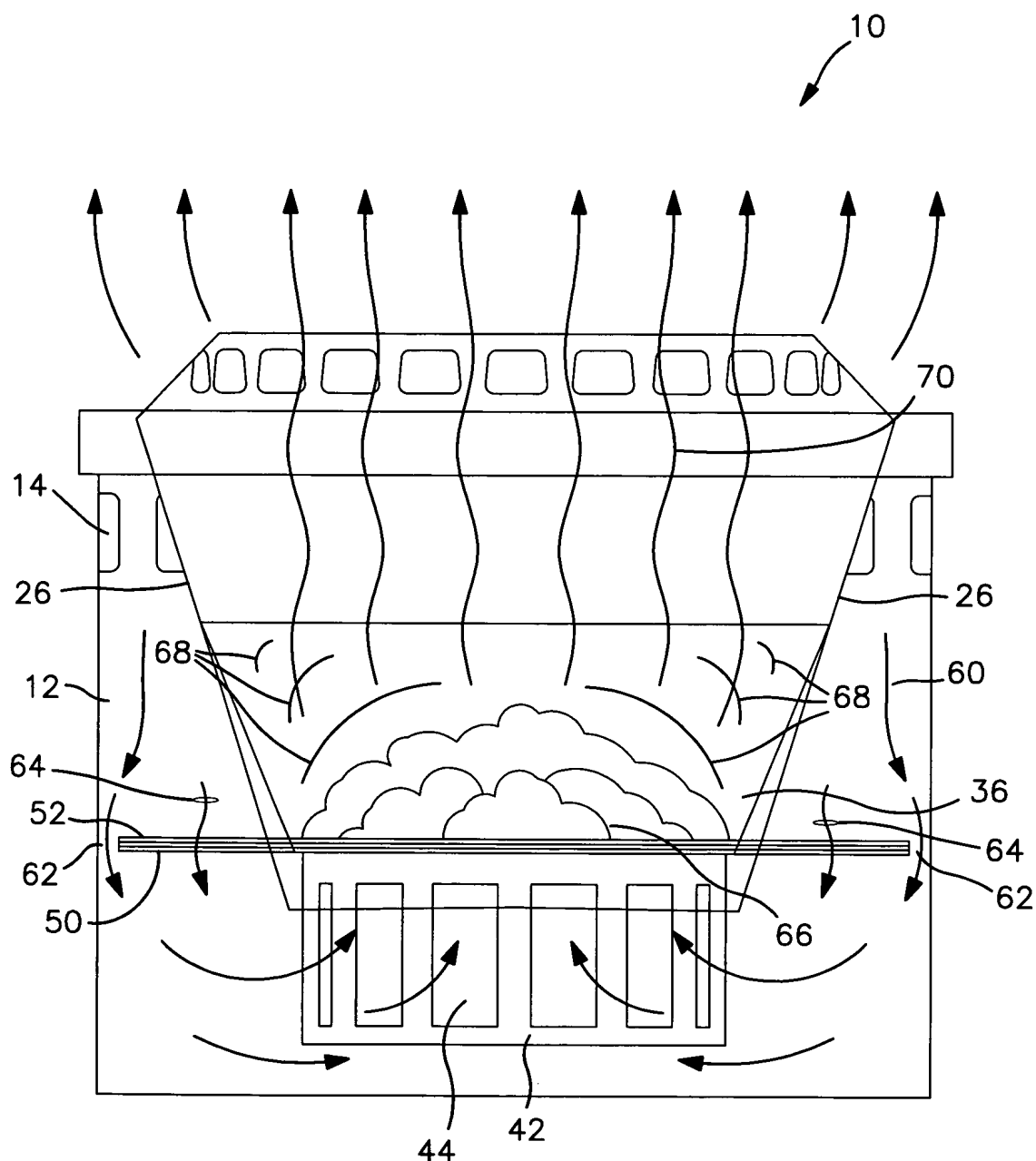
BP

Family 94/100 - FAMPAT - ©Questel

Title

(US8006686)

High efficiency combustion stove

Images**Publication data including kind & date**

US20090165772	A1	2009-07-02	US20090165772
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US8006686	B2	2011-08-30	US8006686
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US20120060819	A1	2012-03-15	US20120060819
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**Abstract**

(US8006686)

The invention is a stove that is portable, has a double walled external structure for the passage of air used in combustion of

the fuel, which air also maintains the external surface at a cool enough temperature that it can be touched, and which air flow prevents the waste of heat laterally to the ambient air from a hot outer surface. This increases cooking efficiency, because almost all heat that reaches the air flow between the two walls is drawn right into the combustion chamber in the form of preheated air by reason of the chimney effect. Thus almost no heat can escape the outside wall except by reaching the cooking pot bottom and pot sides after passing out the cover vents as exhaust. The stove is preferably powered with coal, and uses about half as much coal as a conventional coal fired stove resulting from cooking efficiency.

Inventors

HUNT LARRY

SCHUR HENRY B

Latest standardized assignees - inventors removed

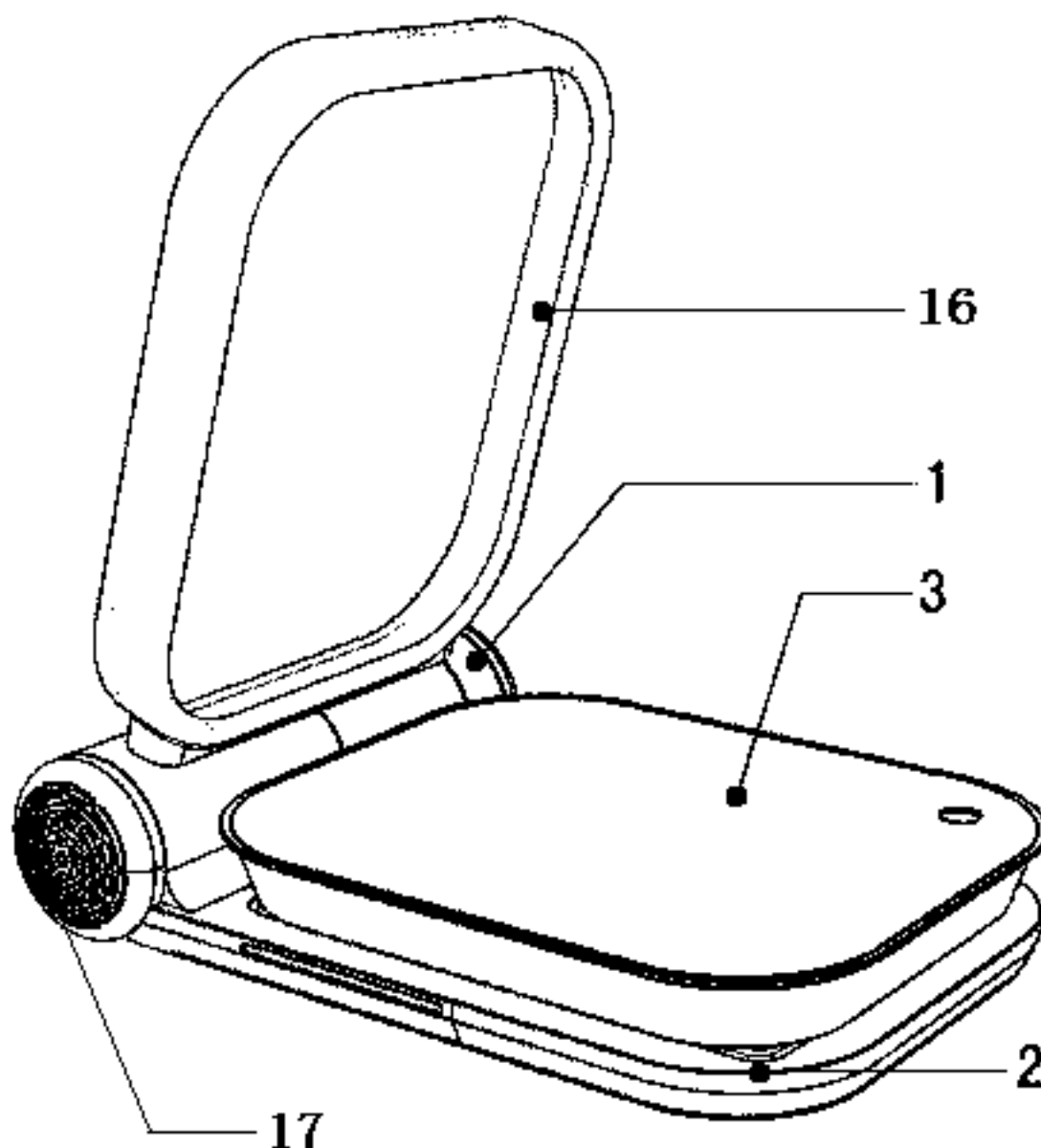
ENVIRO FUELS MANUFACTURING

Family 95/100 - FAMPAT - ©Questel

Title

(CN204923133U)

Portable integrated kitchen

Images**Publication data including kind & date**[CN204923133](#)

U

2015-12-30

CN204923133U

**Abstract**

(CN204923133U)

Portable integrated kitchen relates to an electromagnetism stove. Conventional integrated kitchen collects lampblack absorber, cooking utensils, cupboard in the home -use kitchen of an organic whole cooking utensils, and its volume is too big. The utility model discloses a box is collected to heating kitchen range, fume extractor, tableware, and the fume extractor rotates to be connected on the heating kitchen range, and the fume extractor forms the massive state of taking in of board after closing with heating kitchen range lid, and the fume extractor includes turbocharged device, the hollow frame of discharging fume, the casing and the heating kitchen range of turbocharged device link firmly, being in when taking in the state when integrated kitchen, forming the tableware between hollow discharge fume frame and the heating kitchen range and collect the box and hold the chamber, the tableware is collected the box and is located the tableware and collect and box hold in the chamber, the casing of frame and turbocharged device of discharging fume rotates to be connected, and the inner chamber of discharge fume frame and turbocharged device communicates with each other, and the drive flue gas was arranged outside the vacancy from the frame of discharging fume during compressed air got into the frame of discharging fume by the inner chamber of turbocharged device. This technical scheme has realized the miniaturation of integrated kitchen, portable.

Inventors

ZHUGE YAOQUAN

WU FAN

GAO YANG

Latest standardized assignees - inventors removed

ZHEJIANG INSTITUTE OF MECHANICAL & ELECTRICAL ENGINEERING

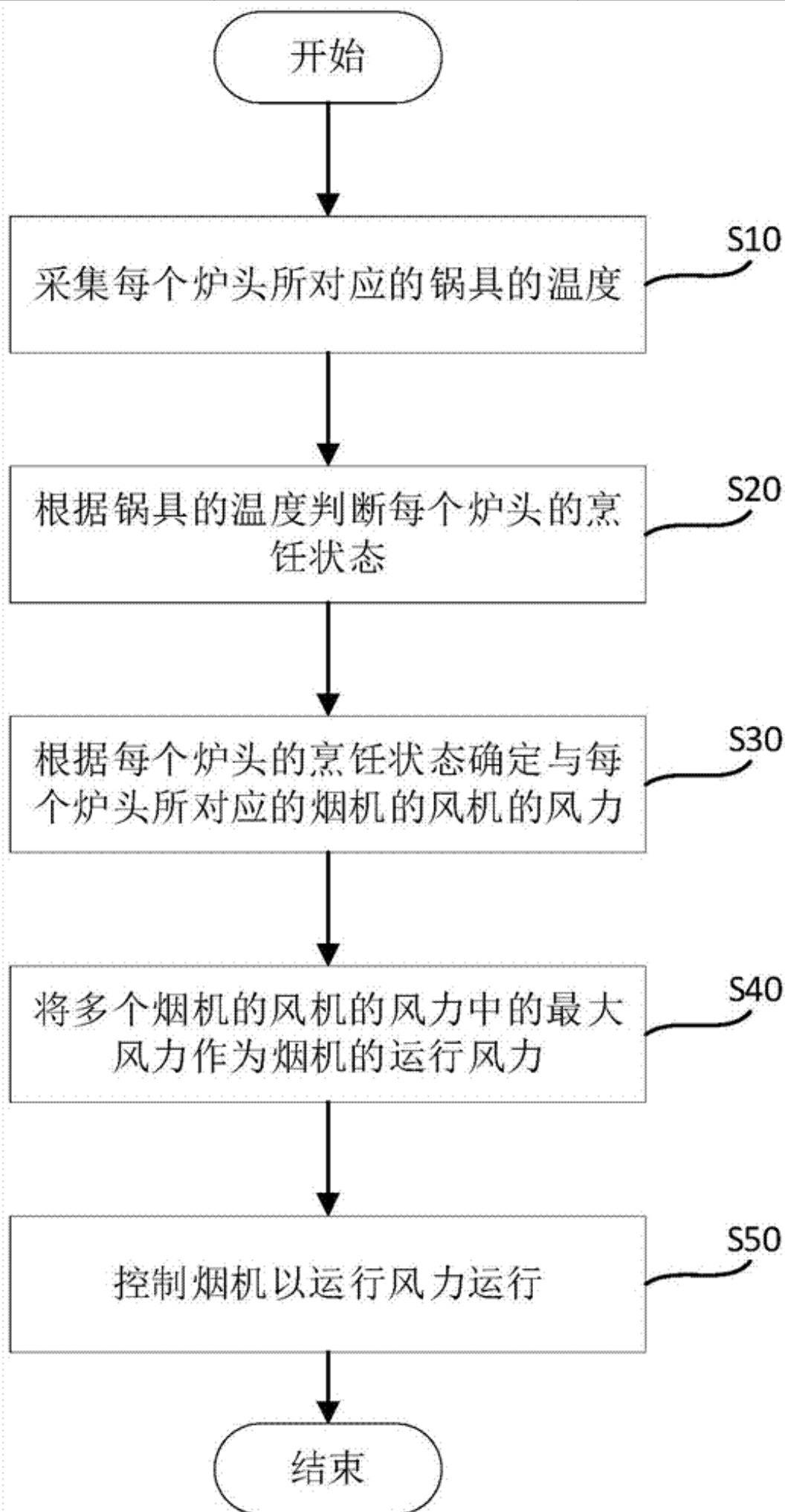
Family 96/100 - FAMPAT - ©Questel

Title

(CN109237541)

Kitchen ventilator and stove linkage control method and kitchen ventilator and stove linkage system

Images



Publication data including kind & date

CN109237541

A 2019-01-18

CN109237541

**Abstract**

(CN109237541)

The invention discloses a kitchen ventilator and stove linkage control method and a kitchen ventilator and stove linkage system. The kitchen ventilator and stove linkage control method is applied to a kitchen ventilator and a stove. The kitchen ventilator and stove linkage control method comprises the following steps: collecting temperatures of cookware corresponding to furnace heads; judging the cooking states of the furnace heads according to the temperatures of the cookware; determining the wind power of fans of kitchen ventilator corresponding to the furnace heads according to the cooking states of the furnace heads; taking the maximum wind power of the fan in the fans of the kitchen ventilator as the operating wind power of the kitchen ventilator; and controlling the kitchen ventilator to operate at the operating wind power. According to the kitchen ventilator and stove linkage control method, by determining the wind power of the fans of kitchen ventilator corresponding to the furnace heads according to the cooking states of the furnace heads and taking the maximum wind power of the fan in the fans of the kitchen ventilator as the operating wind power of the kitchen ventilator, proper wind power of the fan of the kitchen ventilator can be adjusted automatically to absorb lampblack generated by the furnace heads in the cooking process, so that a role of saving electric energy is played, and the lampblack is absorbed more thoroughly.

Inventors

HAN JIE

DAI XIANGLU

SHI DIJUN

DU ZHANGHE

JI JUNSHENG

Latest standardized assignees - inventors removed

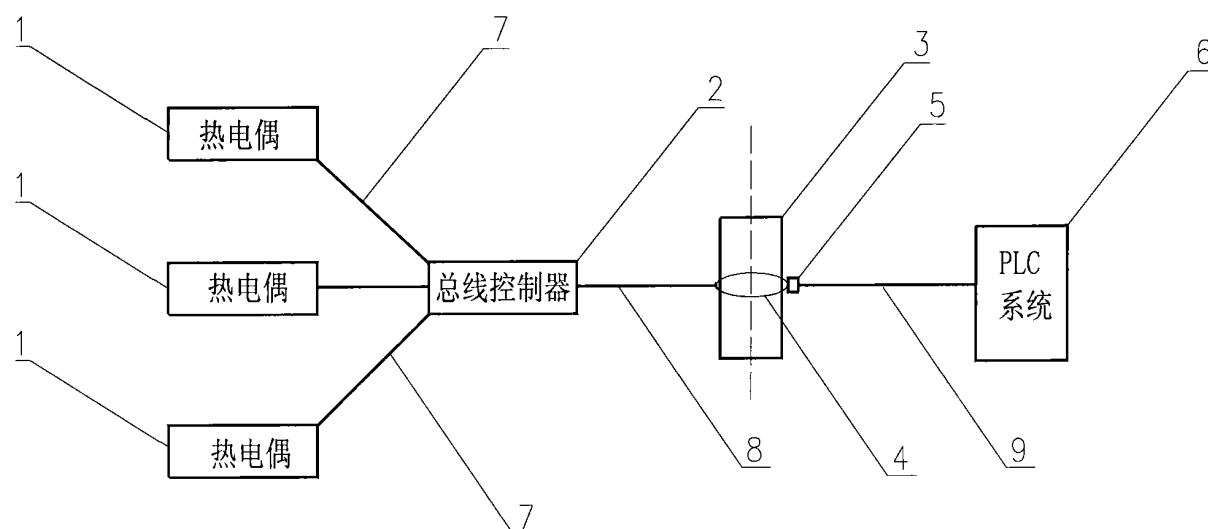
FOSHAN SHUNDE MIDEA WASHING ELECTRICAL APPLIANCE MANUFACTURING

Family 97/100 - FAMPAT - ©Questel

Title

(CN201740413U)

Stove bottom slip ring temperature measurement system of iron alloy electric stove

Images**Publication data including kind & date**

CN201740413

U 2011-02-09

CN201740413U

**Abstract**

(CN201740413U)

The utility model discloses a stove bottom temperature measurement system of an iron alloy electric stove, which adopts a

slip ring to send the stove bottom temperature signals of a rotating electric stove to a programmable controller. The system comprises a thermocouple, a bus controller, a slip ring and a programmable controller, wherein the thermocouple is arranged on the stove bottom of an electric stove for measuring stove bottom temperature; the bus controller is arranged on the electric stove, and the thermocouple is connected with the bus controller by a compensating cable; the slip ring is arranged on a rotating shaft in the center of the electric stove, a carbon brush is also arranged on the slip ring, and the bus controller is connected with the slip ring by a first bus cable; the carbon brush is connected with the programmable controller by a second bus cable. In the stove bottom temperature measurement system of an iron alloy electric stove, rotating temperature signals are sent out by the slip ring, original portable temperature measurement is replaced, master control room continuous monitoring can be realized, and interlocking control is realized for the system and the stove bottom fan according to temperature values.

Inventors

WANG MINGXIANG

Latest standardized assignees - inventors removed

BERIS

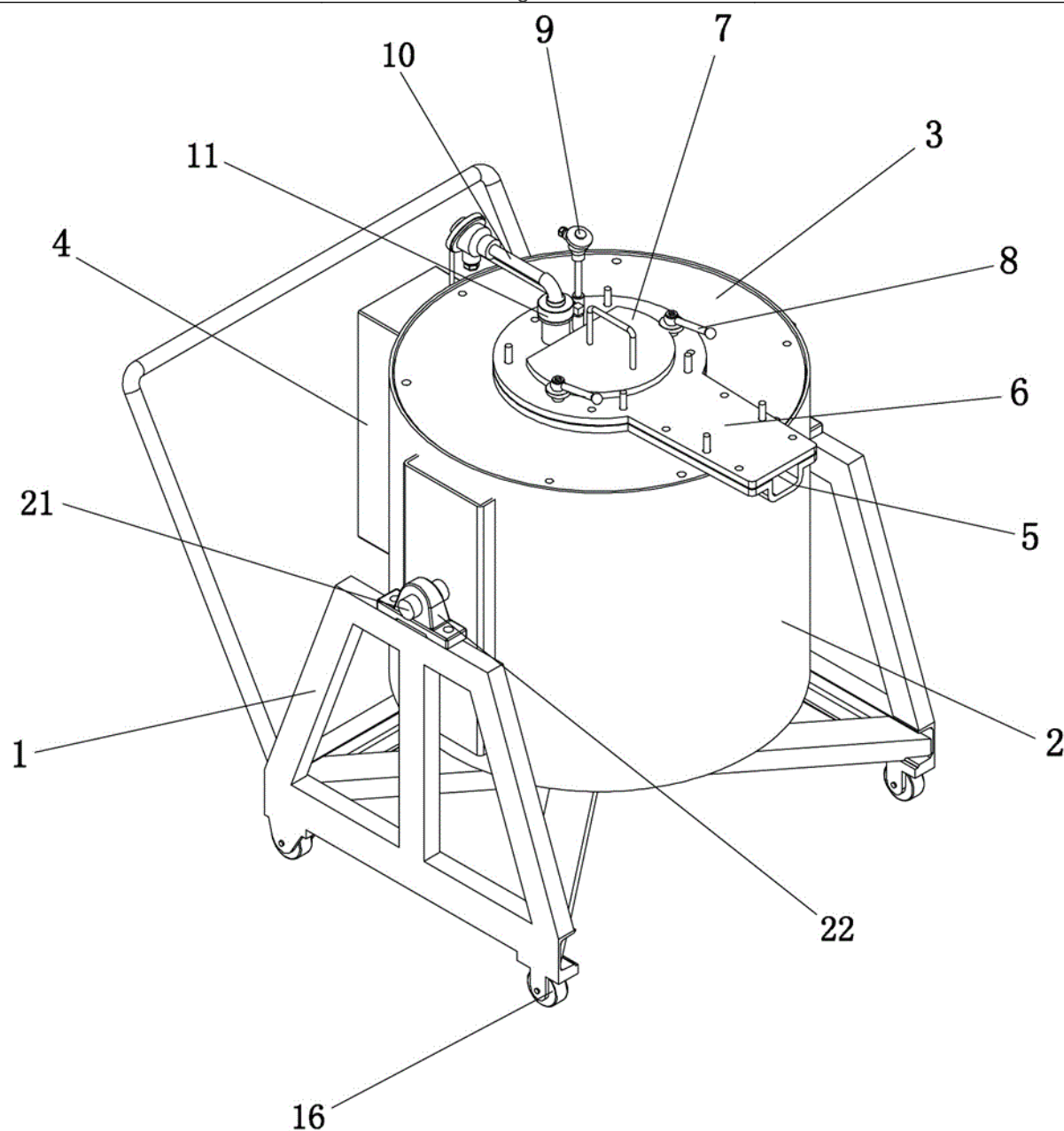
Family 98/100 - FAMPAT - ©Questel

Title

(CN205669940U)

Small -size portable alloy smelting furnace

Images

**Publication data including kind & date**

CN205669940

U

2016-11-02

CN205669940U

**Abstract**

(CN205669940U)

The utility model discloses a small -size portable alloy smelting furnace, including the frame body, stove outer covering, stove outer covering lid, crucible, crucible apron, heater, the frame body is formed by the section bar preparation, the stove outer covering is equipped with the regulator cubicle locate the rolling bearing unit of the frame body through the pivot on the stove outer covering, the interior bottom of stove outer covering is equipped with firebrick layer, the inner wall of stove outer covering is equipped with heat preservation cotton layer, upper portion is equipped with insulating fibre -board in the stove outer covering, firebrick layer, heat preservation cotton layer, insulating fibre -board three form a heat preservation cavity, the stove outer covering lid is connected in the top of stove outer covering, the crucible is located in the stove outer covering, the top of crucible is located to the crucible apron, the heater is located on the outer wall of crucible. The utility model discloses the ejection of compact is convenient, washes and maintains simply, convenient operation.

Inventors

LI YOUCHENG

CHEN MEIYU

FAN ZHIQIANG

LI XIAOYI

WEN FENGMEI

Latest standardized assignees - inventors removed

SANXIANG ADVANCED MATERIALS

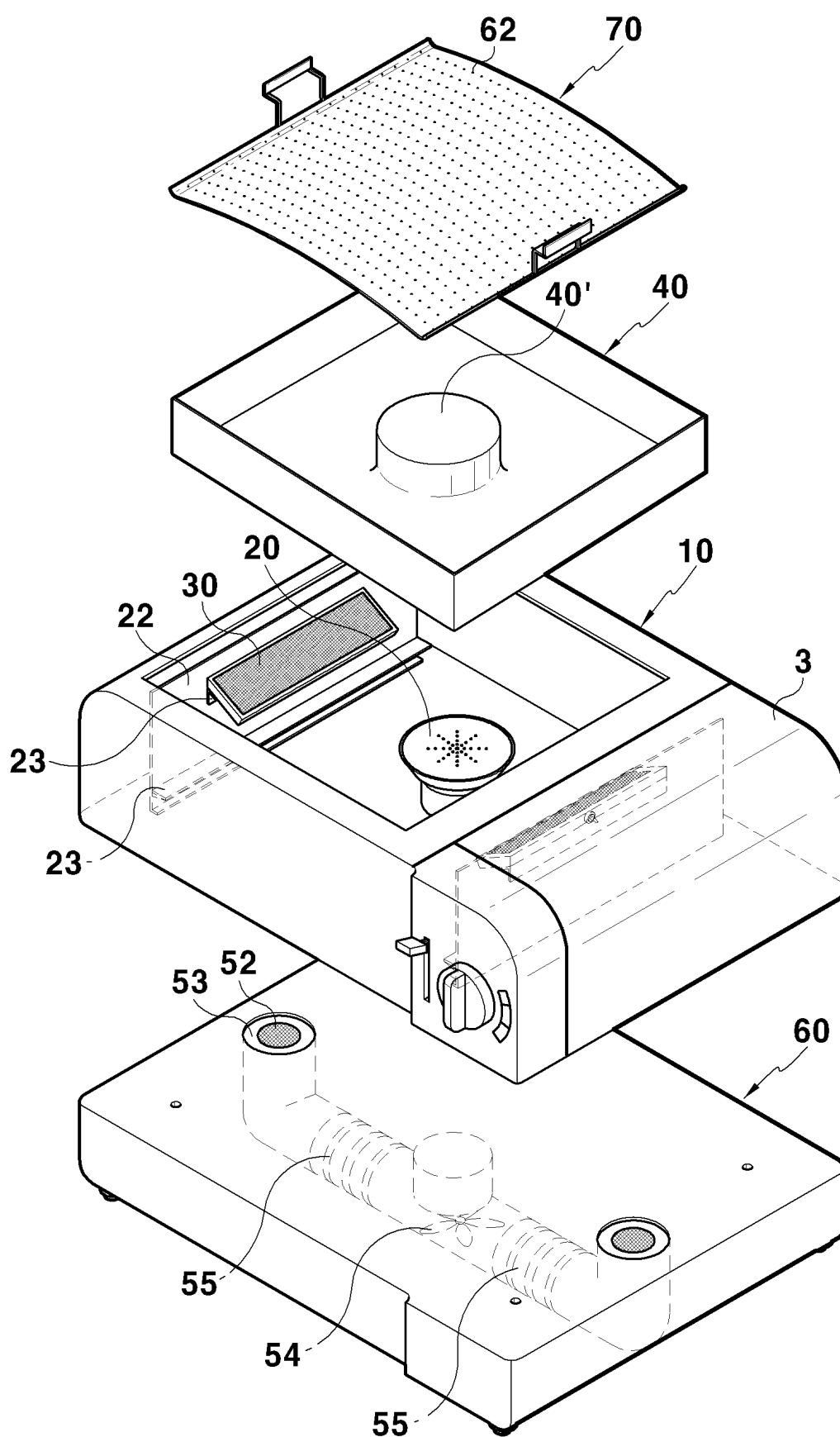
Family 99/100 - FAMPAT - ©Questel

Title

(KR200348574U)

Portable Gas Range

Images

1

Publication data including kind & date[KR200348574](#)

Y1 2004-04-29

KR200348574U

**Abstract**

(KR200348574U)

The present invention comprises a chamber, and easily carried in and out of the food cooking stove can be as a portable, combustion occurs by the gas supplied to the central part 1 so that the first heating unit is installed, and has a predetermined angle of inclination of the lateral sides of a ceramic and a heating unit 2 is provided on a second, downwardly extending of the smoke generated during cooking and odorous sucking, the exhaust fan can be removed as installed, so that the meat roasted flour relates to a portable stove.

The present invention comprises various meat and fish by armature sphere in a direct method, indoor, and easily carried out by, a sphere can be performed as well as, the combustion takes place by supplying a gas heating unit installed on the both side walls, high thermal efficiency and concentration of the heating phenomenon abolition can be eliminated, efficient and, also, the present invention comprises a fire using roasted flour (grill) is possible, generated in the course of baked meat moisture and oil for the fresh water in the gutter is provided, with the heating unit of the oil and smoke and odor fall soot generated in a clean and smooth to prevent sanitary condition can be maintained thereon.

Inventors

OH YANG SOON

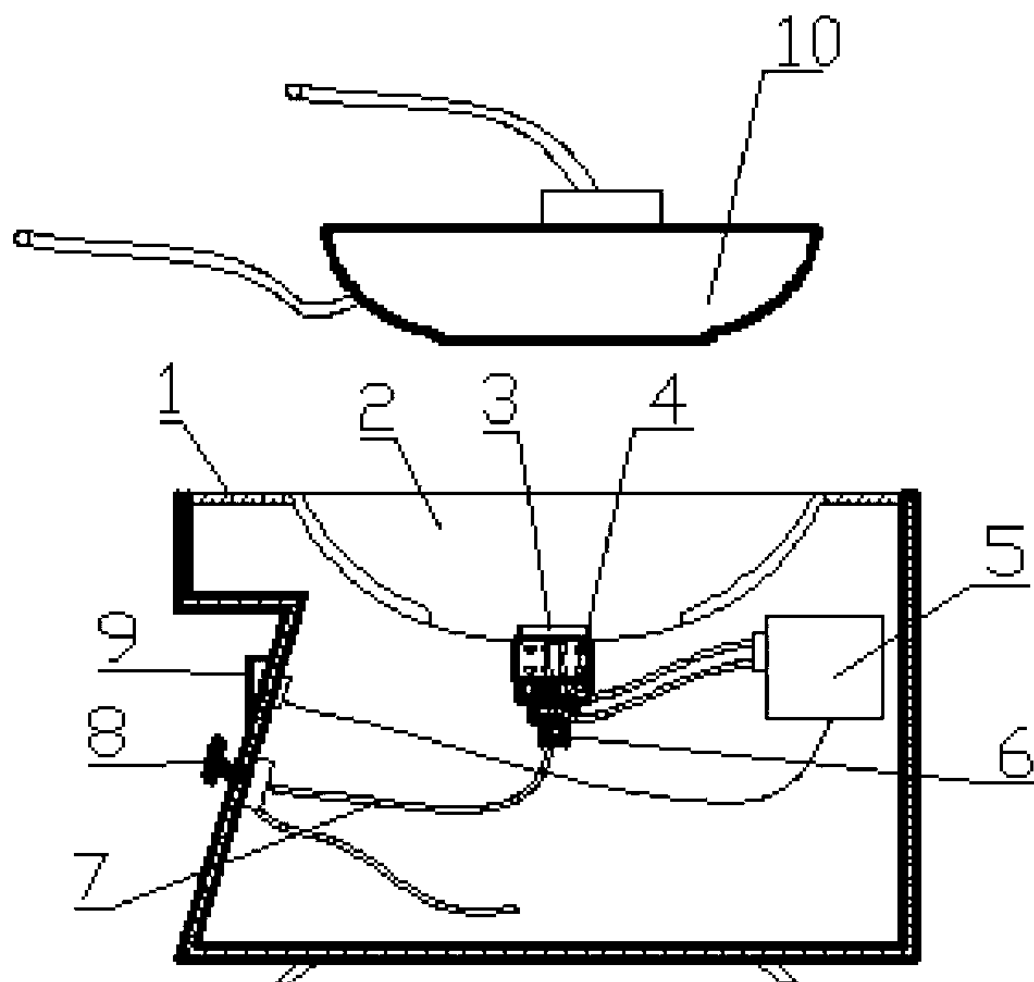
Family 100/100 - FAMPAT - ©Questel

Title

(CN202613512U)

Jet type gas stove

Images

**Publication data including kind & date**

CN202613512

U

2012-12-19

CN202613512U

**Abstract**

(CN202613512U)

The utility model relates to a jet type gas stove which comprises a stove body provided with supporting legs, a combustion chamber, a fire head, a nozzle, a gas pipe and a switch. A small-power centrifugal fan is arranged in the stove body, a circular duct is arranged circumferentially on the upper end face of the fire head, the duct is communicated with the centrifugal fan, and evenly distributed air outlets are opened on the inner side of the circumferential circular duct on the upper end face of the fire head; and the combustion chamber is in a pot type cavity structure, a round gas inlet is opened in the center at the bottom of the combustion chamber, the upper end of the fire head is placed into the round gas inlet in the center at the bottom of the combustion chamber, the lower end of the fire head is in threaded connection with the nozzle, and the gas pipe is sleeved on the nozzle. A pot type sealed water tank matched with the combustion chamber is arranged on the combustion chamber, and a water inlet pipe and a water outlet pipe are arranged on the pot type sealed water tank. According to the jet type gas stove, the structure is simple, the mounting is convenient, gas is mixed with air evenly for a plurality of times under an action of jet flows through the fire head, the duct on the fire head and a central air inlet on the combustion chamber, the gas is combusted fully, carbon is not blocked, the heat efficiency is high, and the energy saving effect is good.

Inventors

TANG HUAIDE