

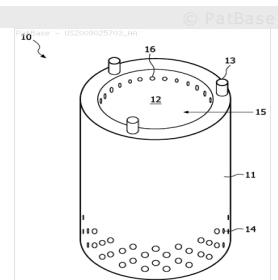
1) Family number: 33452488 (US2009025703A)

COOKING STOVES

Abstract: Source: US2009025703A 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 (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.

Probable Assignee: PHILIPS ELECTRONICS N V KONINKLL

Earliest Publication Date: 20061005



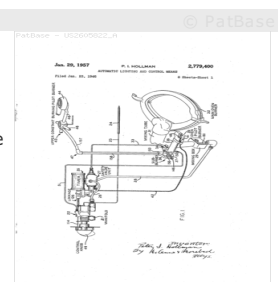
2) Family number: 29919118 (US2605822A)

FLASH TUBE

Abstract: Source: US2605822A (Claim 1) 1. I claim-. i. A flash tube zoniprisin_g a fitst.u_sli8_ped me'mbet forhied by a bridging pattion a_id 8paced sidl,s a gecoiid U-shaped member in nested rela_- tibn vvith the -first irieriiber bnd foi-med by sildes ahd E_ bridgiig 'pbttion in tpai3led telatibn to said bridging pol7tioii af tho fitst mei_.,bet, 6ri:re of sa_td sidet of Eraid se_cond fmember Leing wi-dor_ thaii the 2(other, _ 8ai'd wide gide being in side bs_ side doh_ tiguus r_elati-dti with one bi the side_s of the first ntember bnd abutting a-against the bridging portion Of ti'e first member, and the narrow side of said sftotld ftiOAfoet being in spac6d 8idet by side relatio'n with the other side of the iylst memb6r and Veing space_d froin the bridging portion of the first rmembt_-P, spaced means fortned on one. of tho rhomilets acting bi_t_vae'n gaid natrov_ 8ide and said other 8ide of the first member td rag_in- t_.,ii,i said 8ides ifi QPa6ed relo_tion and 8_pa_ted means fotmed on one of the members acting b8- tween the narrow sid-e and tho btdging portibh of the iirst meiftber to mo_intaiiii the edge of the

Probable Assignee: ROPER CORP GEO D

Earliest Publication Date: 19520805



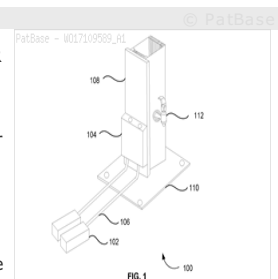
3) Family number: 66205375 (WO17109589A1)

THERMOELECTRIC GENERATOR ASSEMBLY FOR GENERATING ELECTRICITY USING HEAT TRANSFER SYSTEM AND THERMOSIPHON HEAT SINK

Abstract: A thermoelectric power assembly for generating electricity is provided. The thermoelectric power generator assembly includes a metallic source hot plate 102, a heat injector 104, a heat pipe 106, a heat exchanger 108, an aluminum bottom plate 110, a drainage tap 112, a thermoelectric device 202, and a voltage regulation assembly 204. The metallic source hot plate 102 is coupled to a heat source. A metallic recipient hot plate absorbs heat from the metallic source hot plate 102. The heat pipe 106supplies the heat from the metallic source hot plate 102 to the metallic recipient hot plate. The heat exchanger 108 is coupled to the heat injector 104 and the heat exchanger 108 includes liquid coolant. The thermoelectric device 202 is mounted between the heat injector 104 and the heat exchanger 108. The voltage regulation assembly 204 is coupled to the thermoelectric device 202 to receive the electrical energy.

Probable Assignee: BHATTI AMIR

Earliest Publication Date: 20170623



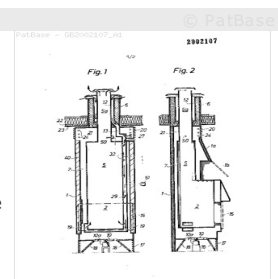
4) Family number: 1547778 (GB2002107A)

A METHOD OF BURNING SOLID FUEL IN A CLOSED FIREBOX OF AN AIR-HEATING STOVE AND A STOVE FOR CARRYING OUT THE METHOD

Abstract: Source: GB2002107A In a method of burning solid fuel in a closed firebox 2 of an air heating stove, the firebox is provided with an air-supply passage 13 and the rate of combustion is controlled by means of at least one damper 29 arranged in the air-supply passage. One or more control means 50, 51, such as a thermostat or time-relay controls the movement of the damper between either a substantially fully open position and a substantially fully closed position in which case the supply of air to the firebox is substantially cut off. In the closed position of the damper the combustion process will practically cease in the firebox but the solid fuel is maintained by the control means at a sufficiently high temperature for the combustion process to recommence when the damper is reopened.

Probable Assignee: LUFTKONDITIONERING AB

Earliest Publication Date: 19781211

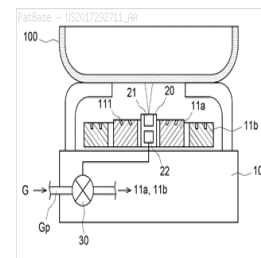


5) Family number: 63266135 (US2017292711A)

GAS STOVE HAVING TEMPERATURE SENSING FUNCTION

Abstract: Source: US2017292711A A gas stove having a temperature sensing function comprises a stove body, a temperature sensor and a gas controller. The stove body includes a burner assembly for heating a pot. The temperature sensor includes a thermopile sensor and a signal processor. The thermopile sensor senses infrared rays radiating from the pot and outputs a sensing signal. The signal processor is electrically connected with the thermopile sensor to process the sensing signal and outputs a control signal. The gas controller is electrically connected with the signal processor and adjusts a gas flow supplied to the burner assembly according to the control signal. The aforementioned gas stove senses the temperature of the pot with a non-contact manner.

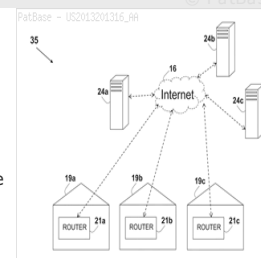
Earliest Publication Date: 20160817



6) Family number: 54513488 (US2013201316A)

SYSTEM AND METHOD FOR SERVER BASED CONTROL

Abstract: Source: US2013201316A A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a device associated with the sensor and a device associated with the actuator over in-building or in-vehicle networks, and an external Internet-connected control server associated with the control logic implementing a PID closed linear control loop and communicating with the router over external network for controlling the in-building or in-vehicle phenomenon. The sensor may be a microphone or a camera, and the system may include voice or image processing as part of the control logic. A redundancy is used by using multiple sensors or actuators, or by using multiple data paths over the building or vehicle internal or external communication. The networks may be wired or wireless, and may be BAN. PAN. LAN. WAN. or home networks.



Probable Assignee: MAY PATENTS LTD

Earliest Publication Date: 20130808

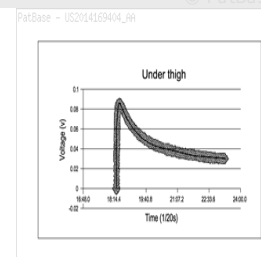
7) Family number: 56727649 (US2014169404A)

SYSTEM AND METHOD FOR DETECTING HEAT EMITTING OBJECTS

Abstract: Source: US2014169404A There is provided a system for detecting presence or absence of a heat emitting object, comprising a platform for receiving the object, and the platform defining an area in which a temperature gradient with the object may exist, a thermoelectric device for generating an electrical voltage indicative of the presence or absence of temperature gradient and/or the magnitude of the temperature gradient, and an indicator for indication of the presence or absence of the object to be detected.

Probable Assignee: CITY UNIV OF HONG KONG

Earliest Publication Date: 20140619



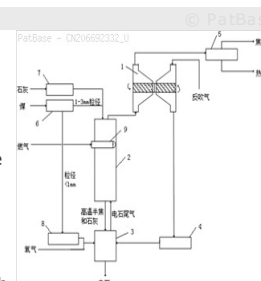
8) Family number: 67692748 (CN206692332U)

CALCIUM CARBIDE PRODUCTION SYSTEM

Abstract: Source: CN206692332U The utility model relates to a calcium carbide production system. Calcium carbide production system includes: thermoelectric stone stove of downer pyrolysis oven, oxygen and high -temperature filter, wherein, the downer pyrolysis oven includes raw materials import, expects export and outlet of raw coke oven gas, carbide exhaust gas inlet admittedly, the thermoelectric stone stove of oxygen includes that the oxygen coal spouts entry, solid material import, carbide export and the export of carbide tail gas, and the thermoelectric stone stove of oxygen expects import and downer pyrolysis oven admittedly and expect admittedly that the export links to each other, the thermoelectric stone stove carbide tail gas export of oxygen and downer pyrolysis oven carbide exhaust gas inlet links to each other, high -temperature filter includes dust -laden gas entry, clean air out, blowback gas entry and dust outlet, dust -laden gas entry with outlet of raw coke oven gas links to each other. The utility model discloses a new high -temperature filter can realize that pyrolysis oiliness coal gas high temperature removes dust, improves the pyrolysis oil quality, the thermoelectric stone furnaceman of downer pyrolysis oven and the oxygen coupling of planting in addition, the carbide tail gas sensible heat that has utilized the thermoelectric stone stove of oxygen reduces system energy consumption for the pyrolysis oven provides the heat.

Probable Assignee: SHENWU ENV TECH CO LTD

Earliest Publication Date: 20171201



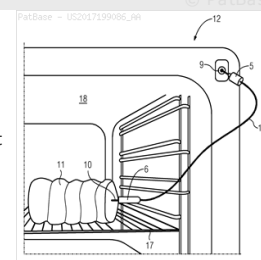
9) Family number: 61559650 (US2017199086A)

COOKING APPLIANCE COMPRISING AN ELECTRICAL ADAPTER

Abstract: Source: US2017199086A A Cooking appliance, in particular an oven, including an electrical adapter, the electrical adapter including an electrical signal input for receiving at least one analog voltage input signal from a temperature sensor, particularly a meat thermometer, an electrical signal output for providing an analog voltage output signal to an appliance, particularly a kitchen stove, and an electrical signal converter for converting the input signal to the output signal, the signal converter electrically connected to both the signal input and the signal output and configured such that the output signal is inversely proportional to the input signal.

Probable Assignee: ELECTROLUX AB

Earliest Publication Date: 20160203



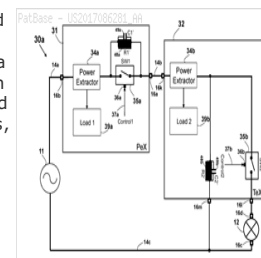
10) Family number: 62922902 (US2017086281A)

METHOD AND APPARATUS FOR POWER EXTRACTION IN A PRE-EXISTING AC WIRING INFRASTRUCTURE

Abstract: Source: US2017086281A A method and apparatus for extracting power in a switch location, and in a load location for use in a pre-existing infrastructure of switching AC power to a lamp (or other load) via a two terminal switch device. The switch is replaced with a module including a first controlled switch (such as a triac or relay) and a first impedance (such as a capacitor) connected in parallel, and another module including a second controlled switch (such as a triac or relay) and a second impedance (such as a capacitor) connected in parallel, is installed at the load location. In an 'off' state where the two controlled switches are in 'open' state, current is flowing via the impedances, but not through the load, so that power extractor circuits in the modules, connected in series to the impedances, extract low power for DC powering logic and other loads in the modules.

Probable Assignee: CMOO SYSTEMS LTD

Earliest Publication Date: 20160714



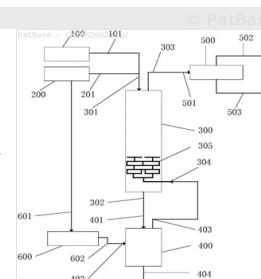
11) Family number: 65024479 (CN206266232U)

SYSTEM FOR PYROLYSIS OVEN AND CARBIDE STOVE ALLY ONESELF WITH WITH PRODUCTION CARBIDE

Abstract: Source: CN206266232U The utility model discloses a system for pyrolysis oven and carbide stove ally oneself with with production carbide. This system includes the broken unit of raw coal, pyrolysis oven, the superfine preparation unit of raw coal and carbide stove, the broken unit granule coal exit linkage pyrolysis oven feed inlet of raw coal, pyrolysis material exit linkage carbide feed inlet, the superfine fine coal entry of preparing the unit of the broken unit fine coal exit linkage raw coal of raw coal, superfine fine coal exit linkage carbide stove oxygen intake, carbide stove tail gas exit linkage pyrolysis oven high -temperature gas entry. The utility model provides a system for pyrolysis oven and carbide stove ally oneself with with production carbide, the tail gas sensible heat that utilizes the thermoelectric stone stove of oxygen has reduced system energy consumption for the pyrolysis oven provides the heat, and the energy utilization who has improved entire system is rated.

Probable Assignee: SHENWU ENV TECH CO LTD

Earliest Publication Date: 20170222



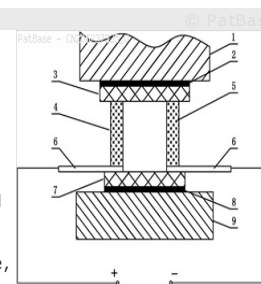
12) Family number: 64564902 (CN206237335U)

UTENSIL THERMOELECTRIC GENERATION'S MICROWAVE OVEN MAGNETRON

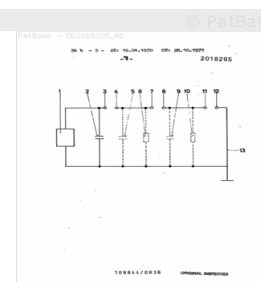
Abstract: Source: CN206237335U The utility model provides an utensil thermoelectric generation's microwave oven magnetron, is including setting up the magnetron body on the microwave oven, be provided with the temperature difference power generation devices who converts the heat to the electric energy on the magnetron body. It is a plurality of to P type semiconductor galvanic couple and N type semiconductor galvanic couple that temperature difference power generation devices includes the series connection, and the wire has been drawn forth respectively to this P type semiconductor galvanic couple and N type semiconductor galvanic couple, and peripheral circuit and/or external load are connected respectively to the end of drawing forth of wire. The utility model discloses a set up temperature difference power generation devices on the microwave oven magnetron, the heat that makes magnetron work send turns into the electric energy, can effectively cool down moreover. Specifically be, temperature difference power generation devices can not only partially shift away the accumulational heat of magnetron self, therefore the life of extension components and parts to, electric energy through the heat conversion can be used for for peripheral circuit or external load power supply, consequently like the stove lamp on the microwave oven, fan, automatically controlled board etc. Also can improve the ability loss -rate of microwave oven.

Probable Assignee: GUANGDONG GALANZ GROUP CO LTD

Earliest Publication Date: 20170104



13) Family number: 482189 (DE2018205A1)



Abstract: Source: DE2018205A1 (Claim 1) 1. Gasherd oder Gaskochplatte mit piezoelektrischer Zuendung der einzelnen Kochstellen, sowie der evtl. vorhandenen Grill- und Backofen-Ztindstellen dadurch gekennzeichnet, dass zwei oder mehrere Ztindstellen bzw. deren Zuendfunkenstecken elektrisch in Reihe geschaltet werden und ein piezoelektrischer Spannungsgenerator zwei oder mehrere dieser Zuendfunkenstrecken versorgt. Anspruch 2: Gasherd oder Gaskochplatte mit piezoelektrischer Zuendung der einzelnen Kochstellen, sowie der evtl. vorhandenen Grill- und Backofen-Zuendstellen nach Anspruch 1 dadurch gekennzeichnet, dass die Brenner dieses Herdes aus Material mit elektrisch isolierenden Eigenschaften bestehen, oder von der allgemeinen Masse an die der Masse pol des oder der piezoelektrischen Generatoren angeschlossen ist, elektrisch isoliert werden. Anspruch 3: Gasherd oder Gaskochplatte mit piezoelektrischer Zuendung der einzelnen Kochstellen, sowie der evtl. vorhandenen Grill- und Backofen-Zuendstellen nach Anspruch 1 und 2 dadurch gekennzeichnet, dass die ansich bekannten thermoelektrischen Elemente zur Zuendsicherung und deren Zuleitungen elektrisch isoliert von der allgemeinen Masse angebracht werden oder an den der Flamme ausgesetzten Bereichen mit einem waermefesten elektrisch isolierendem Material ueberzogen werden. Anspruch 4: Gasherd oder Gaskochplatte mit piezoelektrischer Zuendung der einzelnen Kochstellen, sowie der evtl. vorhandenen Grill- und Backofen-Zuendstellen nach Anspruch 1, 2, 3 und 4 dadurch gekennzeichnet, dass die Zuendfunkenstrecken als Beruehrungsschutz sonin elektrisch isolierendes Material eingebaut werden, dass ein ueberschlag in Luft zu den mit einem Finger zu beruehrenden Aussenflaechen bei der hoechsten vorkommenden Spannung von beiden Elektroden unter normalen Bedingungen nicht vorkommt. Anspruch 5: Gasherd oder Gaskochplatte mit piezoelektrischer Zuendung der einzelnen Kochstellen, sowie der evtl. vorhandenen Grill- und Backofen-Zuendstellen nach Anspruch 1 oder Anspruch 1 und 4 dadurch gekennzeichnet, dass beide Pole des oder der piezoelektrischen Spannungsgeneratoren gegenueber der Metallteile des Herdes isoliert gehalten werden ebenso alle Anschluesse der in Rohre geschalteten zwei oder mehreren Zuendfunkenstrecken.

Machine translation: (Claim 1) 1, Gas stove or gas stove top with piezoelectric ignition of the individual plates, as well as any existing grill and baking oven Ztindstellen wherein two or more Ztindstellen or their Zuendfunkenstecken electrically switched in series and a piezoelectric voltage generator has two or more of this he versorgt ignition spark gap. Claim 2: gas cooker or gas hob with piezo ignition of the individual plates, and the oval. existing grill and oven-ignition sites according to claim 1 wherein the burner of this stove are made of material having electrically insulating properties, or from the general to the wet mass of the pole or the piezoelectric generator is connected, are electrically isolated. Claim 3: gas cooker or gas hob with piezo ignition of the individual plates, as well as any existing grill and oven-ignition sites according to claim 1 and 2, characterized in that the ansich known thermoelectric elements for safety pilot and their supply lines isolated attached electrically to the general wet are or will be put to the flame of the areas covered with a waermefesten electrically insulating material. Claim 4: gas cooker or gas hob with piezo ignition of the individual plates, as well as any existing grill and oven-Zuendstellen labeled according to claims 1, 2, 3 and 4 in that the ignition spark for contact protection Sonin electrically insulating material to be installed that a rollover in the air with one finger touching Aussenflaechen hoechst most occurring in the voltage of two electrodes under normal conditions does not occur. Claim 5: gas range or high plate with piezoelectric electrical ignition of the individual plates, as well as any existing grill and oven-ignition sites according to claim 1 or claim of 1 and 4 characterized characterized in that the two poles of or the piezoelectric voltage generator opposite the metal parts of the cooker also LIERT also be kept of all connections pipes connected in two or more ignition spark gap.

Earliest Publication Date: 19711028

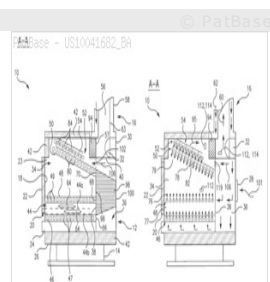
14) Family number: 70706355 (US10041682B)

HIGH EFFICIENCY SOLID FUEL BURNING STOVE WITH OPTIMIZED BURNING CONDITIONS AND LOW LEVEL OF EMISSION

Abstract: Source: US10041682B A solid fuel stove uses a dynamically controlled Combustion Fan and a Smart Controller system for automatic regulation of combustion conditions through the controlled forced air circulation based on sensors readings. The stove also uses emission reducing and efficiency boosting equipment such as a co-axial stack heat recovery sub-system and a self-cleaning particulate collector with enhanced particulates trapping capabilities.

Probable Assignee: UNIV MARYLAND

Earliest Publication Date: 20180807



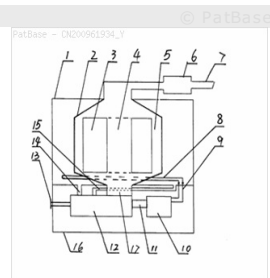
15) Family number: 40984020 (CN200961934Y)

FUEL GAS FUEL OIL INTERNAL COMBUSTION ENGINE THERMOELECTRIC COMBINATION HEATING OVEN

Abstract: Source: CN200961934Y The utility model discloses a thermoelectric combined heating stove with a gas-burning oil-burning combustion engine, which comprises a stove body, wherein a smoke pipe is equipped on the top of the stove body, a gas and fuel oil inlet is arranged below the stove body, a water tank is arranged outside the stove body, a base is arranged under the water tank, wherein the gas-burning oil-burning combustion engine and a generator are equipped in the base, the gas and fuel oil inlet is communicated with the combustion engine which is connected with the generator through a driving shaft, the cooling water inlet and outlet pipes of the combustion engine are respectively communicated with the water tank, an electric heater arranged in the water tank and the stove body is connected with the generator through a conducting wire, an exhaust pipe of the combustion engine is communicated with a branched tube arranged in the stove body, the branched tube is communicated with the smoke pipe on the top of the stove body. Due to the equipment of the gas-burning oil-burning combustion engine, when the gas-burning oil-burning combustion engine is working, The utility model can not only heat up the water in the stove body, but also drive the generator working so that the electric heater can further heat up the water in the water tank and the stove body, thereby improving the heat efficiency of the boiler.

Probable Assignee: LI HAIQING

Earliest Publication Date: 20071017



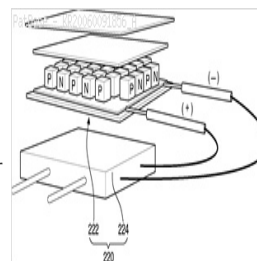
16) Family number: 34135437 (KR20060091856A)

ELECTRIC OVEN RANGE

Abstract: Source: KR100686759B This invention is part of the crater, the top burner on the side of the food served is in contact with the container base parts only, optionally select the enable device equipped with a fever a fever is electric oven range. saw the invention of the electric oven stove, electric oven range (100) being fitted on the upper part of the food served to cook top burner and the courage to dump tire Division (200), and the aforementioned top burners (200) in the work of the above electric oven range (100) to control the operation of the control unit (300) (300) of the above, and the control room is the formation of heat by convection to cook food in the oven (400), and above the oven (400) are fitted on the side of the food stored as (Drawer) (500) and, as mentioned above the top burner (200), the food is in contact with the container base parts neatly, but optionally, select the enable fever fever devices (220), including configuration and Select the fever above devices (220), food served to detect the presence of on the side of courage Award for courage to detect the presence or absence (224) and detects the presence or absence of courage above (224) in conjunction with exothermic reaction causing fever (222) consists of, including. According to this invention, such as electric oven range has the advantage of ease-of-use is the use of. Keywords electric oven stove top burner, select the device, the device detects the presence of fever Department of thermoelectric containers,

Probable Assignee: LG ELECTRONICS

Earliest Publication Date: 20060822



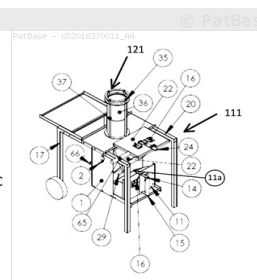
17) Family number: 64430216 (US2016370011A)

MULTI-FUNCTIONAL BIOMASS AND OTHER COMBUSTIBLES STOVE

Abstract: Source: US2016370011A A multi-fuel and multi-purpose fired stove which includes a burn chamber with an adjustable vertical or reciprocating grate (34) that allows for variable fuel delivery having a modular grill chamber 131, modular biomass/bio char bins (11), modular chimney composed of glass, steel or other types of chimney material 121. The multi-purpose stove is design for detachable or permanent fixtures used for a variety of purposes such as, heating, thermoelectrically generation, production of wood gas, distillation, dehydration of organic materials, and smoking of organic materials. The stove allows for customizing different types of fuels and different burning modes. The stove maybe run in top lite updraft mode, down draft stratify mode, cross draft mode, rocket stove or a combination of all four.

Probable Assignee: DAVID GREGORY P

Earliest Publication Date: 20161222



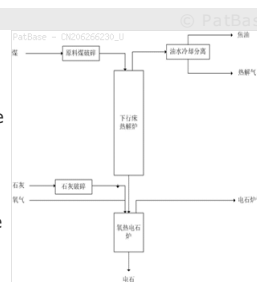
18) Family number: 65024469 (CN206266230U)

PRODUCTION SYSTEM OF CARBIDE

Abstract: Source: CN206266230U The utility model relates to a production system of carbide. The system includes the broken unit of raw materials coal, downer pyrolysis oven, the broken unit of lime, the thermoelectric stone stove of oxygen, and the broken unit of raw materials coal includes raw materials coal entry and fine coal export, the downer pyrolysis oven includes coal entry and high temperature semi -coke outlet, the broken unit of lime includes lime inlet, the export of lime powder, the thermoelectric stone stove of oxygen includes oxygen and lime powder nozzle, hot coke nozzle and carbide discharge gate, oxygen and lime powder nozzle and hot coke nozzle are certainly the top of the thermoelectric stone stove of oxygen is stretched into downwards in the thermoelectric stone stove of oxygen, oxygen and lime powder nozzle link to each other with the lime powder export of the broken unit of lime, and hot coke nozzle links to each other with the high temperature semi -coke outlet of downer pyrolysis oven. The utility model discloses utilize oxygen as the carrier of lime powder, hot powdered coke fluid and miscene are with it sprayed in the offset, are favorable to the contact reaction of lime powder, powdered coke and oxygen to the energy consumption of carbide production process has been reduced.

Probable Assignee: SHENWU ENV TECH CO LTD

Earliest Publication Date: 20170222



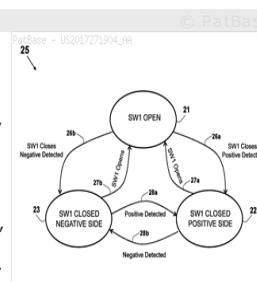
19) Family number: 62004916 (US2017271904A)

A METHOD AND APPARATUS FOR CONTROLLING A LOAD

Abstract: Source: US2017271904A A method and apparatus for switching AC power to a lamp (or other load) via a two terminal switch device. The switch device comprises a first electrically controlled switch, such as a triac or relay, and a second electrically controlled resistance or switch connected in series to the first switch. A diode is connected in parallel to the second switch. When the first switch is open, only a leakage current is flowing through the switch device, supplied to an AC/DC converter for producing a low DC voltage to the switch device logic and other low-voltage circuits and for charging a capacitor. When the first switch is closed, the second switch is controlled to be conductive for allowing powering the lamp from the AC power. During part of a positive half-cycle of the AC voltage, a closed loop regulates a DC voltage over the second switch terminals for providing a low DC voltage for charging a capacitor. At least during a negative half-cycle of the AC voltage, the low DC voltage is provided from the capacitor.

Probable Assignee: SWITCHBEE LTD

Earliest Publication Date: 20160331



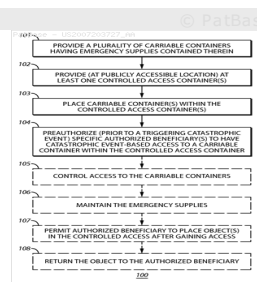
20) Family number: 40797636 (US2007203727A)

EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: Source: US2007203727A One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.

Probable Assignee: SOVEREIGN DEED LLC

Earliest Publication Date: 20070830



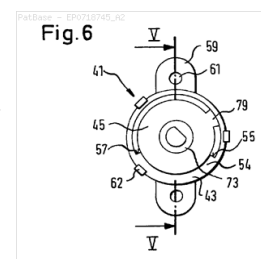
21) Family number: 17189875 (EP0718745A2)

GAS STOVE WITH SWITCHING UNIT

Abstract: The gas cooker has a gas hob incorporated in a work surface and an oven fitting into an oven housing unit, at least one gas tap operated via a rotary switch (41) incorporated in a front control panel. The range of rotation of the gas tap is limited via a pair of stops, the control switch having a zero stop (55) and an end stop (57), for limiting the rotation range of the gas tap. Pref. the switch knob can be depressed for operation of an ignition device.

Probable Assignee: BSH BOSCH UND SIEMENS HAUSGERAETE GMBH

Earliest Publication Date: 19950330



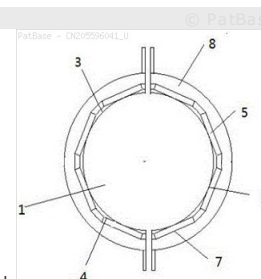
22) Family number: 63616128 (CN205596041U)

OUTDOOR FAGGOTS STOVE WASTE HEAT POWER GENERATION DEVICE

Abstract: Source: CN205596041U The utility model discloses an outdoor faggots stove waste heat power generation device, including first heat -conducting layer, heat transfer unit (HTU), second heat -conducting layer, thermoelectric power generation piece, third heat -conducting layer, heat abstractor, electric output device, the laminating of first heat -conducting layer is at the heat transfer unit (HTU) internal surface, the laminating of second heat -conducting layer is in the hot junction of thermoelectric power generation piece, the laminating of third heat -conducting layer is at the cold junction of thermoelectric power generation piece, the wire of thermoelectric power generation piece links to each other with electric output device, can give midget plant replenishing power supply such as outdoor crowd's cell -phone, the treasured that charges through electric output device's usb interface, the utility model provides an outdoor faggots stove waste heat power generation device can carry out the effective recycling electricity generation to the unnecessary heat source in outdoor faggots stove oven surface, has promoted the heat utilization efficiency of comburent, and device simple structure is practical, easily carries, quick detachable.

Probable Assignee: UNIV XIHUA

Earliest Publication Date: 20160921



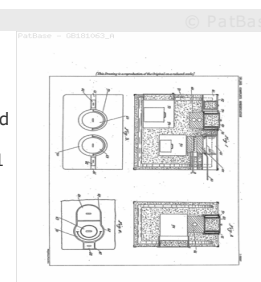
23) Family number: 18263539 (GB181063A)

THERMO-ELECTRIC HEAT ACCUMULATING COOKING STOVES

Abstract: Source: GB181063A 181,063. Sacerdote, S., and Cristiani, S. Feb. 15, 1921. Electric hot - plates; resistance ovens.-Relates to electric cooking- stoves of the type in which the heat generated by the current is stored in a metallic mass surrounded by heatinsulating material in which cooking-spaces are arranged. According to the invention the cooking-spaces 65, Fig. 1, located in the upper part of the stove are provided with narrow openings 61 extending through the side-wall of the stove and adapted to receive the handle of a cooking-utensil, such as a sauce-pan or frying- pan, the spaces 61, 65 being normally occupied by heat-insulating pieces 62, 69. Fig. 3, respectively. The insulating-cover 69 may be formed in two parts 69, 70, the inner only of which need be removed when a small cooking-utensil is being heated. Two cooking-spaces 67, 68 may be arranged to communicate with one another as shown in Fig. 4 when it is necessary to accommodate a vessel of oblong or other unusual shape. Additional chambers 73, 75 may be disposed in the insulating material at suitable distances from the masses 66 according to the temperature required. In the arrangement shown, the space 75 is located directly beneath a mass 66 to serve as an oven while the luke-warm space 73 is located at some distance from the masses 66 and on one side adjoins the water-containing space 71 which, in known manner, is provided to equalize the temperature.

Probable Assignee: SECONDO SACERDOTE

Earliest Publication Date: 19220615



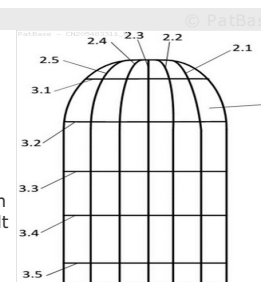
24) Family number: 62266682 (CN205483311U)

GASIFIER OVEN FAULT?MONITORING POSITIONER BASED ON NET IS PATROLLED AND EXAMINED

Abstract: Source: CN205483311U The utility model discloses a gasifier oven fault?monitoring positioner based on net is patrolled and examined. The oven is along transversely and vertically being equipped with a plurality of temperature sensor, and temperature sensor is connected to the host computer through thermocouple measurement instrument and low thermoelectric force scanning device in proper order, and temperature sensor adopts continuous thermocouple, and horizontal temperature sensor and fore -and -aft temperature sensor intercrossing form network structure, and the installation is fixed in the gasifier oven. The utility model discloses can realize that gasifier stove wall temperature degree exists the real -time?supervision and the location of unusual fault point, solve the problem of gasifier oven localization of fault difficulty among the prior art, and need not further to fix a position with the help of other instruments that monitoring method is simple effective, the accuracy of measuring the location is good.

Probable Assignee: UNIV JILIANG CHINA

Earliest Publication Date: 20160504



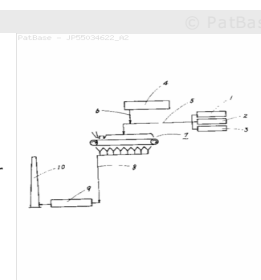
25) Family number: 6671631 (JP55034622A)

IRON ORE SINTERING METHOD

Abstract: Source: JP55034622A PURPOSE: To make exhaust gas denitrating apparatus for a coke oven etc. unnecessary by utilizing NO_x -contg. exhaust gases from coke oven in an iron mill, a thermoelectric power plant, etc. as air for an iron ore sintering machine to reduce the NO_x to N in the reduction zone of the machine. CONSTITUTION: Hot exhaust gases from coke oven 1, hot stove 2 and thermoelectric power plate 3 are used as air for iron ore sintering machine 7 together with air or oxygen 4. Since the exhaust gases contain NO_x, denitrating apparatus are set usually to reduce the NO_x to N. In machine 7 the NO_x are reduced to N in the reduction zone of a sintering layer. NO_x generated in the oxidation zone of machine 7 are, however, reduced to N in denitrating apparatus 9. By this system denitrating apparatus for coke oven 1, etc. are made unnecessary, thereby lowering equipment and denitration running costs.

Probable Assignee: KAWASAKI STEEL CO

Earliest Publication Date: 19800311

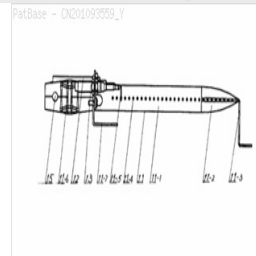


26) Family number: 42465490 (CN201093559Y)

PatBase - CN201093559_Y

COMBUSTOR FOR COMBINED TYPE GAS STOVE, BAKE OVEN

Abstract: Source: CN201093559Y The utility model relates to an inflamer used on a combined type gas cooker and an oven, which belongs to gas appliance manufacturing. The inflamer is a long tubular body, a pressure tank is arranged at the front-end thereof, and the back-end thereof is a ligulate body; symmetrical combustion holes and a gap are arranged on two sides of the tubular body; a support grillage, an ignition pin component and a thermoelectric couple are arranged in front and at the back of the tubular body. The utility model has novel design, reasonable structure, good combustion effect and fast baking speed. The inflamer of the utility model comprises a box body (1), the gas cooker (4), the oven (5) and a combustion chamber, etc. The utility model is characterized in that: the inflamer (11) is connected in a baking chamber (9) of the oven (5); the inflamer (11) comprises a pipe shaft (11-1), a ligulate pipe tail (11-2) and an L-shaped shoe plate (11-3); the pipe shaft (11-1) is connected with the pipe tail (11-2), and the pipe tail (11-2) is vertically connected with the L-shaped shoe plate (11-3); the symmetrical combustion holes (11-4) are arranged on both sides of the pipe shaft (11-1) and the pipe tail (11-2); the gap (11-5) and the pressure tank (11-6) are arranged on the pipe shaft (11-1); a mounting frame (11-7) is arranged on the front-end of the pipe shaft (11-1).



Probable Assignee: ZHONGSHAN BYDE GAS APPLIANCE C

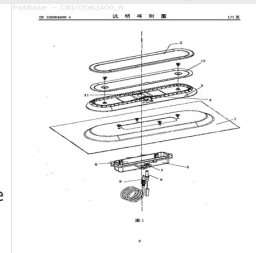
Earliest Publication Date: 20080730

27) Family number: 48932496 (CN102062400A)

PatBase - CN102062400_A

ENERGY-SAVING COMBUSTOR FOR STEAMING AND FRYING FISH

Abstract: Source: CN102062400A The invention provides an energy-saving combustor for steaming and frying a fish, relating to the field of cooker combustors. The energy-saving combustor structurally comprises an oven surface, a combusting main body is arranged on the oven surface; the upper part of the combusting main body is provided with a cap; the combusting main body is internally provided with a venturi effect cavity; the venturi effect cavity is communicated with a head positioned below the oven surface; the head is internally provided with an air cavity; an igniting magnetic needle and a thermoelectric couple are fixed on the outer wall of the head through fasteners; and the combusting main body and the cap positioned on the upper part of the combusting main body are both in strip shapes. Compared with the prior art, the invention has the advantages of reasonable design, simple structure, sufficient combustion, suitability for the steaming and the frying of fishes and uniform heating.



Probable Assignee: HONGXU YE

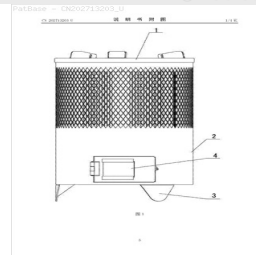
Earliest Publication Date: 20110518

28) Family number: 52936053 (CN202713203U)

PatBase - CN202713203_U

THERMOELECTRIC GENERATION FURNACE

Abstract: Source: CN202713203U The utility model discloses a poor hair hot furnace, including the furnace, roof, thermoelectric power generation films, heat sink and power output interface, the temperature difference between the hot end and the outer wall of the furnace generation chip is connected, the temperature difference temperature side power chip connected with the heat sink, the thermoelectric power generation sheet supply output terminal is connected to the inner end of said power output interface. The utility model will be transformed into a more traditional heating stove with oven, at the same time to meet the heating needs, but also through a thermoelectric power generation chip will heat into electricity for lighting or charging, etc., to achieve a multi-purpose furnace, rational and efficient use of the thermal energy, the overall savings in energy, help reduce costs and environmentally friendly. The utility model is especially suitable for colder countryside, the agricultural waste such as straw combustion in the furnace body into heat, providing energy to meet the heating needs while.



Probable Assignee: CHENGDU AEROSPACE FENGHUO PREC ELECTROMECHANICAL CO LTD

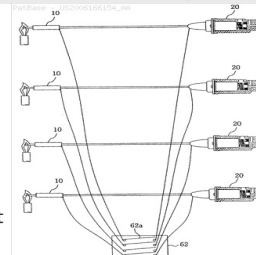
Earliest Publication Date: 20130130

29) Family number: 30498225 (US2006166154A)

PatBase - US2006166154_A

OVERHEAT PREVENTION APPARATUS AND GAS RANGE HAVING THE OVERHEAT PREVENTION APPARATUS

Abstract: Source: US2006166154A An overheat prevention apparatus, in which if the user forgets to turn off a gas range, fire of a burner is automatically extinguished after an operating time set by a user in advance lapses, thereby preventing accidents from occurring. The overheat prevention apparatus includes a thermocouple, which is installed at the burner of the gas range; a magnetic opening/closing unit, which generates a magnetic force due to the thermoelectromotive force of the thermocouple so as to selectively open or close a gas supply passage; and a timer switch, which is installed between an output terminal of the thermocouple and an input terminal of the magnetic opening/closing unit, electrically disconnects circuits the two terminals in an "OFF" status and an end-of-set status, and electrically connects the two terminals while a time setup is maintained.



Probable Assignee: JIN HA PARK

Earliest Publication Date: 20030919

30) Family number: 23072059 (FR1323235A)

PatBase - FR1323235_A

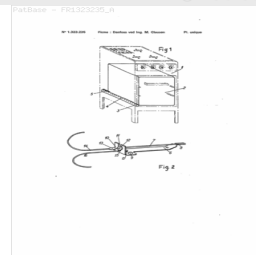
PERFECTIONNEMENTS APPORTES AUX CUISINIÈRES A GAZ A CHAMBRE CHAUFFANTE ET AUX COUPLES THERMO-ELECTRIQUES QU'ELLES COMPORTENT IMPROVEMENTS TO COOKING GAS CHAMBER HOT COUPLES AND THERMO-ELECTRIC THEY CONTAIN (MACHINE TRANSLATION)

Abstract: Source: FR1323235A (Claim 1) 1 La lame métallique comporte des trous ou des entailles pour assurer la fixation en place du couple;

Machine translation: (Claim 1) a metal blade has holes or slots for fixing up the couple;

Probable Assignee: DANFOSS VED ING M CLAUSEN

Earliest Publication Date: 19630405



31) Family number: 15465670 (DE10012485A1)

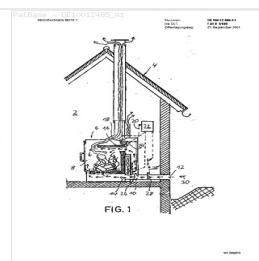
PatBase - DE10012485_A1

COMBUSTION AIR SUPPLY CONTROLLER FOR FIREPLACE, STOVE ETC. REGULATES AIR INFLOW INTO COMBUSTION CHAMBER BASED ON MEASURED TEMPERATURE IN CHAMBER

Abstract: Source: DE10012485A1 A sensor (18) detects the temperature in the combustion chamber. A controller (22) controls a blocking device which is movable between a blocking position and an open position in a channel (10) for supply of outside air into the combustion chamber. The controller controls the blocking device in accordance with the measured temperature.

Probable Assignee: HEYBEY HEIKO

Earliest Publication Date: 20010927



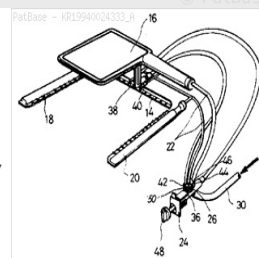
32) Family number: 66793666 (KR19940024333A)

GRILL-MOUNTED INNER GAS SUPPLY GAS BLOWING THROUGH THE GRILL BURR (MACHINE TRANSLATION)

Abstract: Source: KR19940024333A The present invention is attached to the draw apparatus for supplying a gas stove relates more specifically to a single gas cock by adjusting the four transceiver you ever been made, provides the convenience of a cooking oven broiler grill-mounted relates to a gas supply device, the gas used in the prior art, each of the burrs cock connected one by one with respect to the gases to be used because the number of the alkoxysilane have been more significantly, each of the transceiver to operate during operation of the toner was inconvenient to use because it is attached to each of the toner by operating the gas cock, so formed of a pressure-sensitive digestion of self-extinguishing after storing the gas cock, so there cooking the cooking on the gas sensitive digestion and pay attention to the attachment plate to the cock is attached to a number of gas cock (not easy assembly and disassembly is inconvenient, operation and grill section 10, 12, does not overturn water cooking grill (10) and both ends of the upper and the lower connecting to achieve flame of the flame propagation and the non-shifting is provided with a (14) to the upper surface of the guyipan guyipan that the ceramic piece 12, inner 16 and both end faces of the burr (burr (secure each grilling process, the pipe tubing 22 is installed to control the supply and interruption via gas Gas cock (24) connected to the gas cock (24) is connected to the elbow 26 to accommodate a (14)(16)(18)(20) you configure each one of the gas cock simultaneously or in part as a number of burrs thee to suit the characteristics of the roasted digestion and to operate in one of the gas cock stressed that can be connected to a single thermoelectric Taiwan, there is a characteristic that it is possible to comply with.

Probable Assignee: TONG YANG MAGIC CO LTD

Earliest Publication Date: 19941118



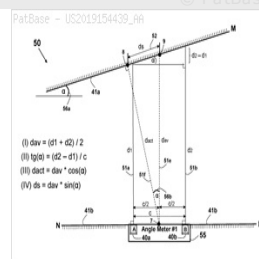
33) Family number: 66904727 (US2019154439A)

A METHOD AND APPARATUS FOR COOPERATIVE USAGE OF MULTIPLE DISTANCE METERS

Abstract: Source: US2019154439A A method and apparatus for an angle meter cooperatively using two or more non-contact distance meters for measuring distances to a surface along substantially parallel lines. The measured distances are used for estimating or calculating the angle to the surface and the distance to the surface. The distance meters may use optical means, where a visible or non-visible light or laser beam is emitted and received, acoustical means, where an audible or ultrasound sound is emitted and received, or an electromagnetic scheme, where radar beam is transmitted and received. The distances may be estimated using a Time-of-Flight (TOF), homodyne or heterodyne phase detection schemes. The distance meters may share the same correlator, signal conditioning circuits, or the same sensor. Two or more angle meters may be used defining parallel or perpendicular measurement planes, for measuring angles between surfaces, and for estimating physical dimensions such as length, area or volume.

Probable Assignee: MAY PATENTS LTD

Earliest Publication Date: 20170908



34) Family number: 57710217 (US2014325987A)

HYDROGEN JET PROPULSION SYSTEM

Abstract: Source: US2014325987A A propulsion system for watercraft that uses steam generated from low energy reactor to enable long range high power propulsion. The system preferably uses steam generated from a low energy reactor to provide on-demand steam generated without external power.

Probable Assignee: BLUE HORIZON INNOVATIONS LLC

Earliest Publication Date: 20141106

