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Database: EPODOC

[EPODOC: SS 1] /ic A47J37/07

Results in EPODOC 13.994

[SS 2] Roaster or oven or grilling

Results in EPODOC 160.112

[SS 3] 1 and 2

Results in EPODOC 2.411

[SS 4] (lifting or elevation) and 3

Results in EPODOC 56

[SS 5] folding and 4

Results in EPODOC 6

[SS 6] ..li



1/6 © EPODOC / EPO

PN - [CN206026116U](#) U 20170322

PR - CN20162779995U 20160722

AP - CN20162779995U 20160722

DT - I

PA - HUTIANSHUANG

TI - Foldable barbecue **oven**

AB - The utility model discloses a foldable barbecue **oven**, including the furnace body, install charcoal brazier in the furnace body, install the roast net on the charcoal brazier and be used for supporting the stove foot of furnace body, roast online horizontal or longitudinal tie has a roast net bracing piece of two at least U types, rotation through roast net bracing piece realizes upwards **lifting** up of roast net or covers downwards in roast net installation, at the articulated roast net handle in the relative both sides of roast net, roast net handle is realized expanding or is **folding** through rotating, the stove foot is collapsible, telescopic stove foot, including left foot subassembly, right crus of diaphragm subassembly and be used for connecting the foot fixed bolster of furnace body and left foot subassembly, right crus of diaphragm

subassembly, places the furnace body bottom in after the shrink of stove foot is **folding**, sparingly carries the space, makes people's barbecue journey more light. During the use, launch the left and right foot subassembly of stove foot, detain the relative position cruciate fixation who makes left and right foot subassembly in the card of location through the locating lever, it is tensile with the bracing piece again, form stable triangular supports structure, launch easy and simple to handlely, facilitate the use.

2/6 © EPODOC / EPO

- PN - [CN204091783U](#) U 20150114
- PR - CN20142543831U 20140922
- AP - CN20142543831U 20140922
- DT - I
- PA - HU XIAODONG
- TI - Portable multifunctional barbecue **oven**
- AB - The utility model discloses a portable multifunctional barbecue **oven**. The portable multifunctional barbecue **oven** is characterized by comprising an **oven** body and a carrying plate; the bottom of the **oven** body is provided with **folding** bases; the **folding** bases are connected with supporting legs; the supporting legs on the two sides are each provided with a fixed connecting cross bar; each fixed connecting cross bar is provided with hanging hook insertion holes; the carrying plate is provided with hanging holes and is suspended onto the fixed connecting cross bars through hanging hooks; the left side and the right side of the **oven** body are provided with vent holes, and are provided with left **lifting** handle insertion holes and right **lifting** handle insertion holes respectively; a left **lifting** handle and a right **lifting** handle are mounted in the left **lifting** handle insertion holes and the right **lifting** handle insertion holes respectively; the front side and the rear side of the **oven** body are provided with front **lifting** handle insertion holes and rear **lifting** handle insertion holes respectively, and a front **lifting** handle and a rear **lifting** handle are mounted in the front **lifting** handle insertion holes and the rear **lifting** handle insertion holes respectively; a carbon grill is placed in the **oven** body, and a baking net is arranged at an upper port of the **oven** body. Compared with the prior art, the portable multifunctional barbecue **oven** has the advantages of being ingenious in structural design, and convenient to fold, store and carry; meanwhile, the portable multifunctional barbecue **oven** has the functions of the carrying plate, a seasoning plate, a table top and the like when unfolded, thereby being high in practicality.

3/6 © EPODOC / EPO

- PN - [CN102525290](#) A 20120704
- PR - CN20101586117 20101214
- AP - CN20101586117 20101214
- DT - I
- PA - JING CHEN
- TI - **Folding** type portable **oven**
- AB - The invention relates to a barbecue tool, in particular to a **folding** type portable **oven**. The **folding** type portable **oven** is characterized by comprising a box body, a box cover

and a grill, wherein a support frame is movably connected with the two sides in the box body respectively; the middle part of the side of the support frame close to the box cover is hinged with the box cover; a multi-layer buckle is arranged on each support frame; the grill is connected with the support frames through the buckles; a fixing seat for fixing the barbecue tool is arranged on the inner side of the box cover; the bottom of the box body is hinged with symmetric support legs; and a **lifting** handle is arranged on the side surface of the box body. The **folding** type portable **oven** has simple structure and small volume, is convenient to use and carry, does not require much time in assembly or disassembly, and saves time and labor, thereby being very suitable for people to take outside.

4/6 © EPODOC / EPO

- PN - [CN2438402Y](#) Y 20010711
- PR - CN2000245477U 20000821
- AP - CN2000245477U 20000821
- DT - I
- PA - JINZHONG QIU [CN]
- TI - **Roaster**
- AB - The utility model provides a meat baking stove, which is a box-shaped stove. The bottom surface of the utility model is provided with a **folding** foot frame with wheels and a positioning piece, wherein, the top surfaces of the right side and the left side of the stove are provided with frames which are folded and turned outwards and are opposite, the top surface of the rear side of the stove is provided with a blocking part which is folded and turned inwards, the stove can provide a meat baking net for buckling and spacing, and both sides of the front end of the meat baking net are provided with inverse buckles. In addition, the outside of the front side of the stove is provided with a **lifting** handle, the middle of the left outside and the right outside of the stove is respectively provided with an inserting trough which can be used for assembling fittings such as a meat baking hanging basket, etc. Closed space is formed by using the meat baking net and the frames, fittings for use can be put in the space, the stove is tidied, wheels are arranged under the foot frame which can be folded, and the utility model can be dragged for walking.

5/6 © EPODOC / EPO

- PN - [US6945243](#) B1 20050920
- PR - US20040765408 20040127
- AP - US20040765408 20040127
- DT - *
- CT - [US1284299](#) A []; [US1924824](#) A [];
[US2020503](#) A []; [US3880139](#) A [];
[US4539901](#) A []; [US5241948](#) A [];
[US5458054](#) A []; [US5947105](#) A [];
[US2002020405](#) A1 []; [JPH0742474](#) A []
- CCI - [F24B1/205](#) ; [A47J37/0623](#) ; [A47J37/0704](#)
- CCA - [A47J37/043](#) ; [A47J2037/0777](#)

- TI - Dutch **oven** stand
- AB - A portable Dutch **Oven** stand comprising a low aspect ratio and few parts which are integrally pieced together into one transportable unit. In a preferred form the Dutch **Oven** Stand includes a tray for holding cooking fuel (typically charcoal briquettes) at a safe distance from the ground while also maintaining such fuel from falling onto the ground, and while also supporting at least one Dutch **Oven** during cooking. The Dutch **Oven** stand also comprises **folding** legs permanently attached to the tray, a leveling means forming a part of the tray to level the stand prior to cooking, and a rotatable platform assembly for rotating a Dutch **Oven** while on the stand without **lifting** the Dutch **Oven** from the stand.

6/6 © EPODOC / EPO

- PN - [CN2710506Y](#) Y 20050720
- PR - CN2004272283U 20040729
- AP - CN2004272283U 20040729
- DT - I
- PA - MAI ZHENGHUI [CN]
- TI - **Folding roaster**
- AB - The utility model discloses a **folding roaster**, comprising a **roaster** body. The left and right ends of the upper end of the **roaster** body are provided with a left outer case and a right outer case. The **roaster** is provided with a shaft and the left and right outer cases are connected with the **roaster** body by the shaft. The outer case is provided with a left bracket and a right bracket. The **folding roaster** is characterized in that the **roaster** body is also provided with a **lifting** lamp bracket, the **lifting** lamp bracket is provided with a light assembly and the lower end of the lamp bracket is provided with a **folding** supporting rod. The utility model has the advantages that the **folding roaster** has simple structure, and because the **folding roaster** body is provided with the lamp bracket for adjusting the height and the lamp bracket is provided with the light assembly, the range of irradiation of the light is greatly enlarged and then people can use the **folding roaster** outdoor more conveniently. Besides, when the **roaster** is not used, the lamp bracket for adjusting the height can be folded and then the structure of the **folding roaster** is more compact and portable and the **folding roaster** also has stronger practicability.

[SS 6] ..v

[EPODOC: SS 6] 4

Results in EPODOC 56

[SS 7] ..li



1/56 © EPODOC / EPO

- PN - [WO2018148111](#) A1 20180816
- PR - US201762455591P 20170207; US201815885082 20180131

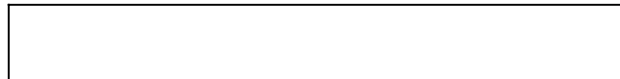
AP - WO2018US16570 20180202
 DT - **
 CUI - [A47J36/08](#) ; [A47J36/26](#) ; [A47J37/0704](#) ; [F24B1/003](#)
 PA - SAMARAWEERA ANURA [US]
 TI - STOVE TOP BBQ
 AB - A stove top barbeque (10) may be used with common stoves to provide grilled cooking results. The stove top barbeque (10) includes a base (14), a lid (28), and a grate (12) for supporting food. The base (14) includes lower flutes (20a-20c) for catching liquids, and inverted upper flutes (22a-22c) above the lower flutes (20a-20c) to guide the liquids into the lower flutes (20a-20c). The lower flutes (20a-20c) are staggered upwards from the middle pair outwards to distribute the flame below more evenly. This configuration allows for direct flame-**grilling** of food placed on the grate (12). The upper and lower flutes (20a-20c), (22a-22c) have a gradual slope to carry liquids to a trough (24) along the front of the stove top barbeque (10). The grate (12) lifts off for cleaning. The lid (28) has an open position and a closed position over the base (14) and is removable by **lifting** from the base (14). A catch (36) holds the lid (28) open in a nearly vertical position to drain condensation.

2/56 © EPODOC / EPO

PN - [US2018224126](#) A1 20180809
 PR - US201815885082 20180131; US201762455591P 20170207
 AP - US201815885082 20180131
 DT - *; Rep
 CUI - [A47J36/08](#) ; [A47J36/26](#) ; [A47J37/0704](#) ; [F24B1/003](#)
 PA - SAMARAWEERA ANURA [US]
 TI - Stove Top BBQ
 AB - A stove top barbeque may be used with common stoves to provide grilled cooking results. The stove top barbeque includes a base, a lid, and a grate for supporting food. The base includes lower flutes for catching liquids, and inverted upper flutes above the lower flutes to guide the liquids into the lower flutes. The lower flutes are staggered upwards from the middle pair outwards to distribute to distribute the flame below more evenly. This configuration allows for direct flame-**grilling** of food placed on the grate. The upper and lower flutes have a gradual slope to carry liquids to a trough along the front of the stove top barbeque. The grate lifts off for cleaning. The lid has an open position and a closed position over the base and is removable by **lifting** from the base. A catch holds the lid open in a nearly vertical position to drain condensation.

3/56 © EPODOC / EPO

PN - [CN107854002](#) A 20180330
 PR - CN201711098301 20171109
 AP - CN201711098301 20171109
 DT - I
 CNOI - [A47J37/04](#) ; [A47J37/0763](#) ;
[A47J37/0786](#)



PA - WENZHOUC HUYING TECH CO LTD

TI - Solar steel pipe oven

AB - The invention discloses a solar steel pipe oven. The oven comprises an oven main body, a base frame and a support frame; the oven main body is arranged on the upper surface of the base frame, the bottom of the base frame is in threaded connection with the support frame, the oven main body comprises an oven body support, a reflector, a vacuum tube oven and a barbecue grill. Accordingly, by means of design of combining the oven main body, the base frame and the support frame, the base frame and the support frame are designed to be of a detachable connection structure, when the oven is carried, the occupied space is small, and carrying is better facilitated; meanwhile, the support frame adopts structural design of a lifting frame and an angle adjusting frame, the oven main body can be adjusted in height and angle, the angle adjusting frame adopts design of combining a base plate base and three angle adjusting supporting feet, and angle adjustment can be conducted easily on some uneven grounds.

4/56 © EPODOC / EPO

PN - [US2018070769](#) A1 20180315

PR - US201615260585 20160909

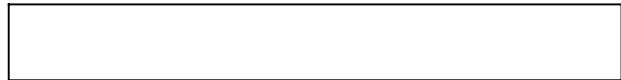
AP - US201615260585 20160909

DT - *; Rep

CT - || R141 (A1)
[US3152536](#) A 19641013 [
] (LUCAS DON D)

CCI - [A47J37/0704](#)

CCA - [A47J2037/0795](#)



PA - LOPEZ CHARLES [US]

TI - Adjustable Height **Grilling** Grate Assembly

AB - An adjustable height **grilling** grate assembly includes a grate having a perimeter edge. A lift is attached to the grate for **lifting** or lowering the grate. The lift comprises a pair of vertical supports and a spindle is rotatably attached to and extends between each of the vertical supports. A pair of cables is attached to the spindle and are wound onto the spindle when the spindle is rotated in a first direction and unwound from the spindle when the spindle is rotated in a second direction. Each of the cables terminates with a connector and the connectors are attached to the grate. A pair of couplers is provided and each the vertical supports has one of the couplers slidably mounted thereto. The couplers engage the perimeter edge of the grate to retain the grate in a horizontal orientation when the vertical supports are in a vertical orientation.

5/56 © EPODOC / EPO

PN - [CN107485306](#) A 20171219

PR - CN20171747897 20170828

AP - CN20171747897 20170828

DT - I

CNOI - [A47J37/0722](#) ; [A47J37/0786](#) ; [H01L31/042](#)

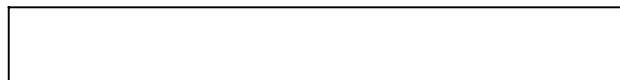
CCA - [Y02E10/50](#)

CNOA - [A47J2037/0777](#)

PA - YANGZHOU BAOAMAC ELECTRONICS CO LTD

TI - **Oven** applicable to outdoor environment

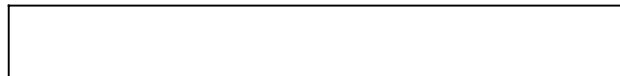
AB - The invention discloses an **oven**



applicable to the outdoor environment. The **oven** includes an **oven** body, a **lifting** mechanism is arranged below the **oven** body, and one side of the **oven** body is provided with a power generation mechanism; the power generation mechanism comprises a solar panel, and a connecting mechanism is arranged between the solar panel and the **oven** body; the connecting mechanism consists of a U-shaped support and a shell, the shell is arranged on one side of the **oven** body, a first connecting assembly is arranged between the shell and the U-shaped support, and a second connecting assembly is arranged between the U-shaped support and the solar panel; the first connecting assembly comprises a limiting block, a pushing block, a pushing rod, a fixing rod and a plurality of fixing blocks, and by means of the power generation mechanism, the battery life of the **oven** can be prolonged; meanwhile, by means of the connecting mechanism, the solar panel can be flexibly retracted, and the practicability of the **oven** is improved. The **oven** applicable to the outdoor environment is reasonable in design, and suitable for application and popularization.

6/56 © EPODOC / EPO

PN - [CN206621247U](#) U 20171110
 PR - CN201621485316U 20161231
 AP - CN201621485316U 20161231
 DT - I
 PA - SHANGHAI CHUPEIHONG INT
 TRADE CO LTD
 TI - Omnipotent smokeless **oven**



AB - The utility model relates to an omnipotent smokeless **oven**, it includes furnace base, wherein, the rear panel, bottom surface board and two blocks of side boards, side intralamellar part cavity, the side intralamellar part is equipped with the montant perpendicularly, the furnace base top is equipped with the stove top, montant upper end and stove top both sides limit sliding connection, the montant lower extreme is through first bolt and transfer line one end swing joint, the transfer line is equipped with rectangular groove with the montant junction, the transfer line middle part still is equipped with a draw-in groove, the side intralamellar part still is equipped with **lifting** handle, second bolt and side board swing joint are passed through to **lifting** handle one end, the second bolt fastening is in the side inboard, the **lifting** handle other end is located outside the opening, be equipped with water in the oil collection pan, on carbon can not fallen to the oil that falls, reduce the volume of oil smoke during brochette, improve the environment of barbecue, pull **lifting** handle, the spring drives the transfer line, and transfer line drive montant slides in the slide and drives the stove top lift, low cost, and the practicality is stronger.

7/56 © EPODOC / EPO

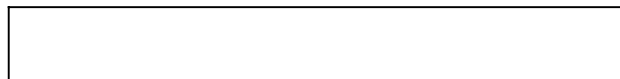
PN - [CN107238115](#) A 20171010

PR - CN20161180096 20160328

AP - CN20161180096 20160328

DT - I

CNOI - [A47J37/07](#) ; [F24C3/082](#)



PA - WANG WENDONG

TI - **Lifting** gas barbecuing tray for combined type barbecue **oven**

AB - The invention discloses a **lifting** gas barbecuing tray for a combined type barbecue **oven**. The **lifting** gas barbecuing tray is composed of a bottom tray, a crankshaft, a gas fire tube and a fire baffle. The crankshaft is arranged on the upper edge of the bottom tray, the gas fire tube is provided with the fire baffle, and the gas fire tube and the fire baffle are connected to the crankshaft through a clamping piece. When the crankshaft is rotated, the gas fire tube and the fire baffle can ascend from the interior of the bottom tray and can also descend into the bottom tray, in this way, the height of burning flame in the barbecue **oven** can be adjusted during barbecuing, the firepower is adjusted conveniently, and an embedded soup pot is heated conveniently; and after barbecuing is completed, the gas fire tube and the fire baffle descend into the bottom tray, and storing and carrying are facilitated.

8/56 © EPODOC / EPO

PN - [CN107049060](#) A 20170818

PR - CN20171342712 20170516

AP - CN20171342712 20170516

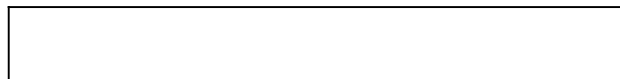
DT - I

CNOI - [A47J37/0763](#) ; [A47J37/0786](#)

PA - ZHANGYANGKANG

TI - Multi-functional outdoor baking furnace

AB - The invention discloses a multi-functional outdoor baking furnace. The multi-functional outdoor baking furnace



comprises a base, on which a furnace frame is arranged. The furnace frame is provided with a furnace body. The furnace body comprises a furnace cover, a baking net layer, a combustion chamber and a main control panel from the top to the bottom. The furnace cover is provided with an air exhaust hole and a **lifting** handle. The main control panel is provided with multiple electric buttons. Two ends of the combustion chamber are provided with a first side furnace panel and a second side furnace panel. The first side furnace panel and the second side furnace panel are movably provided with side furnaces. The first side furnace panel is provided with a flat baking pot. The second side furnace panel is provided with a combustion **oven**. The bottom ends of side furnaces are provided with multiple hooks. The multi-functional outdoor baking furnace has the following beneficial effects: food or flavorings can be placed; and the multi-functional usage feature is obtained; and the recruitment for using the furnace is met.

9/56 © EPODOC / EPO

PN - [CN106880299](#) A 20170623

PR - CN20151936426 20151216

AP - CN20151936426 20151216

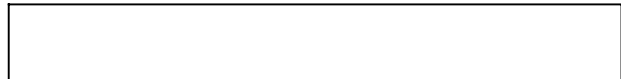
DT - I

CNOI - [A47J37/0763](#)

PA - QINGDAO LIANZHENG CENTURY
IND & TRADE CO LTD

TI - Portable **oven**

AB - The invention discloses a portable **oven**, which is composed of an **oven** body,



an **oven** bottom, a meat roasting net and **lifting** handles, wherein the **oven** body serves as a main body of the **oven**; the **oven** bottom is arranged at the lower side of the **oven** body; the part, close to the **oven** body, of the upper side of the **oven** body is provided with the meat roasting net, and the part, adjacent to the meat roasting net, of the topmost part is provided with the **oven** cover; and the handles are arranged on the **oven** cover. In normal times, the **oven** can be folded; the **oven**, when used, can be unfolded, and the two **lifting** handles are connected to two sides of the **oven** body; the portable **oven** is small in volume, convenient to carry and is environment-friendly and sanitary; various barbecues can be conducted, such as used for roasting kebabs, frying eggs and the like; and the **oven**, suitable for the mass, is beautiful and elegant and is simple to operate.

10/56 © EPODOC / EPO

PN - [KR101715572B](#) B1 20170322

PR - KR20160131319 20161011

AP - KR20160131319 20161011

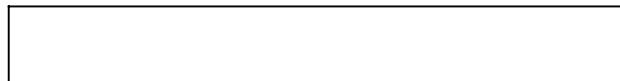
DT - I

CT - || STSE (B1)
[KR20140008785](#) A 20140122 [
] (PARK JUNG YEOL [KR]);
[KR990024030U](#) U 00000000 [];
[KR20140146882](#) A 20141229 [
] (PARK JUNG YEOL [KR]);
[JP2015004493](#) A 20150108 [
] (CORONA CORP)

PA - PARK JONG CHAN [KR]

TI - **Roaster** with a two-way **lifting** structure

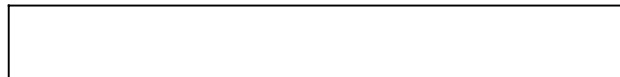
AB - The present invention relates to a **roaster** for roasting various



kinds of meat or fish and others.
More specifically, the **roaster** of the present invention has an elevating means installed inside a body, and enables a roasting stand, on an upper part of the elevating means, to be seated and elevated upward. Therefore, the **roaster** of the present invention is able to control heating power applied to a roasted object, depending on distance control between the roasting stand and a flame unit, and accordingly control of a roasting speed and control of a flame according to the roasting type are possible. Furthermore, the present invention relates to a two-way **roaster** having a structure for elevating the roasting stand, when using the **roaster**, enables food containing liquid to be cooked, and enables the roasted object, which was roasted when needed, to be stored, while keeping warm.

11/56 © EPODOC / EPO

PN - [CN206026116U](#) U 20170322
PR - CN20162779995U 20160722
AP - CN20162779995U 20160722
DT - I
PA - HUTIANSHUANG
TI - Foldable barbecue **oven**
AB - The utility model discloses a foldable barbecue **oven**, including the furnace body, install charcoal brazier in the furnace body, install the roast net on the charcoal brazier and be used for supporting the stove foot of furnace body, roast online horizontal or longitudinal tie has a roast net bracing piece of two at least U types, rotation through roast net bracing piece



realizes upwards **lifting** up of roast net or covers downwards in roast net installation, at the articulated roast net handle in the relative both sides of roast net, roast net handle is realized expanding or is folding through rotating, the stove foot is collapsible, telescopic stove foot, including left foot subassembly, right crus of diaphragm subassembly and be used for connecting the foot fixed bolster of furnace body and left foot subassembly, right crus of diaphragm subassembly, places the furnace body bottom in after the shrink of stove foot is folding, sparingly carries the space, makes people's barbecue journey more light. During the use, launch the left and right foot subassembly of stove foot, detain the relative position cruciate fixation who makes left and right foot subassembly in the card of location through the locating lever, it is tensile with the bracing piece again, form stable triangular supports structure, launch easy and simple to handlely, facilitate the use.

12/56 © EPODOC / EPO

PN - [TWM533477U](#) U 20161211
 PR - TW20160209335U 20160622
 AP - TW20160209335U 20160622
 DT - I
 PA - CSPS CO LTD [TW]
 TI - **Lifting** type dual-purpose stove for smoking and **grilling**

13/56 © EPODOC / EPO

PN - [US2017020337](#) A1 20170126
 PR - US201615217928
 20160722; US201562196830P

20150724

AP - US201615217928 20160722

DT - *; Rep

CCI - [A47J37/0786](#)

PA - CHARCOAL COMPANION
INCORPORATED [US]

TI - PIZZA **OVEN** CONVERSION
APPARATUS FOR KETTLE BARBECUE

AB - An apparatus for converting a
barbecue into a pizza
cooking **oven** includes an open
door frame and vertical side
panels pivotally attached to the
vertical side posts of the open
door frame. The side panels can
be pivotally adjusted on the
open door frame to extend
rearward of the open door frame
at different pivot positions.
When the side panels are
extended rearward of the open
door frame, the bottom edges of
the side panels provide a
support base for setting the
apparatus onto the top rim of a
bottom bowl of a barbecue and
the top edges of the side panels
support a cover of a barbecue in
an elevated position above the
bottom bowl of the barbecue.
The **elevation** of the cover
creates an expanded cooking
chamber above the bottom bowl
of the barbecue and the open
door frame provides access to
the expanded cooking chamber.

14/56 © EPODOC / EPO

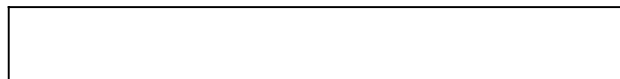
PN - [KR101664976B](#) B1 20161024

PR - KR20160077139 20160621

AP - KR20160077139 20160621

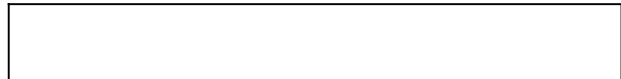
DT - I

CT - || STSE (B1)
[JPH03123191](#) A 19910524 [
] (VICTOR COMPANY OF JAPAN);
[KR101017640B](#) B1 20110225 [];



[KR20100120450](#) A 20101116 [
] (KANG YOUNG GIL [KR]);
[KR20140114728](#) A 20140929 [
] (KIM IN JAE [KR])
 CNOI - [A47J37/067](#) ; [A47J37/0694](#) ;
[A47J37/0704](#) ; [A47J37/0786](#) ;
[F24C1/00](#) ; [F24C15/08](#) ;
[F24C15/14](#)
 PA - KANG YOUNG GIL [KR]
 TI - Charcoal Roaster
 AB - The present invention relates to
 a charcoal **roaster**, which
 comprises: a brazier provided
 with a supporting leg on a lower
 unit of a chamber body provided
 with a storage unit, and provided
 with a supporting protrusion on
 the side surface; an assembly
 frame with an assembled
 structure including a horizontal
 supporting rod elastically
 supported on a supporting body
 for hanging the brazier through
 the supporting protrusion, and a
 vertical supporting rod
 connected to the gap between
 horizontal supporting rods for
 preventing the flow of the
 brazier; and a supporting body
 installed to elastically support
 the assembly frame when **lifting**
 the assembly frame and hanging
 a stopper.

15/56 © EPODOC / EPO
 PN - [CN105823227](#) A 20160803
 PR - CN20161267345 20160427
 AP - CN20161267345 20160427
 DT - I
 CT - || STSE (A)
[US5524610](#) A 19960611
 [A] (CLARK JOHN D [US])
 [A] 1-5
 * 全文 *;
[CN2610818Y](#) Y 20040414
 [A] (SUN QI [CN])
 [A] 1-5



* 全文 *;
[CN201445402U](#) U 20100505
 [A] (JIANGSU BADELITE SOLAR ENERGY TECHNOLOGY CO LTD)
 [A] 1-5
 * 全文 *;
[CN201529025U](#) U 20100721
 [Y] (ZONGSHUN LAN)
 [Y] 2
 * 说明书第[0014]、[0015]段，附图1-4 *;
[CN103335413](#) A 20131002
 [YX] (HIMIN SOLAR CO LTD)
 [Y] 2
 * 说明书第[0033]-[0051]段，附图1-7 *
 [X] 1、3-5;
[CN104976786](#) A 20151014
 [A] (HUA HONGLIN)
 [A] 1-5
 * 全文 *;
[CN105054816](#) A 20151118
 [A] (HARBIN JINDU SOLAR ENERGY TECHNOLOGY CO LTD)
 [A] 1-5
 * 全文 *;
[CN204839214U](#) U 20151209
 [A] (JIANG YUCHUN)
 [A] 1-5
 * 全文 *;
[CN205717972U](#) U 20161123
 [R] (HARBIN JINDU SOLAR ENERGY TECHNOLOGY CO LTD)
 [R] 1-5
 * 权利要求1-5 *

CNOI	- A47J37/07 ; F24S20/30
CCA	- Y02A40/926
PA	- HARBIN JINDU SOLAR ENERGY TECHNOLOGY CO LTD
TI	- Solar oven
AB	- The invention discloses a solar oven . The solar oven comprises an oven body; the oven body consists of a first oven body and a second oven body; the bottom end of the first oven body is connected with the second oven

body through a fixed plate; **lifting** handles are respectively arranged at the upper ends of the first **oven** body and the second **oven** body; universal wheels are arranged at the bottom end of the fixed plate; an **oven** is arranged at the upper end of the fixed plate in the **oven** body; a first placing area, a storage box and a second placing area are arranged in the first **oven** body in sequence from top to bottom; and a solar panel is arranged in the second **oven** body. The solar **oven** adopts a luggage design, has ultralarge internal for accommodating and classifying objects, can quickly arrange needed outdoor barbecue objects, is convenient and fast in movement, uses solar energy for supplying electricity to the **oven**, is efficient, energy-saved, green and environment-friendly, can automatically adjust and set the heating power and time, is simple and fast in operation, perfectly combines a baking net with a baking disc for barbecuing, cooking and boiling, is rich in functions, is flexible and simple in conversion, and satisfies diversified demands of people.

16/56 © EPODOC / EPO

PN - [CN105496231](#) A 20160420

PR - CN2016155848 20160127

AP - CN2016155848 20160127

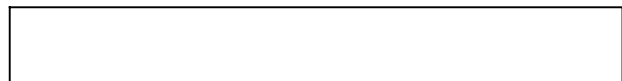
DT - I

CT - || STSE (A)
[CN102755120](#) A 20121031

[Y] (ZHEJIANG HAOWAN
HOUSEHOLD ITEMS CO LTD)

[Y] 1-10

* 参见说明书第0031-0038段、
附图1-13 *;



[CN202891670U](#) U 20130424

[Y] (ZHANG CHUNYU)

[Y] 1-10

* 说明书第0018段 *;

[CN204274197U](#) U 20150422

[A] (ZHEJIANG KELAN INDUSTRY
AND TRADE CO LTD)

[A] 1-10

* 全文 *;

[CN104665622](#) A 20150603

[A] (LI ZHAOJI)

[A] 1-10

* 全文 *;

[CN204580974U](#) U 20150826

[A] (WANG LIN)

[A] 1-10

* 全文 *;

[CN105030079](#) A 20151111

[A] (CHENG TIANSHENG)

[A] 1-10

* 全文 *;

[CN205514201U](#) U 20160831

[R] (HU XIAO)

[R] 1-10

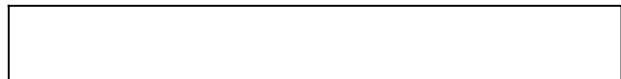
* 权利要求1-10 *

CNOI	- A47J37/06 ; A47J37/07
PA	- HU XIAO
TI	- Infrared barbecue oven
AB	- An infrared barbecue oven comprises a barbecuing tray used for holding barbecued food. The barbecuing tray is connected with an upper shell through a supporting rod, the upper shell is positioned above the barbecuing tray, a heating bin is arranged in the upper shell, an infrared heating tube is arranged in the heating bin, a power source bin of the infrared heating tube is arranged in the upper shell, a reflection tray and an isolation net are arranged in the heating bin, the infrared heating tube is mounted between the reflection tray and the isolation net and mounted on the reflection tray through a lamp

hook, a hanging frame is arranged in the heating bin and fixed on the inner side wall of the upper shell, an oil receiving tray is arranged below the barbecuing tray, and a **lifting** device is arranged on a portion where the supporting rod is connected with the barbecuing tray or/and the upper shell. The infrared barbecue **oven** has the advantages that when the infrared barbecue **oven** is in use, the barbecuing **oven** can be heated uniformly, meat can be baked well uniformly from inside to outside, water loss is avoided, beneficial nutritional ingredients like protein and carbohydrate in the meat can be retained as much as possible, and the infrared barbecue **oven** is more convenient and sanitary to use, simple to operate and convenient to use.

17/56 © EPODOC / EPO

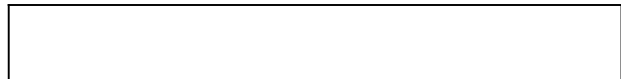
PN - [CN205125990U](#) U 20160406
 PR - CN20152797516U 20151014
 AP - CN20152797516U 20151014
 DT - I
 PA - ZHUHAINENG
 TI - **Oven** carbon dish elevating system
 AB - The utility model discloses an **oven** carbon dish elevating system, including the **oven** outer container, the **oven** outer container in install two slide rails that are parallel to each other, install the dead axle between the slide rail that two were parallel to each other, the spout has all been seted up to the inboard of two slide rails that are parallel to each other, installs the moving axis parallel



with the dead axle in the spout, X type crane is all installed at the both ends of dead axle and moving axis, the carbon dish is installed on the upper portion of X type crane, is connected with an at least **lifting** pull rod on the moving axis, **lifting** pull rod is connected with the screw thread crank through the screw hole, two slide rails that are parallel to each other in, the pull rod groove has been seted up on the upper portion of an at least slide rail, **lifting** pull rod passes the pull rod groove and is connected with the moving axis, the lateral wall of **oven** outer container on seted up a plurality of ventilation holes, the beneficial effect of the utility model: the practicality, low in production cost, the height that carbon coiled is convenient for adjust by convenient to use to the distance of adjusting food on carbon dish and the overware reaches temperature regulation's purpose.

18/56 © EPODOC / EPO

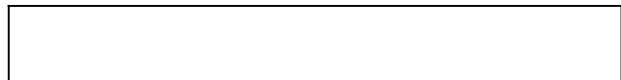
PN - [CN204683381U](#) U 20151007
 PR - CN20152367048U 20150601
 AP - CN20152367048U 20150601
 DT - I
 PA - LIN JINSHENG
 TI - **Grilling** appliance
 AB - The utility model provides a **grilling** appliance, contain pedestal mechanism, an upper cover, and flexible buffer component, pedestal mechanism is equipped with barbecue seat piece, the upper cover can set up in pedestal mechanism with **lifting**, and flexible buffer component has first end and



second end, first end can stretch out and draw back relatively and provide the cushion effect along flexible direction with the second end, but first end pivot ground is connected in pedestal mechanism, but set up in the upper cover second end pivot, and the strength that the upper cover down approximately closed is born for come the buffering by the cushion effect when the upper cover is lifted for pedestal mechanism to the configuration of flexible direction, the utility model discloses a **grilling** appliance makes the upper cover more laborsaving when lifting through flexible buffer component, and flexible buffer component can support the upper cover when the upper cover complete opening.

19/56 © EPODOC / EPO

PN - [CN204410614U](#) U 20150624
 PR - CN2015280852U 20150204
 AP - CN2015280852U 20150204
 DT - I
 PA - HU YINGPENG
 TI - **Lifting** wind-proof barbecue **oven**
 AB - The utility model discloses a **lifting** wind-proof barbecue **oven** which comprises an **oven** case, a barbecue net and a wind-proof plate. The wind-proof plate comprises a front plate, the two sides of the front plate are both hinged to a side plate, the lower side of the front plate is provided with fixture block which extend downwards and are all in the shape of an inverted T, at least two adjusting insertion holes are formed in the front plate from top to bottom,



the lower side edges of the two side plates are both provided with a hook which extends downwards and is in the shape of an inverted Arabic number '7', and at least two openings are formed in the vertical side edge of each side plate; the front side edge of the **oven** case is provided with necks which are matched with the fixture blocks, the necks are all in the shape of a T when a person looks from top to bottom, the left side and the right side of the **oven** case are both provided with hanging holes matched with the hooks, the front side edge of the barbecue net is provided with front insertion rods matched with the adjusting insertion holes, and the left side and the right side of the barbecue net are provided with support rods matched with the opening. The **lifting** wind-proof barbecue **oven** has the advantages that the influence of wind on charcoal fire is small, and foods with different flavors are prone to barbecuing.

20/56 © EPODOC / EPO

PN - [CN104394743](#) A 20150304

PR - WO2013US26714
20130219; US201213409361
20120301

AP - CN2013822979 20130219

DT - I

CT - || STSE (A)
[US6114666](#) A 20000905
[YX] (BEST WILLIE H [US])
[Y] 1-8,12-13
* 说明书第4列第15-51行，第8列
第14-53行，附图1-3 *
[X] 1-8,10-13;
[US4392477](#) A 19830712
[Y] (MILLIGAN ORLEY J [US])
[Y] 8,13



* 说明书第3列第67行-第4列第14行，附图1-2 *;

[US2008060632](#) A1 20080313

[Y] (LEVERTY PATRICK A [US])

[Y] 1-8

* 说明书[0002]、[0082]-[0092]

段，附图7 *;

[CN200970148Y](#) Y 20071107

[A] (ZHANG ZHUJIANG [CN])

[A] 1-30

* 全文 *;

[US6114666](#) A 20000905

[Y] (BEST WILLIE H [US])

[Y] 1-8,10-13

* 说明书第4列第15-51行，第8列第14-53行，附图1-3 *;

[US4893609](#) A 19900116

[Y] (GIORDANI ATTILIO G [US], et al)

[Y] 1-8

* 说明书第6列第10-64行、第10列第38-45行，附图5 *;

[US2002020405](#) A1 20020221

[Y] (COLEMAN BRIAN [US], et al)

[Y] 7,12

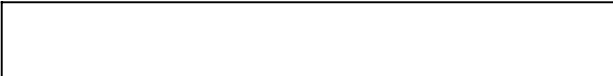
* 说明书第2列第21-22行，第7列第39-45行，附图8 *

- | | |
|-----|---|
| CCI | - A47J37/0727 ; A47J37/0754 |
| PA | - BRADLEY W C CO |
| TI | - Wind resistant grilling apparatus |
| AB | - The present invention provides an improved grilling apparatus and method which satisfy the needs and alleviate the problems discussed above. By way of example, but not by way of limitation, the present invention can be used to significantly improve the performance of substantially any cooking grill of the type comprising: a housing structure having therein an upwardly facing firebox; a cover for opening and closing the firebox; a food support structure or rotisserie positionable in and/or over the upper end of the fire box; a fuel delivery or |

placement structure (preferably a burner element) in the firebox below the **elevation** of the food support structure.

21/56 © EPODOC / EPO

PN - [CN204091783U](#) U 20150114
PR - CN20142543831U 20140922
AP - CN20142543831U 20140922
DT - I
PA - HU XIAODONG
TI - Portable multifunctional barbecue **oven**
AB - The utility model discloses a portable multifunctional barbecue **oven**. The portable multifunctional barbecue **oven** is characterized by comprising an **oven** body and a carrying plate; the bottom of the **oven** body is provided with folding bases; the folding bases are connected with supporting legs; the supporting legs on the two sides are each provided with a fixed connecting cross bar; each fixed connecting cross bar is provided with hanging hook insertion holes; the carrying plate is provided with hanging holes and is suspended onto the fixed connecting cross bars through hanging hooks; the left side and the right side of the **oven** body are provided with vent holes, and are provided with left **lifting** handle insertion holes and right **lifting** handle insertion holes respectively; a left **lifting** handle and a right **lifting** handle are mounted in the left **lifting** handle insertion holes and the right **lifting** handle insertion holes respectively; the front side and the rear side of the **oven** body are provided with front **lifting** handle insertion



holes and rear **lifting** handle insertion holes respectively, and a front **lifting** handle and a rear **lifting** handle are mounted in the front **lifting** handle insertion holes and the rear **lifting** handle insertion holes respectively; a carbon grill is placed in the **oven** body, and a baking net is arranged at an upper port of the **oven** body. Compared with the prior art, the portable multifunctional barbecue **oven** has the advantages of being ingenious in structural design, and convenient to fold, store and carry; meanwhile, the portable multifunctional barbecue **oven** has the functions of the carrying plate, a seasoning plate, a table top and the like when unfolded, thereby being high in practicality.

22/56 © EPODOC / EPO

PN - [CA2865089](#) A1 20130906
 PR - US201213409361
 20120301; WO2013US26714
 20130219
 AP - CA20132865089 20130219
 DT - I
 CCI - [A47J37/0727](#) ; [A47J37/0754](#)
 PA - BRADLEY W C CO [US]
 TI - WIND RESISTANT **GRILLING**
 APPARATUS
 AB - The present invention provides an improved **grilling** apparatus and method which satisfy the needs and alleviate the problems discussed above. By way of example, but not by way of limitation, the present invention can be used to significantly 20 improve the performance of substantially any cooking grill of the type comprising: a housing structure having therein an



upwardly facing firebox; a cover for opening and closing the firebox; a food support structure or rotisserie positionable in and/or over the upper end of the fire box; a fuel delivery or placement structure (preferably a burner element) in the firebox below the **elevation** of the food support structure.

23/56 © EPODOC / EPO

PN - [US8839780](#) B1 20140923
PR - US201213727966
20121227; US201261586174P
20120113
AP - US201213727966 20121227
DT - *; Rep
CT - || STSE (B1)
[US3783854](#) A 19740108 [
] (HURKO B, et al);
[USRE29602E](#) E 19780404 [];
[US8381712](#) B1 20130226 [
] (SIMMS II JOHN LEE [US]);
[US2008098902](#) A1 20080501 [
] (MANSFIELD PATRICK [US], et al)
CCI - [A47J37/0713](#) ; [G05B19/41815](#) ;
[G06Q10/08](#)
CCA - [G05B2219/31014](#) ; [Y02P90/285](#) ;
[Y02P90/28](#) ; [Y02P90/60](#) ;
[Y02P90/08](#)
PA - BRADLEY W C CO [US]
TI - Gas grill with side **oven**
AB - An outdoor cooking grill
assembly having a side gas **oven**
which is positioned at
substantially the same **elevation**
as the grill and preferably also
includes a gas burner assembly
of the same type used in the grill.

24/56 © EPODOC / EPO

PN - [KR20130134678](#) A 20131210
PR - KR20120058365 20120531
AP - KR20120058365 20120531
DT - I

PA - CHOI BYOUNG KOOK [KR]

TI - HEIGHT-ADJUSTABLE GRILL MEAT BROIL

AB - The present invention relates to a meat **roaster** with a height-adjustable grill, wherein the meat **roaster** is capable of controlling the intensity of fire power delivered to meat when the meat is roasted with fire power of fuel, such as charcoal or briquette, by installing a grill, which is used to roast meat, to be movable upwardly or downwardly. According to the conventional meat **roaster**, a gridiron is erected from the lowermost site to the uppermost site by using a control link and a bending shaft in connection with the control link. However, since the bending shaft normally or reversely rotates within only 90 degrees, the movement of the gridiron is limited to only the lowermost site or the uppermost site, thereby failing to appropriately operate according to the intensity of the fire power. This limit of movement is merely more convenient in view of moving the roasted meat above for easy intake rather than roasting meat through the control of the fire power. However, according to the present invention, an elevating member is installed at an **elevation** guide member to be able to rise or fall, so that the grill on which meat is placed is capable of being stably fixed at an appropriate height depending on the intensity of the fire power. The elevating member has a stop fixing unit to appropriately operate according to the intensity of the fire power.

PN - [WO2013130305](#) A1 20130906

PR - US201213409361 20120301

AP - WO2013US26714 20130219

DT - **

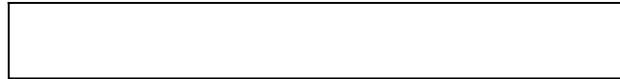
CT - |US| ISR (A1)
[US6114666](#) A 20000905
[X] (BEST WILLIE H [US]);
[US4893609](#) A 19900116
[Y] (GIORDANI ATTILIO G [US], et al);
[US2008060632](#) A1 20080313
[Y] (LEVERTY PATRICK A [US]);
[US6951213](#) B2 20051004
[Y] (COLEMAN BRIAN [US], et al);
[US4392477](#) A 19830712
[Y] (MILLIGAN ORLEY J [US])

CCI - [A47J37/0727](#) ; [A47J37/0754](#)

PA - BRADLEY W C CO [US]

TI - WIND RESISTANT **GRILLING**
APPARATUS

AB - The present invention provides an improved **grilling** apparatus and method which satisfy the needs and alleviate the problems discussed above. By way of example, but not by way of limitation, the present invention can be used to significantly 20 improve the performance of substantially any cooking grill of the type comprising: a housing structure having therein an upwardly facing firebox; a cover for opening and closing the firebox; a food support structure or rotisserie positionable in and/or over the upper end of the fire box; a fuel delivery or placement structure (preferably a burner element) in the firebox below the **elevation** of the food support structure.



PN - [CA2812908](#) A1 20110414

PR - US20090574028
20091006; US20100893130
20100929; WO2010US50827
20100930

AP - CA20102812908 20100930

DT - I

CCI - [A47J36/06](#) ; [A47J37/0786](#)

CQI - [A47J37/07](#) ; [F24C15/2007](#)

PA - JACKOVITCH TIMOTHY [US]

TI - GRILL AND METHOD OF USE
THEREOF

AB - A grill comprising a front, a rear,
a grill base, a grill lid and a grill
door. The grill lid comprises an
opening and is in hinged
communication with the grill
base. The grill door
communicates with the grill lid
via a hinge, which is disposed at
a rear portion of the opening.
When the grill door is closed, the
grill door seals the opening in
the grill lid. The grill lid includes
a **lifting**-assist mechanism and
the grill door has an opening-
assist mechanism. A method
of **grilling** comprising the steps of
opening the grill lid, placing
food on the grill base and
closing the grill lid to cook food.
The method further comprises
the steps of opening the grill lid
and the grill door during the
cooking process, thereby
creating a flue that urges smoke
away from the front of the grill
and towards the rear of the grill.

27/56 © EPODOC / EPO

PN - [US2013098352](#) A1 20130425

PR - US201213712972
20121213; US20100893130
20100929; US20090574028
20091006

AP - US201213712972 20121213

DT - **

CT - || R141 (A1)
[US5404795](#) A [];
[US4729364](#) A [];
[US2005081721](#) A1 [];
[US2002179081](#) A1 [];
[US4862792](#) A [];
[US6874496](#) B2 [];
[US7770576](#) B2 []

CCI - [A47J36/06](#) ; [A47J37/0786](#)

CQI - [A47J37/07](#) ; [F24C15/2007](#)

PA - JACKOVITCH TIMOTHY [US]

TI - Grill and Method of Use Thereof

AB - A grill comprising a front, a rear, a grill base, a grill lid and a grill door. The grill lid comprises an opening and is in hinged communication with the grill base. The grill door communicates with the grill lid via a hinge, which is disposed at a rear portion of the opening. When the grill door is closed, the grill door seals the opening in the grill lid. The grill lid includes a **lifting**-assist mechanism and the grill door has an opening-assist mechanism. A method of **grilling** comprising the steps of opening the grill lid, placing food on the grill base and closing the grill lid to cook food. The method further comprises the steps of opening the grill lid and the grill door during the cooking process, thereby creating a flue that urges smoke away from the front of the grill and towards the rear of the grill.

28/56 © EPODOC / EPO

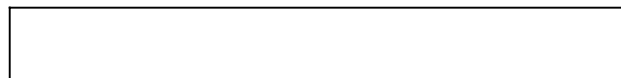
PN - [CH705052](#) B1 20121214

PR - CH20080000842 20080604

AP - CH20080000842 20080604

DT - *; Rep

CCI - [A47J37/0731](#)



PA - FREYHELMUT[DE]

TI - Grill device for cooking and **grilling** e.g. meat in outdoor, has **lifting** device adjusting cooking support by **lifting** and lowering between storing and cooking positions, and inner housing lowered in ground by **lifting** device

AB - The device (1) has a heat source (3) e.g. charcoal, for heating food. A cooking support (5) e.g. grill grating, is provided adjacent to the heat source for presenting and heating the food. The support is adjusted between storing position and cooking position. A **lifting** device (7) is associated to the cooking support, and adjusts the support by **lifting** and lowering between the storing position and the cooking position. An inner housing (19) is lowered in a ground i.e. soil (11), by the **lifting** device. An outer housing (17) includes a sheathing element (13) associated to a concrete base (9).

29/56 © EPODOC / EPO

PN - [CN102525290](#) A 20120704

PR - CN20101586117 20101214

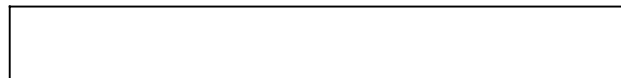
AP - CN20101586117 20101214

DT - I

PA - JING CHEN

TI - Folding type portable **oven**

AB - The invention relates to a barbecue tool, in particular to a folding type portable **oven**. The folding type portable **oven** is characterized by comprising a box body, a box cover and a grill, wherein a support frame is movably connected with the two sides in the box body respectively; the middle part of



the side of the support frame close to the box cover is hinged with the box cover; a multi-layer buckle is arranged on each support frame; the grill is connected with the support frames through the buckles; a fixing seat for fixing the barbecue tool is arranged on the inner side of the box cover; the bottom of the box body is hinged with symmetric support legs; and a **lifting** handle is arranged on the side surface of the box body. The folding type portable **oven** has simple structure and small volume, is convenient to use and carry, does not require much time in assembly or disassembly, and saves time and labor, thereby being very suitable for people to take outside.

30/56 © EPODOC / EPO

PN - [CN102378591](#) A 20120314

PNFP - CN102378591B B 20140625

PR - WO2010KR01945
 20100330; KR20090027053
 20090330

AP - CN2010815265 20100330

DT - I

CT - || STSE (A)
 [KR20050110559](#) A 20051123
 [YX] (LEE JU HO [KR])
 [Y] 9-10
 说明书第3-7页及图1-10
 [X] 1-8,11-18
 [US2008156198](#) A1 20080703
 [A] (LEASON MELANIE [US], et al)
 [A] 1-18
 全文
 [US5421318](#) A 19950606
 [Y] (UNRUH DENNIS L [US], et al)
 [Y] 9-10
 说明书第4-7栏及图1-3

CCI - [A47J37/049](#) ; [A47J37/0713](#)



CCA	- <u>A47J2037/0795</u>
PA	- (A) KWANG-HO CHOI
	- (B) CHOI KWANG-HO
TI	- (A B) Mobile meat roaster
AB	- (A) The present invention relates to a mobile meat roaster , which includes: a casing which forms the outer body; a heat supply part mounted in the casing for providing heat to food; and a first grill operation part mounted at an upper portion of the heat supply part for rotating the grill as well as moving it in the vertical and horizontal directions, wherein the first grill operation part includes a grill fixing part for attaching or detaching an end of the grill, a horizontal moving means for moving the grill in the horizontal direction, a rotation means for rotating the grill, and a lifting means for moving the grill in the vertical direction, and, accordingly, the cooking status of the grilled food may be accurately assessed by moving the grill forward, a user is protected from gas inhalation and burns from flames, and overall convenience is improved.; Furthermore, as the grill rotates, heat is evenly distributed over the grilled food, burnt areas are avoided and taste is improved. Temperature may be kept uniform so that the food may be uniformly cooked without local burning or undercooking, since the grill rotates continuously. Additionally, the grilled food tastes better since it is

dependant on the cook's manual efforts in turning the roasting food. Accordingly, uniform taste may be achieved regardless of the personal skills of a cook and seasoning becomes convenient for the cook.

31/56 © EPODOC / EPO

PN - [KR20110072720](#) A 20110629
PNFP - KR101179742B B1 20120904
PR - KR20090129770 20091223
AP - KR20090129770 20091223
DT - I
CNOI - (A)
[A47J37/0786](#)
CNOA - (A)
[A47J2037/0795](#)
PA - (A)
JEON MIN YOUNG [KR]
TI - (A B1)
A GRILL-HEIGHT
ADJUSTABLE **ROASTER**
AB - (A)
PURPOSE: A roasting device for adjusting the height of a grill is provided to be simply installed on the table in a restaurant and simply control the height of the grill since rod of a grill support moves up and down with an operation lever. CONSTITUTION: A roasting device for adjusting the height of a grill comprises a charcoal-fire holding unit(101), a grill support(120), a rod(105), an operation lever(135), and a height adjusting unit(130). The charcoal-fire holding unit is supported by a lower support (110). The grill support can be distance-adjusted from the upper part of the charcoal-fire holding unit. The rods are coupled to the grill support. For a user to control the height of a grill, the operation lever is



movably formed on one side of the charcoal-fire holding unit. The height adjusting unit is connected to the lower end of each of the rods to control the height of the grill by **lifting** the rods.

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PN - [WO2011043976](#) A2 20110414

PNFP - WO2011043976 A3 20110811

PR - US20090574028
20091006; US20100893130
20100929

AP - WO2010US50827 20100930

DT - **

CT - |KR| ISR (A3)
[US6626089](#) B1 20030930
[X] (HUBERT LEROY [US]);
[JP2001128857](#) A 20010515
[A] (SODA KOGYO KK);
[KR200367566Y](#) Y1 20041115
[A] (KIM, H. M.);
[KR20030027139](#) A 20030407
[A] (HAN SUNG ENERTEC CO LTD [KR])

CCI - [A47J36/06](#) ; [A47J37/0786](#)

CQI - [A47J37/07](#) ; [F24C15/2007](#)

PA - (A2 A3)
JACKOVITCH TIMOTHY [US]

TI - (A2 A3)
GRILL AND METHOD OF USE
THEREOF

AB - (A2 A3)
A grill comprising a front, a rear, a grill base, a grill lid and a grill door. The grill lid comprises an opening and is in hinged communication with the grill base. The grill door communicates with the grill lid via a hinge, which is disposed at a rear portion of the opening. When the grill door is closed, the grill door seals the opening in the grill lid. The grill lid includes



a **lifting**-assist mechanism and the grill door has an opening-assist mechanism. A method of **grilling** comprising the steps of opening the grill lid, placing food on the grill base and closing the grill lid to cook food. The method further comprises the steps of opening the grill lid and the grill door during the cooking process, thereby creating a flue that urges smoke away from the front of the grill and towards the rear of the grill.

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PN - [US2011079210](#) A1 20110407

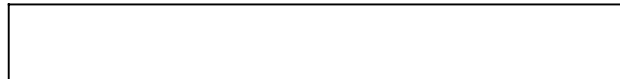
PNFP - US8353280 B2 20130115

PR - US20100893130
20100929; US20090574028
20091006

AP - US20100893130 20100929

DT - *; Rep

CT - || STSE (B2)
[US2109796](#) A 19380301 [
] (HIRSCHENFELD HENRY J)
[US4788906](#) A 19881206 [
] (STARKS JIMMIE [US])
[US4862792](#) A 19890905 [
] (LERMA JR DEMETRIO [US])
[US5404795](#) A 19950411 [
] (COBLE WAYNE R [US])
[US6257130](#) B1 20010710 [
] (WEBER STEPHEN PRODUCTS CO
[US])
[US6341809](#) B1 20020129 [
] (DELPHI TECH INC [US])
[US6606986](#) B2 20030819 [
] (HOLLAND COMPANY INC OF
THE CAR [US])
[US6874496](#) B2 20050405 []
[US6883680](#) B2 20050426 [
] (NIFCO INC [JP])
[US7770576](#) B2 20100810 [
] (FORTE PRODUCTS LLC [US])
[US7878186](#) B2 20110201 [
] (CUSACK WILLIAM E [US])
[US2003024524](#) A1 20030206 [



] (HERMANSEN ARLEN W [US], et al)

[US2004094140](#) A1 20040520 [

] (CHIAPHUA IND LTD [HK])

[US2009107384](#) A1 20090430 [

] (STEPHENSON JR SAMUEL S [US])

- || R141 (A1)

[US5404795](#) A [];

[US2109796](#) A [];

[US6874496](#) B2 [];

[US4862792](#) A [];

[US6341809](#) B1 [];

[US2003024524](#) A1 [];

[US7878186](#) B2 [];

[US6883680](#) B2 [];

[US2009107384](#) A1 [];

[US2004094140](#) A1 [];

[US6257130](#) B1 [];

[US6606986](#) B2 [];

[US7770576](#) B2 [];

[US4788906](#) A [];

[US18297](#) A [];

[US3667648](#) A [];

[US3791370](#) A [];

[US3933144](#) A [];

[US4340027](#) A [];

[US4664026](#) A [];

[US4729364](#) A [];

[US4895130](#) A [];

[US6467859](#) B2 [];

[US6626089](#) B1 [];

[US6820538](#) B2 [];

[US6935326](#) B1 [];

[US2010018516](#) A1 []

CCI - [A47J36/06](#) ; [A47J37/0786](#)

CQI - [A47J37/07](#) ; [F24C15/2007](#)

PA - (B2)
JACKOVITCH TIMOTHY [US]

TI - (A1 B2)
Grill and Method of Use Thereof

AB - (A1 B2)
A grill comprising a front, a rear,
a grill base, a grill lid and a grill
door. The grill lid comprises an
opening and is in hinged
communication with the grill
base. The grill door
communicates with the grill lid

via a hinge, which is disposed at a rear portion of the opening. When the grill door is closed, the grill door seals the opening in the grill lid. The grill lid includes a **lifting**-assist mechanism and the grill door has an opening-assist mechanism. A method of **grilling** comprising the steps of opening the grill lid, placing food on the grill base and closing the grill lid to cook food. The method further comprises the steps of opening the grill lid and the grill door during the cooking process, thereby creating a flue that urges smoke away from the front of the grill and towards the rear of the grill.

34/56 © EPODOC / EPO

PN - [KR20110010472](#) A 20110201

PNFP - KR101034060B B1 20110512

PR - KR20090068059 20090724

AP - KR20090068059 20090724

DT - I

CT - || STSE (B1)
[KR100701252B](#) B1 20070329 [];
[KR20030099723](#) A 00000000 []

CNOI - (A)
[A47J37/0745](#) ; [A47J37/0786](#)

PA - (A)
HONG SUNG WOOK [KR]

TI - (A)
ELECTRIC **ROASTER** WITH YELLOW
SOIL CAP ON A LOWER SUPPORT
PLATE
- (B1)
electric **roaster** with yellow soil
cap on a lower support plate

AB - (A)
PURPOSE: A roasting machine
made of yellow soil with a
support plate opened downward
is provided to prevent meat from
being hardened because inner



heat is uniformly conducted to the meat. CONSTITUTION: A roasting machine made of yellow soil comprises a support plate (20), a heating container(40), a yellow soil container(60), and an upper container(70). A **lifting** unit opens and closes the support plate. The rotor(21) of the support plate rotates a roasting plate(30) at a center axis. The heating container is formed in a plug shape and covers the support plate and the yellow soil container. The yellow soil container conducts heat from the heating container to the roasting plate. The yellow soil container covers the support plate and the roasting plate by opening the bottom end of the yellow soil container. The bottom end of the upper container is opened and closed by the support plate.

35/56 © EPODOC / EPO

PN - [WO2010114289](#) A2 20101007

PNFP - WO2010114289 A3 20101223

PR - KR20090027053 20090330

AP - WO2010KR01945 20100330

DT - **

CT - |KR| ISR (A3)
[KR20050110559](#) A 20051123
[X] (LEE JU HO [KR]);
[KR20070035664](#) A 20070402
[A] (LEE YOUNG GOO [KR]);
[KR20060097414](#) A 20060914
[A] (CHOI KWANG HO [KR])

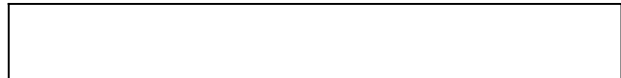
CCI - [A47J37/049](#) ; [A47J37/0713](#)

CCA - [A47J2037/0795](#)

PA - (A2 A3)
CHOI KWANG-HO [KR]

TI - (A2 A3)
MOBILE MEAT ROASTER

AB - (A2 A3)
The present invention relates to



a mobile meat **roaster**, which includes: a casing which forms the outer body; a heat supply part mounted in the casing for providing heat to food; and a first grill operation part mounted at an upper portion of the heat supply part for rotating the grill as well as moving it in the vertical and horizontal directions, wherein the first grill operation part includes a grill fixing part for attaching or detaching an end of the grill, a horizontal moving means for moving the grill in the horizontal direction, a rotation means for rotating the grill, and a **lifting** means for moving the grill in the vertical direction, and, accordingly, the cooking status of the grilled food may be accurately assessed by moving the grill forward, a user is protected from gas inhalation and burns from flames, and overall convenience is improved. Furthermore, as the grill rotates, heat is evenly distributed over the grilled food, burnt areas are avoided and taste is improved. Temperature may be kept uniform so that the food may be uniformly cooked without local burning or undercooking, since the grill rotates continuously. Additionally, the grilled food tastes better since it is dependant on the cook's manual efforts in turning the roasting food. Accordingly, uniform taste may be achieved regardless of the personal skills of a cook and seasoning becomes convenient for the cook.

PNFP	- GB2468014 B 20150826	
PR	- CN20092136834U 20090220	
AP	- GB20100001994 20100208	
DT	- *; Rep	
CT	- STSE (A)	
	GB2360443 A 20010926 [] (FRAUNHOFER ALFRED [DE], et al)	
	DE3227346 A1 19840126 [] (LEHMANN OTTO [DE])	
	DE20102691U U1 20010503 []	
	EP1129654 A1 20010905 [] (FRAENZEL BERND [DE], et al)	
	FR2751520 A1 19980130 []	
	JPH06209863 A 19940802 [] (OGASAWARA TOSHIO, et al)	
	JP2001046242 A 20010220 [] (WANG PING)	
	JP2005312845 A 20051110 [] (SHIMOYAMA TSUTOMU)	
	US5154159 A 19921013 [] (KNAFELC FRANK M [US], et al)	
	US2009000609 A1 20090101 [] (HALE WILLIAM A [US])	
	- STSE (B)	
	GB2360443 A 20010926 [] (FRAUNHOFER ALFRED [DE], et al)	
	EP2377439 A1 20111019 [] (IKEDA TADAHARU [BR])	
	EP1129654 A1 20010905 [] (FRAENZEL BERND [DE], et al)	
	DE20102691U U1 20010503 []	
	DE3227346 A1 19840126 [] (LEHMANN OTTO [DE])	
	FR2751520 A1 19980130 []	
	JPH06209863 A 19940802 [] (OGASAWARA TOSHIO, et al)	
	JP2005312845 A 20051110 [] (SHIMOYAMA TSUTOMU)	
	JP2001046242 A 20010220 [] (WANG PING)	
	US5154159 A 19921013 [] (KNAFELC FRANK M [US], et al)	
	US2009000609 A1 20090101 [] (HALE WILLIAM A [US])	
CCI	- A47J37/0629 ; A47J37/0676	
CNOI	- (A B)	

[A47J37/04](#) ; [A47J37/06](#) ;
[A47J37/07](#)

- PA - (A)
 TSANN KUEN [CN]
- (B)
 TSANN KUENZHANGZHOU ENTPR
 CO [CN]
- TI - (A)
 A **grilling** device having a
 vertically movable heating
 system
- (B)
 A **grilling** device
- AB - (A)
 A **grilling** device having a bottom
 housing 110 containing a
 heating system 140 and a **lifting**
 structure 120, 130; the **lifting**
 structure lifts the heating system
 vertically within the bottom
 housing. The heating system is
 movable such that the **grilling**
 device can match different
 cooking apparatus. The **grilling**
 apparatus may comprise an
 upper housing 200. The **lifting**
 structure may comprise a rotary
 wheel 121, 131, a weight unit
 122, 132, movable vertically
 along the bottom housing and a
 connection rope 123, 133 which
 slidably crosses the two sides of
 the rotary wheel, the first end of
 the rope is connected to the
 weight unit and the second end
 is connected to the heating
 system. The **grilling** device may
 comprise a roasting plate which
 is detachably supported on the
 bottom housing and a deep pot
 detachably supported on the
 heating system. The **grilling**
 device may comprise two sets
 of **lifting** structures located on
 the front and back of the bottom
 housing. The heating system may
 comprise a holding shelf unit
 and a heating unit. The rotary

wheels of the **lifting** structures
may disposed at the same height
or a different height.

37/56 © EPODOC / EPO

PN - [CN2438402Y](#) Y 20010711
PR - CN2000245477U 20000821
AP - CN2000245477U 20000821
DT - I
PA - JINZHONG QIU [CN]
TI - **Roaster**
AB - The utility model provides a meat baking stove, which is a box-shaped stove. The bottom surface of the utility model is provided with a folding foot frame with wheels and a positioning piece, wherein, the top surfaces of the right side and the left side of the stove are provided with frames which are folded and turned outwards and are opposite, the top surface of the rear side of the stove is provided with a blocking part which is folded and turned inwards, the stove can provide a meat baking net for buckling and spacing, and both sides of the front end of the meat baking net are provided with inverse buckles. In addition, the outside of the front side of the stove is provided with a **lifting** handle, the middle of the left outside and the right outside of the stove is respectively provided with an inserting trough which can be used for assembling fittings such as a meat baking hanging basket, etc. Closed space is formed by using the meat baking net and the frames, fittings for use can be put in the space, the stove is tidied, wheels are arranged under the foot frame which can be folded, and the utility model



can be dragged for walking.

38/56 © EPODOC / EPO

PN - [US2005274261](#) A1 20051215

PNFP - US7000528 B2 20060221

PR - US20040865799 20040614

AP - US20040865799 20040614

DT - *; Rep

CT - || STSE (B2)
[US3386430](#) A 19680604 [] (STRUCTO DIVISION KING SEELEY T)
[US4213381](#) A 19800722 [] (ELLIS CLARENCE E)
[US4572062](#) A 19860225 [] (WIDDOWSON RICHARD E)
[US4854297](#) A 19890808 [] (SHUMAN JOSEPH L [US])
[US5452707](#) A 19950926 [] (BRADLEY W C CO [US])
[US5934183](#) A 19990810 [] (WEBER STEPHEN PRODUCTS CO [US])
[US6205912](#) B1 20010327 [] (CHIU CHIN-CHUNG [TW])
[US6237472](#) B1 20010529 [] (GATES RICHARD L [US])
[US6397731](#) B1 20020604 [] (BRADLEY W C CO [US])
[US6439220](#) B1 20020827 [] (WEBER STEPHEN PRODUCTS CO [US])
- || R141 (A1)
[US4572062](#) A [];
[US6205912](#) B1 [];
[US6237472](#) B1 [];
[US3386430](#) A [];
[US6397731](#) B1 [];
[US4213381](#) A [];
[US4854297](#) A [];
[US5934183](#) A [];
[US6439220](#) B1 [];
[US5452707](#) A []

CCI - [A47J37/0704](#) ; [A47J37/0713](#) ;
[A47J37/0731](#)

PA - (B2)
GRAND HALL ENTPR CO LTD [TW]

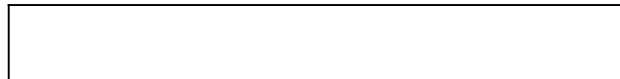


- TI - (A1 B2)
BARBECUING PUSH CART
- AB - (A1)
A barbecuing push cart employing LPG and charcoal for barbecuing is disclosed. The barbecuing push cart comprises a hand-pushing cart and a barbecuing **oven** mounted on the push cart. The opening of the **oven** has an inner edge wall on which a barbecuing net can be mounted. The internal bottom section of the **oven** housing is provided with an LPG **oven** plate. An elevating device having a charcoal plate is provided between the **oven** opening and the LPG **oven** plate. One side end of the elevating device is horizontally projected out with a rocking shaft which is projected through the **oven** and extended toward the user. A downward **lifting** door is formed at the elevating device and the elevating region of the charcoal plate. An ignition element linked to the LPG stove plate is protruded out from the **oven** and an ignition button is formed. The frame wall of the **oven** housing, corresponding to the rocking shaft, is a multi-stage engaging slots. Thus, the barbecuing **oven** can be operated using both charcoal and LPG
- (B2)
A barbecuing push cart employing LPG and charcoal for barbecuing is disclosed. The barbecuing push cart comprises a hand-pushing cart and a barbecuing **oven** mounted on the push cart. The opening of the **oven** has an inner edge wall on which a barbecuing net can be mounted. The internal bottom section of the **oven** housing is

provided with an LPG **oven** plate. An elevating device having a charcoal plate is provided between the **oven** opening and the LPG **oven** plate. One side end of the elevating device is horizontally projected out with a rocking shaft which is projected through the **oven** and extended toward the user. A downward **lifting** door is formed at the elevating device and the elevating region of the charcoal plate. An ignition element linked to the LPG stove plate is protruded out from the **oven** and an ignition button is formed. The frame wall of the **oven** housing, corresponding to the rocking shaft, is a multi-stage engaging slots. Thus, the barbecuing **oven** can be operated using both charcoal and LPG.

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- PN - [US6945243](#) B1 20050920
- PR - US20040765408 20040127
- AP - US20040765408 20040127
- DT - *
- CT - [US1284299](#) A []; [US1924824](#) A [];
[US2020503](#) A []; [US3880139](#) A [];
[US4539901](#) A []; [US5241948](#) A [];
[US5458054](#) A []; [US5947105](#) A [];
[US2002020405](#) A1 []; [JPH0742474](#) A []
- CCI - [F24B1/205](#) ; [A47J37/0623](#) ;
[A47J37/0704](#)
- CCA - [A47J37/043](#) ; [A47J2037/0777](#)
- TI - Dutch **oven** stand
- AB - A portable Dutch **Oven** stand comprising a low aspect ratio and few parts which are integrally pieced together into



one transportable unit. In a preferred form the Dutch **Oven** Stand includes a tray for holding cooking fuel (typically charcoal briquettes) at a safe distance from the ground while also maintaining such fuel from falling onto the ground, and while also supporting at least one Dutch **Oven** during cooking. The Dutch **Oven** stand also comprises folding legs permanently attached to the tray, a leveling means forming a part of the tray to level the stand prior to cooking, and a rotatable platform assembly for rotating a Dutch **Oven** while on the stand without **lifting** the Dutch **Oven** from the stand.

40/56 © EPODOC / EPO

PN - [US2008041359](#) A1 20080221

PR - KR20060077790 20060817

AP - US20070744791 20070504

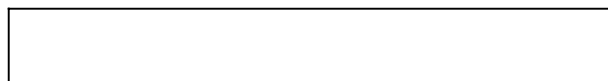
DT - *; Rep

CT - || R141 (A1)
[US4495860](#) A [];
[US6684876](#) B2 [];
[US3025849](#) A [];
[US6715723](#) B2 [];
[US5320028](#) A [];
[US6918563](#) B2 [];
[US194101](#) A [];
[US5797386](#) A [];
[US6626090](#) B2 [];
[US6941942](#) B2 [];
[US2094915](#) A [];
[US5154159](#) A []

CCI - [A47J37/0718](#) ; [A47J37/0731](#)

TI - **OVEN** COOKER FOR BARBECUE

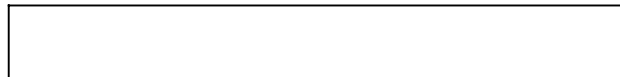
AB - Disclosed is an **oven** cooker for barbecue to resolve problems of difficult manipulation in charcoal supply or exchange of a charcoal case, which causes fire and burns. The **oven** cooker for



barbecue of the present invention includes a main body mounted with hangers for cooking stuff inside an inlet and formed with an opening at a lower part, and a charcoal base mounted with a charcoal case in a lower part thereof and detachably mounted to the opening of the main body at an upper end, wherein a movable frame mounted with the charcoal base via a supporting ring at an upper part is movable by mounting a plurality of casters at a lower part, and mounted with a cam shaft at the lower part and mounted with cams by a handle to control **lifting** of the charcoal case, and wherein the charcoal base is mounted with the charcoal case having ventilation holes and a tray provided with a barrier wall covers the ventilation holes of the charcoal case with a distance the ventilation holes, so that oil of foodstuff is prevented from being introduced into the charcoal case via the ventilation holes. Therefore, any unskilled persons such as women or old people may detach or attach the charcoal base to or from the main body without suffering such as fire or burns, and cooking stuff may be supplied with high quality without black dirt caused by the dropping oil.

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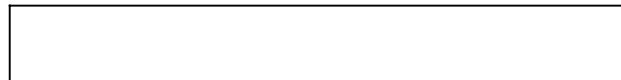
PN - [US5085203](#) A 19920204
 PR - US19910641128 19910111
 AP - US19910641128 19910111
 DT - *
 CT - [US4432334](#) A []; [US4510855](#) A []
 CCI - [A47J37/0745](#)



PA - JETTE CLAUDE [CA]
 TI - Movable grill for a barbecue
 AB - In barbecuing, food generally sticks to a fixed grill rack. This invention provides means for keeping the food "unstuck" while cooling and this is achieved by moving two adjacently disposed **grilling** racks, one having a fixed **elevation** relative to the underlying coals, the other relatively movable from a plane beneath that of the fixed rack to a plane above the fixed rack, thereby causing the food to move between movable rack and fixed rack, keeping the food "unstuck".

42/56 © EPODOC / EPO

PN - [US4495860](#) A 19850129
 PR - US19840587553 19840308
 AP - US19840587553 19840308
 DT - *; Rep
 CT - || STSE (A)
 [US3049071](#) A 19620814 [
] (DIACK ARCHIBALD W);
 [US3299800](#) A 19670124 [
] (ANGELO NICHOLAS C);
 [US3333526](#) A 19670801 [
] (KIRKPATRICK JOHN E);
 [US3776127](#) A 19731204 [
] (MUSE E);
 [US4020322](#) A 19770426 [
] (MUSE EDWARD T);
 [US4094295](#) A 19780613 [
] (BOSWELL BURL, et al);
 [US4300444](#) A 19811117 [
] (MUSE EDWARD T)
 CCI - [A47J37/0704](#)
 CCA - [Y02A40/928](#)
 PA - BRADLEY ENTERPRISES INC [US]
 TI - Food **grilling**, roasting, smoking and steaming apparatus
 AB - A more convenient and versatile charcoal fired cooking apparatus is disclosed. A free-



standing charcoal and water pan assembly having support legs allows **lifting** off of the body or shell of the cooker together with two food support racks held on brackets thereof. The water pan is also liftable from the legs of the free-standing assembly to enable direct **grilling** of food when desired. A removable dome rests on the top edge of the cooker body.

43/56 © EPODOC / EPO

- PN - [US6314955](#) B1 20011113
- PR - US20000488655 20000120
- AP - US20000488655 20000120
- DT - *
- CT - [US2397766](#) A []; [US2607334](#) A [];
[US4069806](#) A []; [US5179932](#) A [];
[DE1017762](#) B []
- CCI - [A47J37/0763](#) ; [A47J36/2477](#)
- CCA - [A47J37/041](#) ; [A47J37/0704](#)
- TI - Collapsible barbeque and cooking stove
- AB - A collapsible cooking stove including a lower housing, an upper housing, a fire chamber assembly, and at least one left mechanism. The upper housing and fire chamber assembly are interconnected by a pair of mating flanges disposed on the upper housing and fire chamber assembly. The fire chamber assembly is interconnected with the lower housing by at least one retaining clasp associated with the fire chamber assembly that interfaces with a retaining surface located on the lower housing. The upper housing and lower housing are further interconnected by the at least one collapsing leg mechanism,

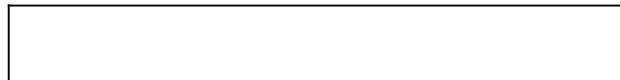


which has a leg rotationally affixed to the upper housing and a linkage member rotationally affixed to both the leg and the lower housing. The collapsible cooking stove can be uncollapsed for cooking by **lifting** upwards on the upper housing, preferably using a bail attached to the upper housing. The collapsible stove is useful for many types of cooking and is adaptable for use with a number of utensils including a cooking plate, a grill, a wok, a Dutch **oven**, and a rotisserie. After use, the collapsible cooking stove can be collapsed for storage by **lifting** upwards on the lower housing, preferably at the bottom edge. In the collapsed condition, the collapsible cooking stove is characterized by minimal volume and low aspect ratio.

TXT - with second small unit nestable in first one

44/56 © EPODOC / EPO

PN - [US3845753](#) A 19741105
 PR - US19740468227 19740509
 AP - US19740468227 19740509
 DT - *
 CT - [US489711](#) A []; [US1404808](#) A [];
[US1458409](#) A []; [US2715897](#) A [];
[GB191423041](#) A []
 CCI - [A47J37/0786](#)
 PA - JACKSON W
 TI - **OVEN** ENCLOSURE FOR A GRILL
 AB - A foldable enclosure for placing over a charcoal grill or the like so as to roast or bake viands. An enclosure formed of five relatively light weight panels that are joined together with hinges, the hinges performing the



dual function of reinforcing the panels and permitting the panels to be folded so that the enclosure can be transported in a flat condition. A clip for retaining the enclosure in a folded condition. Handles for **lifting** the enclosure during use of the same and for expediting transportation of the enclosure in a folded condition.

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- PN - [US4903683](#) A 19900227
- PR - US19880253164 19881003
- AP - US19880253164 19881003
- DT - *; Rep
- CT - || STSE (A)
[US163659](#) A 18750525 [];
[US554150](#) A 18960204 [];
[US627668](#) A 18990627 [] (HOLT FRANK A [US]);
[US3068852](#) A 19621218 [] (PURTZER EDWARD J);
[US3339505](#) A 19670905 [] (BEAN GEORGE G);
[US3765397](#) A 19731016 [] (HENDERSON R);
[US4133335](#) A 19790109 [] (MALAFOURIS DANNIE O);
[US4222599](#) A 19800916 [] (GALE MYRON C, et al);
[US4227510](#) A 19801014 [] (FRAZIER ROBERT D, et al);
[US4328783](#) A 19820511 [] (MARTENSON DONALD S);
[US4510916](#) A 19850416 [] (OGDEN RALPH [US]);
[US4624238](#) A 19861125 [] (HAIT PAUL W [US])
- CCI - [A47J37/0713](#) ; [F24C1/16](#)
- CCA - [Y02A40/928](#)
- PA - LARSEN DARWIN W [US];
 THOMPSON JACK C [US]
- TI - Apparatus and method for dutch **oven** cooking over charcoal



AB - A system, including apparatus and methods, which facilitates the use of dutch ovens, usually combined with a charcoal heating source, in outdoor cooking. The first apparatus is a safe, independent, time-efficient device which quickly preheats charcoal briquettes contained in a portable hopper, accomplishing the same by means of a self-contained, transportable, propane-fueled burner. A second apparatus is a sturdy, portable cooking stand, which, in the "as used" position, provides a safe, elevated site whereupon the charcoal heating source and a plurality of dutch ovens can be conveniently placed for cooking purposes, and which, in the "as transported" position, is disassembled and may be carried facilely to more desired locations. The third apparatus is a T-handled dutch **oven** and dutch **oven** lid **lifting** device whereby said ovens and/or lids may be conveniently and safely removed from and replaced on the heating source.

46/56 © EPODOC / EPO

PN - [TWM289321U](#) U 20060411
PR - TW20050217593U 20051012
AP - TW20050217593U 20051012
DT - I
PA - WENG ZI-YOU [TW]
TI - **Roaster** with **lifting** and falling function

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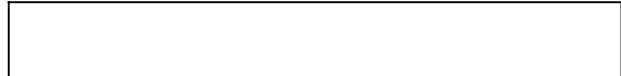
PN - [JPH10234587](#) A 19980908
PNFP - JP3782197B B2 20060607
PR - JP19970063858 19970303

AP	- JP19970063858 19970303
DT	- I
FI	- A47J37/06&326; A47J37/07
FT	- 4B040/AA02; 4B040/AA03; 4B040/AB08; 4B040/AC09; 4B040/AD02; 4B040/AE13; 4B040/EA10; 4B040/EA20; 4B040/EB06; 4B040/EB14; 4B040/EB20; 4B040/ED01; 4B040/ED05; 4B040/GA06; 4B040/GA15; 4B040/GB02; 4B040/GB10; 4B040/GC02; 4B040/GD02; 4B040/GD04; 4B040/JA02; 4B040/JA04; 4B040/JA05; 4B040/JA12; 4B040/NA02
PA	- (A) KITAJIMA KIYOHISA
TI	- (A) ROASTER
AB	- (A) PROBLEM TO BE SOLVED: To provide a simple roaster which cooks fish or beef with the enjoyable flavor of cooked food. SOLUTION: This roaster of metal is composed of a pair of mutually fitting- type split box members 2, 3 with inwardly drawn parts 8a, 8b of the lower end part and a stand 1 which supports the split box members 2, 3 in a mutually fitting state. One 2 of the split box members 2, 3 has a hugging piece 6 formed by bending both lateral edges of the inwardly drawn part 8a inwardly and at the same time, a juice receiving groove 4 formed crosswise in the bottom end part. Further, the split box member 2 has a fitting part 5 provided on the intermediate part of a back wall in such a manner that the bottom part of the split box member 2 can be set right above the pedestal part 1b of the stand 1 and at

an **elevation** where a heating tool is placed. In addition, a roasting space S is internally formed by fitting the inwardly drawn part 8b of the other split box member 3 into the hugging piece 6 of the split box member 2 to combine both split box members 2, 3 into a mutually fitting state.

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- PN - [FR2800257](#) A1 20010504
- PNFP - FR2800257 B1 20020208
- PR - FR19990013947 19991102
- AP - FR19990013947 19991102
- DT - *; Rep
- CT - || STSE (A1)
[US4577092](#) A 19860318
 [X] (LENOIR JACQUES A [FR])
 [X] 1
 * the whole document *;
[US5213027](#) A 19930525
 [A] (TSOTSOS THOMAS A [US], et al)
 [A] 1,3
 * column 2, line 58 - line 65 *
 * column 3, line 9 - line 39;
 figure - *;
[FR2494977](#) A3 19820604
 [A] (TRAITEMENTSTHERMIQUES SA [CH])
 [A] 1
 * page 2, line 29 - page 3, line 16; figures 5-8 *;
[FR2727300](#) A1 19960531
 [A] (ROTH BERNARD [FR])
 [A] 3
 * abstract *;
[US4365613](#) A 19821228
 [A] (SEKI JAMES, et al);
[US4442824](#) A 19840417
 [A] (AMICI CARMINE J [US])
- CCI - [A47J37/0605](#) ; [A47J37/0647](#) ;
[A47J37/074](#)
- PA - (A1 B1)
 DAMON RAYMOND JACQUES



MARCEL [FR]

TI - (A1)
 Infra-red gas or electric food grill for barbecues, comprises flat grill and position for rotating food to be cooked

AB - (A1)
 The grill has sets of pivoting infra-red emitters (3) fitted to a stainless steel grill frame (4) and connected to a gas (1) or electricity supply. The emitters can pivot at the end of a bar (19) by means of an heat insulated handgrip (18) so that it is raised. With the emitters in the horizontal position normal flat **grilling** can be done, with the emitter raised the cook is able to turn over the food to be cooked. The grill has a flat water (8) tank (10), on which the food (9) is placed. The whole is connected to a **lifting** screw (12) which raises or lowers the food support (10) according to the required cooking method. The water tank receives fat and juices from the cooked food.

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PN - [FR2798574](#) A1 20010323

PNFP - FR2798574 B1 20020405

PR - FR19990011863 19990921

AP - FR19990011863 19990921

DT - *; Rep

CT - || STSE (A1)
[WO9405192](#) A1 19940317
 [X] (BUERGE PHILIPPE [CH], et al)
 [X] 1,2,16-18
 * page 4, paragraph L - page 7, paragraph 1; figures 1-6 *;
[DE2849243](#) A1 19800514
 [X] (HELLMUTH HANS JOCHEM)
 [X] 1,2,16-18
 * page 4, paragraph 1 - page 5, paragraph L; figures 1,2 *



CCI - [A47J37/0704](#)

PA - (A1 B1)
AUBERT JEAN PIERRE [FR]

TI - (A1)
Improved barbecue or **grilling**
cooking unit

AB - (A1)
Cooking unit has a casing
support (3), a cooking support
(1) fixed in a movable manner to
the casing, and an pivoting **lifting**
arrangement (11,15,9,12,17,23)
for **lifting** the cooking support
and moving it from the heating
area. The cooking support is
movably fixed to the casing and
is movable away from the cone
of the heating flame by a
translation movement.

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PN - [CN2710506Y](#) Y 20050720

PR - CN2004272283U 20040729

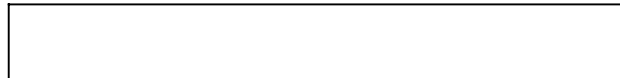
AP - CN2004272283U 20040729

DT - I

PA - MAI ZHENGHUI [CN]

TI - Folding **roaster**

AB - The utility model discloses a
folding **roaster**, comprising
a **roaster** body. The left and right
ends of the upper end of
the **roaster** body are provided
with a left outer case and a right
outer case. The **roaster** is
provided with a shaft and the left
and right outer cases are
connected with the **roaster** body
by the shaft. The outer case is
provided with a left bracket and
a right bracket. The
folding **roaster** is characterized
in that the **roaster** body is also
provided with a **lifting** lamp
bracket, the **lifting** lamp bracket
is provided with a light assembly
and the lower end of the lamp
bracket is provided with a



folding supporting rod. The utility model has the advantages that the folding **roaster** has simple structure, and because the folding **roaster** body is provided with the lamp bracket for adjusting the height and the lamp bracket is provided with the light assembly, the range of irradiation of the light is greatly enlarged and then people can use the folding **roaster** outdoor more conveniently. Besides, when the **roaster** is not used, the lamp bracket for adjusting the height can be folded and then the structure of the folding **roaster** is more compact and portable and the folding **roaster** also has stronger practicability.

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PN - [CN2257155Y](#) Y 19970702

PR - CN1996214085U 19960628

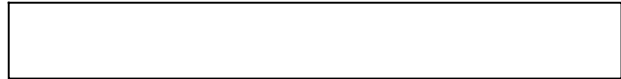
AP - CN1996214085U 19960628

DT - I

PA - YOU YONGZHU [CN]

TI - Pivoted base for handle of handy and practical **roaster**

AB - The utility model relates to a handy and practical pivoted seat for a **lifting** handle of a roasting stove. The utility model is fixed on both sides of a stove body, and each pivoted seat is a right-angled fan-shaped body of which the center is provided with a pivot hole which can be inserted with the pivoting end of the **lifting** handle; the two right-angled edges of the utility model are respectively extended with a plate-shaped buckling part which is parallel with the plane of the fan-shaped body, the free ends of the buckling parts are respectively provided with a



buckling edge slightly raised towards the plane of the fan-shaped body, a positioning slot of the **lifting** handle is formed in the vertical direction between the buckling parts and a fan-shaped plane, and a handle depending slot of the **lifting** handle is formed in the horizontal direction and the fan-shaped plane. When the utility model is used, the **lifting** handle is erected in the positioning slot and can be used for **lifting** the stove body; when a stove cover is opened, the top of the stove cover can be clamped and arranged on a horizontal **lifting** handle in the handle depending slot. The utility model has the advantages of convenient use.

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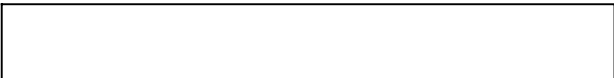
PN - [CN2627960Y](#) Y 20040728
 PR - CN2003206863U 20030805
 AP - CN2003206863U 20030805
 DT - I
 CCI - [A47J37/0731](#) ; [A47J37/0786](#)
 CCA - [A47J37/0704](#)
 PA - JIANG MEIDE [CN]
 TI - Backing **oven** for barbecues
 AB - The utility model discloses a food processing equipment, which is aimed at providing a more convenient barbecue **oven** that, which not only provides barbecue, but also has the advantages of adding charcoal, effectively regulating the distance between charcoal basin and the barbecued food to barbecue different food, and removing the ash remains after barbecue directly. Charcoal pot of the barbecue **oven** is of drawer type and is provided with charcoal pans inside. A window



is positioned on the side
 wallside wall of the
 barbecue **oven** body and the
 drawer type charcoal pot is
 arranged in the window. A **lifting**
 device for carbon pans also is
 also arranged in the drawer type
 charcoal pot. The **lifting** device is
 connected with the carbon pans
 and the carbon pot respectively.

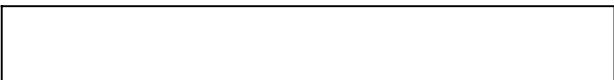
53/56 © EPODOC / EPO

PN - [CN2576143Y](#) Y 20031001
 PR - CN2002249186U 20021104
 AP - CN2002249186U 20021104
 DT - I
 PA - LIU ZHIXIONG [CN]
 TI - **Roaster**
 AB - The utility model relates to
 a **roaster**. The utility model is
 characterized in that a **roaster**
 body is connected with a **lifting**
 rod; a grid for placing food is
 connected to the **lifting** rod;
 a **lifting** rod locking mechanism
 is arranged on the **roaster** body.
 The utility model has the
 advantages that the height of the
 grid can be regulated by
 regulating the height of the **lifting**
 rod, and operation is convenient.



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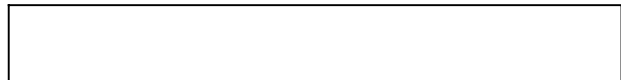
PN - [CN2478507Y](#) Y 20020227
 PR - CN2001242052U 20010608
 AP - CN2001242052U 20010608
 DT - I
 PA - LUO GUOXIN [CN]
 TI - Portable **oven**
 AB - A portable barbecue furnace
 comprises a furnace body, a
 furnace door, a barbecue net, a
 fire grate and a **lifting** handle
 and is characterized in that the
 furnace body is a tubby
 structure, and a furnace door is



arranged at the side of the furnace body. A fire grate is positioned at the site at a proper height from a bottom of a barrel. An ash collecting chamber is arranged below the fire gate, and an air damper is positioned at the side of the furnace body of the ash collecting chamber. A **lifting** handle is arranged above the side of the furnace body, and an upper port of the furnace body can be narrowed and matched with a stainless steel bowl. Compared with the prior barbecue furnace, the utility model has reasonable structure, multiple functions, small volume, and is easy for carrying and convenient in use, and the wind proofing performance is good.

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PN - [CA2059095](#) A1 19920712
 PR - US19910641128 19910111
 AP - CA19922059095 19920110
 DT - I
 CCI - [A47J37/0745](#)
 PA - JETTE CLAUDE [CA]
 TI - MOVABLE GRILL FOR A BARBECUE
 AB - TITLE MOVABLE GRILL FOR A BARBECUE APPLICANT CLAUDE JETTE INVENTOR Claude JETTE In barbecuing, food generally sticks to a fixed grill rack. This invention provides means for keeping the food "unstuck" while cooking and this is achieved by moving two adjacently disposed **grilling** racks, one having a fixed **elevation** relative to the underlying coals, the other relatively movable from a plane beneath that of the fixed rack to a plane above the fixed rack, thereby causing the food to move



between movable rack and fixed rack, keeping the food "unstuck".

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PN - [KR100846317B](#) B1 20080715
PR - KR20080042243 20080507
AP - KR20080042243 20080507
DT - I
CT - || STSE (B1)
[KR20010105598](#) A 20011129 [
] (PARK DONG JUN [KR]);
[JP2000279243](#) A 20001010 [
] (SHIBATA KUNIMORI);
[KR200287478Y](#) Y1 00000000 [];
[KR200321207Y](#) Y1 20030725 [];
[KR200338472Y](#) Y1 20040116 []
CNOI - [A47J37/049](#) ; [A47J37/0694](#) ;
[A47J37/0786](#)
CNOA - [A47J2037/0795](#)
PA - GIM IN YEONG [KR]
TI - FOOD **ROASTER** HAVING A
VERTICALLY MOVABLE GRILL
AB - A **roaster** having a height
adjustable upper plate is
provided to allow a user to
easily adjust the height of the
grill to evenly roast the meat,
and prevent frequent troubles of
the **roaster** by employing a
relatively simple mechanical
configuration. A **roaster**(1)
having a height adjustable upper
plate(6) comprises a first rotary
shaft(11) installed on a sidewall
of a **roaster** body, a driving
chain gear(10) installed on the
first rotary shaft, a second
rotary shaft installed on the
sidewall of the **roaster** body, a
driven chain gear, and first and
second chain gears that are
installed on one end of the
driven chain gear, a third chain
gear installed on the other end of
the second rotary shaft, a third
rotary shaft installed on the
sidewall of the **roaster** body,



fourth and fifth chain gears installed on one end of the third rotary shaft, a sixth chain gear installed on the other end of the third rotary shaft, a first chain connecting the driving gear to the driven gear in a shape of closed loop, a second chain connecting the first chain gear to the fourth chain gear in a shape of closed loop, a cover(1c,1d) installed on the sidewall of the **roaster** body to make one end of the first rotary shaft exposed to the outside, a fitting pin fixing plate(31) secured on the outside the cover, having a plurality of support holes(32) along its circumference, a rotary plate(34) having a stopper(33) and a handle(34a) on the front side and secured on one end of the first rotary shaft to come in contact with the fitting pin fixing plate, first, second, third, and fourth **lifting** members(40-43) installed on edges inside the **roaster** body, each having an end removably inserted to the upper plate, and a pulling member whose one end is connected to the second and third chain gears and fifth and sixth chain gears, and the other end is connected to each lower side of the first, second, third, and fourth **lifting** members. The height of the upper plate can be adjusted from a heating source by **lifting** and lowering the first, second, third, and fourth **lifting** members by turning the handle, which allows the second and third chain gears and fifth and sixth chain gears to be rotated to wind and unwind the pulling member.

[SS 7] ..v

[EPODOC: SS 7]