

Search history

Search 1: FT=(PORTABLE~ AND STOVE~) (Results 129159)
Search 2: FT=(PORTABLE~ AND STOVE~ AND FAN~ AND BLOWER) IC=(F24B) (Results 0)
Search 3: FT=(PORTABLE~ AND STOVE~ AND FAN~) IC=(F24B) (Results 0)
Search 4: F24B (Results 178)
Search 5: 1 and 4 (Results 50)

Title: "improvements in or relating to heating appliances"

Abstract: 849,880. **Stove** doors. STERLING INCANDESCENT CO. Ltd. April 22, 1959, No. 13713/59. Class 126. A **portable**, oil-burning, heating appliance comprises a cabinet 1 and an access door 4 pivoted thereto so as to be capable of articulated motion with respect to the cabinet 1 through successive dispositions which are mutually substantially parallel. As shown, the door 4 has at each side a pair of arms such as 10 and 11, pivoted at one end to the door and at the other to the side wall such as 2 of the cabinet and is held in its fully open position (not shown) by the action of gravity. Alternative spring or magnetic retaining means may be used and the corresponding arms of each pair may be linked by a rigid, integral, intermediate **portion** extending across the door 4.

Classifications:

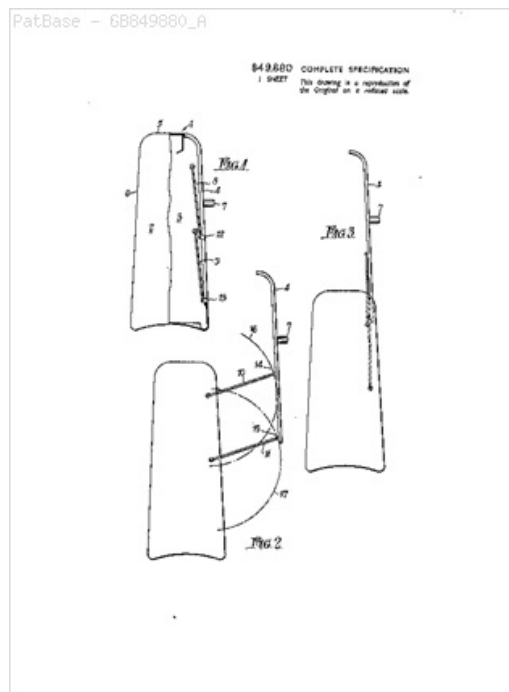
International (IPC 8-9): F24C15/00 F24C15/02 (Advanced/Invention);

F24C15/00 F24C15/02 (Core/Invention)

International (IPC 1-7): F24C15/00

CPC: F24C15/002 F24C15/02

European: F24C15/00A1 F24C15/02



Family:

Publication number	Publication date	Application number	Application date
GB849880 A	19600928	GB19590013713	19590422

Priority:

GB19590013713 19590422

Probable Assignee: STERLING INCANDESCENT COMPANY

Assignee(s): (std): STERLING INCANDESCENT COMPANY

Assignee(s): STERLING INCANDESCENT COMPANY LIMITED ; STERLING INCANDESCENT CO

Inventor(s): (std): RUFFELL LESLIE ERNEST

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB849880 A	19600928	LSGT	+	granted / extensions (spc, cpc, pte)	
GB849880 A	19790422	PEXP		Calculated Patent Term Expiry	

Title: MULTI-PURPOSE COOKING UNIT

Abstract: 842,648. Cooking-**stoves**. ELEKTROLUX A.B. Feb. 15, 1957 [March 1, 1956], No. 5233/57. Classes 39(3) and 126. A cooking **stove** comprises a casing supporting two sources of heat adjustable into one position wherein one heat source is at a higher level than the other and into another position wherein both heat sources are located so as to be substantially coincident. As shown, a **stove** comprises two side walls 11, a base plate 12 and an intermediate bottom plate 13, and a rear wall 14 slightly in front of which is two-part partition wall constituted by a stationary member 15 and a vertically movable member 17 which may be raised and lowered by means of a chain 19. The upper part of the member 15 carries a stationary electric heating element 23, which forms a hotplate, and the upper part of the movable member 17 carries a heating element 24 which in its uppermost position nests into the element 23 to form a common hotplate. Ledges 25 on the inner faces of the side walls 11 may support an oven chamber formed by two pans 26, 27. The space between wall 14 and the member 15 may contain electric conductors connected to the heating elements, and the space between the base plate 12 and the intermediate plate 13 may contain members for regulating the operation of the **stove**. The **stove** may be used simultaneously for baking in the oven 26, 27 boiling or frying on the hotplate 23 and grilling below the element 24. By raising the movable element 24 to its uppermost position, an increased heating effect is obtained for boiling c. above the common hotplate and grilling below it.

Classifications:

International (IPC 8-9): A47J37/06 F24C7/06 (Advanced/Invention);
A47J37/06 F24C7/00 (Core/Invention)

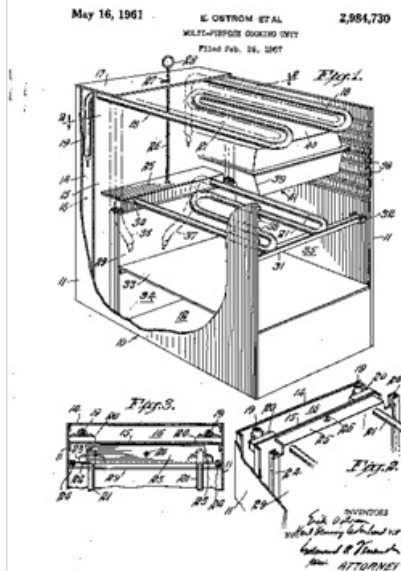
International (IPC 1-7): A21B2/00 A47J37/06 B29J5/04 F24C7/06
H05B3/02

CPC: F24C7/06

European: F24C7/06

US: 219/395 219/404 99/390

PatBase - US2984730_A



Family:

Publication number	Publication date	Application number	Application date
CH354869 A	19610615		19570227
DE1176334 B	19640820	DE1957A026610	19570221
FR1182248 A	19590623		19570301
GB842648 A	19600727	GB19570005233	19570215
US2984730 A	19610516	US19570642456	19570226

Priority:

19560301 DE1957A026610 19570221 US19570642456 19570226

Probable Assignee: ELECTROLUX AB

Assignee(s): (std): ELECTROLUX AB

Assignee(s): ELEKTROLUX AB ; AKTIEBOLAGET ELECTROLUX ; AKTIEBOLAGET ELEKTROLUX

Inventor(s): (std): ERIK OSTROM ; ERIK OSTROM ; HENNING CEDERLUND KARL ; KARL HENNING SR CEDERLUND ; OESTROEM ERIK ; SEN KARL HENNING CEDERLUND

Inventor(s): CEDERLUND KARL HENNING ; OSTROM ERIK ; OSTROM ERIK ; HENNING SR CEDERLUND KARL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CH354869 A	19610615	LSGT	+	granted / extensions (spc, cpc, pte)	
CH354869 A	19770227	PEXP		Calculated Patent Term Expiry	
DE1176334 B	19640820	LSPB	+	published / reissued	
FR1182248 A	19590623	LSGT	+	granted / extensions (spc, cpc, pte)	

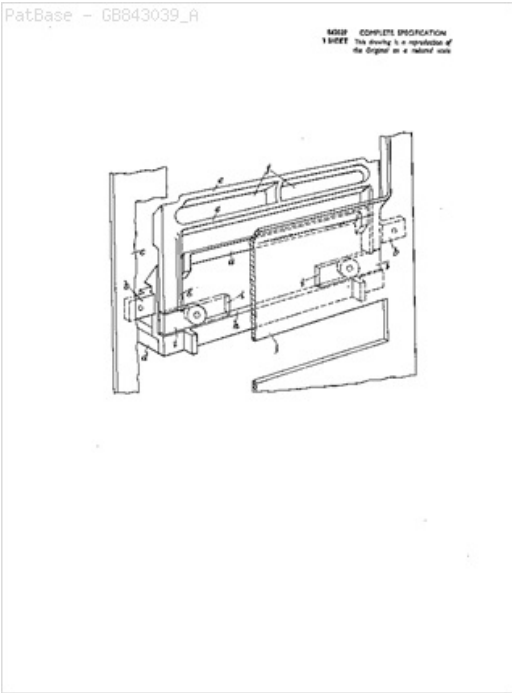
FR1182248 A	19770301	PEXP		Calculated Patent Term Expiry
GB842648 A	19600727	LSGT	+	granted / extensions (spc, cpc, pte)
GB842648 A	19770215	PEXP		Calculated Patent Term Expiry
US2984730 A	19610516	LSGT	+	granted / extensions (spc, cpc, pte)

Title: Grates.

Abstract: 843,039. Grates. RADIATION Ltd. Feb. 20, 1959 [Feb. 28, 1958], No. 6500/58. Class 126. A **stove** or fire grate front comprises a fixed part a of a height which renders the grate suitable for the burning of coal and a vertically adjustable part e which in its raised position renders the grate suitable for the burning of coke. Legs g on the part e move in guides on the part a and rest on stops i on the part a when the part e is in the raised position. In the lowered position, the legs g rest on a shoulder h on the part a, the stops i being pivoted to the dotted line position. An outer front **portion** j may enclose the part a and carry the stops i on its rear side.

Classifications:

International (IPC 1-7): F24B13/02



Family:

Publication number	Publication date	Application number	Application date
GB843039 A	00000000		00000000

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB843039 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: OVEN RACK ELEVATING AND LOWERING MECHANISM

Abstract: 928,939. Vertically adjustable oven shelves. MOFFATS Ltd. July 31, 1961 [March 1, 1961], No. 27752/61. Class 126. [Also in Group XIV] A vertically adjustable shelf carrying assembly for a domestic oven comprises two hollow vertical columns 17 and 18 of rectangular crosssection extending upwardly into the oven through apertures 19 and 20 and joined below the oven by a cross-piece 30 whose vertical position is controlled by a motor-driven screwthread 34 acting on a nut 44 attached to the cross-piece. An outer casing 10 contains, above a horizontal partition 11, the oven which comprises bottom and top walls 12 and 16, side walls 13 and 15, and a back wall 14, and is supported by brackets on the casing 10. Apertures 21 and 22 are disposed in the top wall 16 above apertures 19 and 20 to accommodate the columns 17 and 18, these four apertures being provided with guides 23 including rollers 24 which bear against the columns. At their lower ends the columns 17 and 18 slide over pillars 28 provided with compression springs 29 which support the columns against gravity. The nut 44 is loosely held in a bracket 45 of cross-piece 30, thus allowing for thermal expansion, and misalignment of parts in assembly so that binding of nut 44 on thread 45 is prevented. A switch 42 controls a reversible motor 31, mounted in a bracket 32, which drives the screw-thread 34. The motor may be operated to position the shelf in any position between the limits defined by switches 46 and 48 at which limits a projection 50 on cross-piece 30 engages the switches and breaks the circuit supplying power to the motor. A shelf 51 is supported by horizontal arms 52 and 53 which are attached to the vertical columns by bracket means, Fig. 2 (not shown). The arms 52 and 53 are channel-shaped and provide a guide for rollers 66 mounted on brackets 67 of shelf 51 so that the latter may be readily pulled out from the oven.

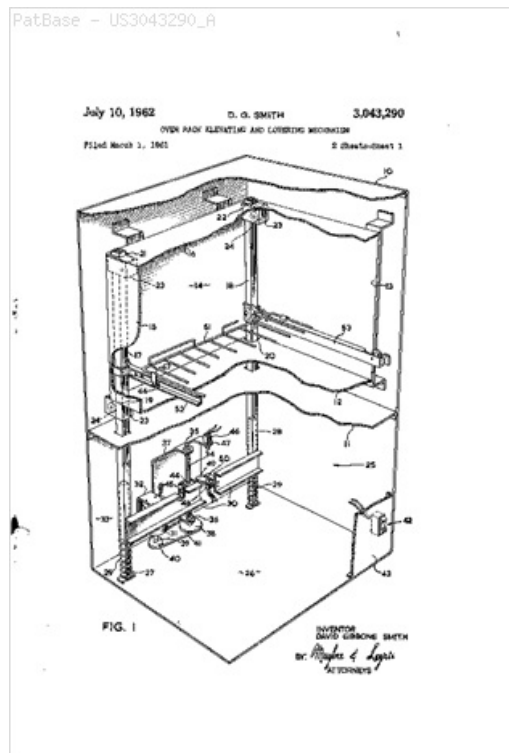
Classifications:

International (IPC 8-9): F24C15/16 (Advanced/Invention);
F24C15/16 (Core/Invention)

International (IPC 1-7): F24C15/16
CPC: F24C15/16

European: F24C15/16

US: 126/337A 248/245 312/306

**Family:**

Publication number	Publication date	Application number	Application date
GB928939 A	19630619	GB19610027752	19610731
US3043290 A	19620710	US19610092665	19610301

Priority:

US19610092665 19610301

Probable Assignee:

MOFFATS LTD

Assignee(s): (std):

MOFFATS LTD

Assignee(s):

MOFFATS LIMITED

Inventor(s): (std):

GIBBONS SMITH DAVID

Inventor(s):

SMITH DAVID GIBBONS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB928939 A	19630619	LSGT	+	granted / extensions (spc, cpc, pte)	
GB928939 A	19810731	PEXP		Calculated Patent Term Expiry	
US3043290 A	19620710	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: SCHORNSTEIN FUER EIN HEIZGERAET CHIMNEY FOR A HEATER (Machine translation)

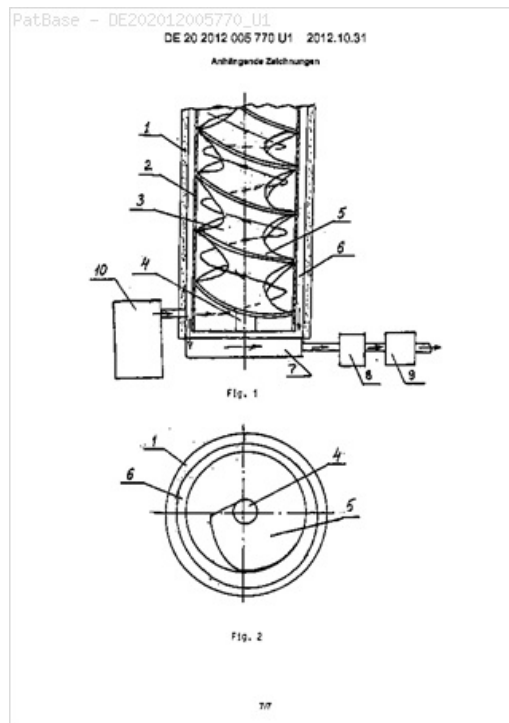
Abstract: Source: DE202012005770U1 [DE] Schornstein fuer ein Heizgeraet (10) in Form eines senkrechten Rohrs, das eine Einrichtung (8) fuer den Abzug des Rauchs aufweist, dadurch gekennzeichnet, dass er aus einigen Abschnitten eines metallischen Rohrs gebildet ist, wobei jeder Abschnitt mit einer Schraubenbeilage (3) versehen ist, dass die Schraubenbeilagen (3) in einem geschlossenen zylindrischen metallischen Mantel (2) angeordnet und auf einem metallischen Kern (4) mit dem Rand eines metallischen Bands (5) aufgeschweisst sind, dass das Band (5) mit dem aeusseren Rand dicht an die Wand des Mantels (2) angrenzt, dass der Schritt der Spirale nicht kleiner ist als die Breite des Bands (5) und dass der Mantel (2) mit der eingebauten Schraubenbeilage (3) innerhalb des Hemds (1) des Schornsteins mit einem zylindrischen Spielraum (6) ueber die ganze Hoehe der Schraubenbeilage (3) reicht.

Machine translation: Chimney for a heater (10) in the form of a vertical pipe, which comprises means (8) for the release of smoke, characterized in that it is formed of several sections of a metallic tube, in which (each **portion** with a helical insert provided 3), is that the screw inserts (3) (in a closed cylindrical metallic shell 2 is arranged), and on a metallic core (4) with the edge of a metal band (5) are welded to the outer said band (5) with the edge close to the wall of the shell adjacent (2), that the step of the spiral is not smaller than the width of the belt (5) and that the casing (2) with the installed helical insert (3) inside of the skirt (1) of the chimney with a cylindrical room (6) over the entire height of the helical insert ranges (3).

Classifications:

International (IPC 8-9): F23J11/00 (Advanced/Invention)

CPC: F23J11/00 F23L17/16



Family:

Publication number	Publication date	Application number	Application date
DE202012005770 U1	20121031	DE201220005770U	20120614

Priority:

DE201220005770U 20120614

Probable Assignee:

MANVELYAN MICHAEL

Assignee(s): (std):

MANVELYAN MICHAEL

Assignee(s):

MANVELYAN

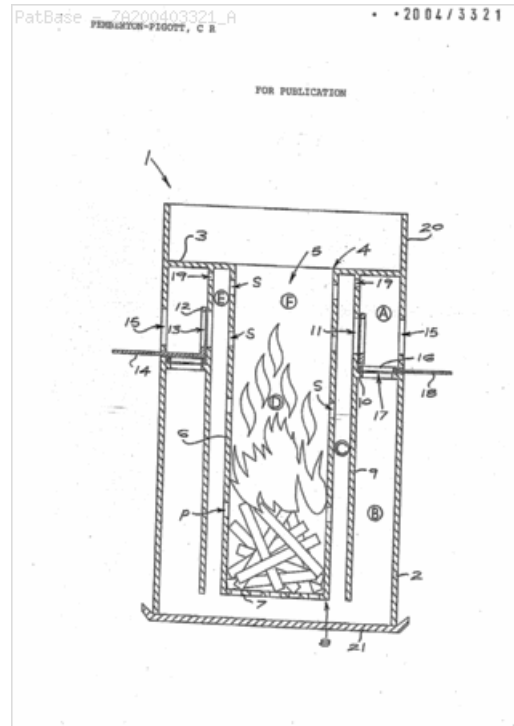
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Patent	Date recorded	Event group	Code	Event	Details
DE202012005770 U1	20121031	LSGT	+	granted / extensions (spc, cpc, pte)	
DE202012005770 U1	20121031	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20121031
DE202012005770 U1	20160101	LSLE	-R156	LAPSE OF IP RIGHT AFTER 3 YEARS	
DE202012005770 U1	20220614	PEXP		Calculated Patent Term Expiry	

Title: STOVE

Abstract: ABSTRACT **F24B** The invention provides a **stove** having an outer housing with a platform extending inwardly from the housing to a first open end of an inner combustion chamber with perforated walls and a perforated fuel support at its second end opposite to the first end, a flue extending over the combustion chamber from the platform, with the housing having at least one inlet and the flue having at least one vent spaced apart from and near the platform. An adjustable damper is provided to control flow from the at least one inlet to the combustion chamber at or near its second end. The control of primary air supply afforded by the damper enables improved control over heat output from the fire. In particular, when this air is substantially shut off fuel in the combustion chamber pyrolyzes, emitting significant quantities of unburned gases. The pre-heated secondary air entering the combustion chamber via the flue vent burns the gases produced when in this gasifying mode. In the result, there is a desirable reduction in the fuel consumption rate.

Classifications:**International (IPC 8-9):** F24B (Subclass/Invention)**International (IPC 1-7):** F24B**Family:**

Publication number	Publication date	Application number	Application date
ZA200403321 A	20041108	ZA20040003321	20040503
ZA200403321 A	20050126	ZA20040003321	20040503

Priority:

ZA20030000626 20030203

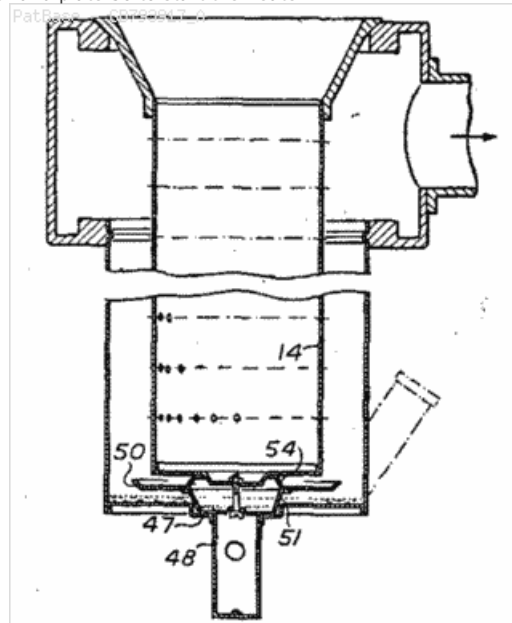
Probable Assignee: PEMBERTON PIGOTT CRISPIN ROBERT**Assignee(s):** (std): PEMBERTON PIGOTT ; ROBERT CRISPIN ; PEMBERTON PIGOTT CRISPIN ROBERT**Assignee(s):** CRISPIN ROBERT**Inventor(s):** (std): CRISPIN ROBERT PEMBERTON PIGOTT ; PEMBERTON PIGOTT ; ROBERT CRISPIN**Inventor(s):** CRISPIN ROBERT**Legal status (INPADOC)**[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
ZA200403321 A	20041108	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200403321 A	20050126	LSGT	+	granted / extensions (spc, cpc, pte)	
ZA200403321 A	20240502	PEXP		Calculated Patent Term Expiry	
ZA200403321 A	20240502	PEXP		Calculated Patent Term Expiry	

Title: Liquid fuel **stoves**.

Abstract: 793,917. Liquid fuel **stoves**. MATTHES, H., and MATTHES, H. J. R. Oct. 30, 156 [Nov. 4, 1955], No. 33088/56. Class 126 In a liquid fuel **stove** having a central air supply tube extending within the combustion chamber to nearly the level of the fuel, an evaporation chamber below the perforated end of the air tube and of less cross-section than the air tube is surrounded by a plate below and parallel to the end wall of the air tube, the wall of the evaporation chamber and the side walls of the air tube are perforated, and the evaporation chamber below the plate is open to the combustion chamber which surrounds the air tube to the level of the flue outlet. Fuel is fed to the lower tubular part 48 of the evaporation chamber which depends from a deepened central part 47 of the bottom of the combustion chamber. The upper part of the evaporation chamber is formed by a ring 51 of greater diameter than the lower part 48 supported within but spaced from the bottom of a central dish part 47, and the perforated central part of a saucer-shaped annular plate 50. Oil within the evaporation chamber vaporizes and passes out of the holes 54 in the central part of the plate 50 together with air from the central holes in the bottom of the air tube 14, and burns with secondary air from the outer holes in the air tube bottom to heat the plate 50 and cause the fuel outside the evaporation chamber to vaporize and burn in the annular combustion chamber with air from holes in the vertical walls of the air tube 14. Spirit is poured in to the bottom of the combustion chamber to heat the evaporation chamber and plate 50 to start the heater.

Classifications:



Family:

Publication number	Publication date	Application number	Application date
GB793917 A	00000000		00000000

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB793917 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Improvements relating to oil burning space heaters

Abstract: 910,174. Oil-burning heating **stoves**. LION STAMPING CO. Ltd. March 1, 1961 [March 1, 1960], No. 7241/60. Class 126. An oil-burning space heater comprises a burner-in a casing which has a heat-emitting opening in its front and an imperforate back, or a reflector partition between the burner and the back; and an oil container in front of, and below the top of, the burner. The main casing 1 comprises a front opening 2 with a bottomhinged mesh guard 4, and a surrounding frame 3. Inside this casing is an inner casing 8 with a polished surface 9 at its top. The oil container 11 has a handle 12 and fits loosely within the housing 10 in front of the main casing, the housing having a hinged cover 13 with a polished top surface. Between the container and the burner 6 are three walls 14, 16, and 15 containing air spaces which are open at their top and bottom ends. The oil from the container passes through a drip feed valve 19, which is operated by a pin 21, into a lower cup 22 with a sump 23 from which a pipe 25 leads to a manual control valve 26 of the type disclosed in Specification 821,851. Oil from valve 26 passes to the annular bowl 23 of the burner 6, disclosed in Specification 877,097. Between the bowl 29 and the bottom plate 35 of the casing is an annular gap 34 leading into a cup 36, and causing a complete change of direction of the primary air flow before passing up through the bowl. Secondary air can reach the burner through the bottom annular space between the walls 32 and 33. Hinged covers 38, 40 controlling openings 37, 39 in the top of the casings 1, 8 are actuated by a bimetallic strip, as described in Specification 910,173.

Classifications:

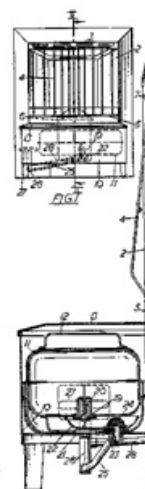
International (IPC 8-9): F23D3/00 F23D5/00
F24C5/08 (Advanced/Invention)

International (IPC 1-7): F24C5/08

CPC: F23D3/00 F23D5/00 F23D2700/021 F24C5/08

European: F23D3/00 F23D5/00 F24C5/08 R23D700/021

PatBase - GB910174_A



Family:

Publication number	Publication date	Application number	Application date
GB910174 A	19621114	GB19600007241	19600301

Priority:

GB19600007241 19600301

Probable Assignee: LION STAMPING COMPANY LTD

Assignee(s): (std): LION STAMPING COMPANY LTD

Assignee(s): LION STAMPING CO LTD ; LION STAMPING COMPANY LIMITED

Inventor(s): (std): HOLMES EDWARD WILLIAM ; RICHARDS GEORGE WILLIAM FRANCIS

Inventor(s): RICHARDS GEORGE WILLIAM FRANCIS

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB910174 A	19621114	LSGT	+	granted / extensions (spc, cpc, pte)	
GB910174 A	19800301	PEXP		Calculated Patent Term Expiry	

Title: FUEL BURNING HEATING APPARATUS

Abstract: A heating apparatus for operating in one or the other of two combustion modes has a frame assembly enclosing a primary and secondary combustion chamber. A baffle, separating the chambers, provides for gaseous communication therebetween. Preheated primary and secondary combustion air is directed in a controlled fashion to the front of the frame assembly across a viewing window to keep the window clear. The apparatus further has an off center damper movement system, means for defining a secondary air flow path through the primary combustion chamber, and a structure which can be changed for operation either as a wood burning or a coal burning **stove**.

Classifications:**International (IPC 8-9):** F24B1/02 F24B13/02 F24B5/00

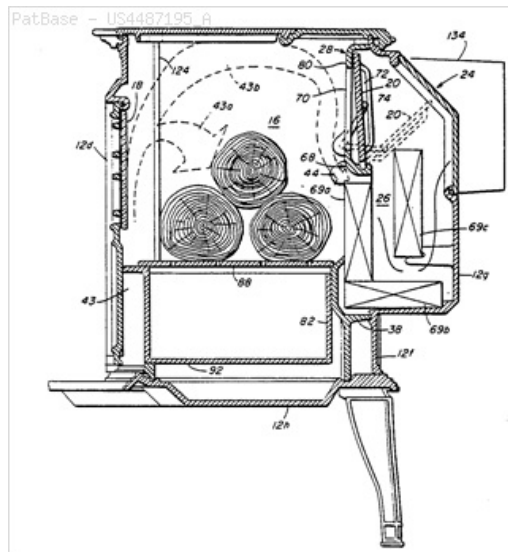
F24B5/02 (Advanced/Invention);

F24B1/00 F24B13/00 F24B5/00 (Core/Invention)

International (IPC 1-7): F23B5/04 F23L1/00 F23M11/04 F23M7/00

F23M9/06 F24B1/00 F24B1/02 F24B1/10 F24B13/02 F24B5/00 F24B5/02

F24C1/14 F24C15/04 H01R13/52

CPC: Y02A40/928 F24B13/02 F24B1/026 F24B5/026**European:** F24B1/02F F24B13/02 F24B5/02B4**US:** 126/126 126/152R 126/502 126/76 126/77 126/83**Family:**

Publication number	Publication date	Application number	Application date
AU198289235 A1	19831208	AU19820089235	19821008
AU558134 B2	19870122	AU19820089235	19821008
BE896903 A	19830916	BE19830210894	19830531
CA1212005 A1	19860930	CA19830426807	19830427
CH664001 A	19880129	CH19830002979	19830531
DE3319936 A1	19831201	DE19833319936	19830601
DK243183 A	19831202	DK19830002431	19830530
DK243183 A0	19830530	DK19830002431	19830530
FR2527746 A1	19831202	FR19830009019	19830531
FR2527746 B1	19890414	FR19830009019	19830531
GB2121162 A1	19831214	GB19820015946	19820601
GB2121162 B2	19861008	GB19820015946	19820601
IE54403 B	19890927	IE19830001230	19830524
IE831230 L	19831201	IE19830001230	19830524
JP58219330 A2	19831220	JP19830095863	19830601
NL8301778 A	19840102	NL19830001778	19830519
NO155902 B	19870309	NO19830001889	19830527
NO155902 C	19870617	NO19830001889	19830527
NO831889 A	19831202	NO19830001889	19830527
NO831889 L	19831202	NO19830001889	19830527
NZ202115 A	19861008	NZ19820202115	19821007
SE456931 B	19881114	SE19830002588	19830505
SE456931 C	19890309	SE19830002588	19830505
SE8302588 A	19831202	SE19830002588	19830505
SE8302588 A0	19830505	SE19830002588	19830505
SE8302588 L	19831202	SE19830002588	19830505
US4487195 A	19841211	US19820430471	19820930

Priority:

GB19820015946 19820601 CA19830426807 19830427

Probable Assignee: VERMONT CASTINGS**Assignee(s):** (std): BAAMONTO KIYASUTEINGUSU INC ; VERMONT CASTINGS**Assignee(s):** VERMONT CASTINGS INC ; VERMONT CASTINGS INC 05060 RANDOLPH VT US ; VERMONT CASTINGS INC TE RANDOLPH VERMONT VER ST V ; VERMONT CASTINGS INC TE RANDOLPH VERMONT VER ST V AM ; CALDWELL ELDON L ; FERGUSON ROBERT W ; MCLAUGHLIN CHARLES B JR ; PACIFICORP FINANCE INC ; SYME DUNCAN C ; ANDORS DERIK K**Inventor(s):** (std): ANDORS D K ; ANDORS DERIK K ; ANDORS DERIK KNOX ; CALDWELL E L ; CALDWELL ELDON L ; CHIYAARUZU BII MAKUROKURIN JIY ; CALDWELL ELDON LEE ; DANKAN SHII SAIMU ; DERIKU KEI ANDAASU ; ERUDON ERU KOORUDOUERU ; FERGUSON R W ; FERGUSON ROBERT W ; LAUGHLIN CHARLES BAXTER MC JR ; MCLAUGHLIN C B ; MCLAUGHLIN CHARLES B JR ; MCLAUGHLIN CHARLES B JUN ; MCLAUGHLIN JR C B ; MCLAUGHLIN JR CHARLES B ; FERGUSON ROBERT WHITBECK ; MCLAUGHLIN JUN

Inventor(s): CHARLES B ; ROBAATO DABURIYUU FUAAGASON ; SMITH VANCE R ; SYME D C ; SYME DUNCAN C ; SYME DUNCAN COBURN

Agent(s): VANCE R SMITH ; SYME DUNCAN C 05038 CHELSEA VT US ; SYME DC ; ROBERT W FERGUSON ; MCLAUGHLIN JUN CHARLES B 05701 RUTLAND VT US ; R W FERGUSON ; FERGUSON RW ; MCLAUGHLIN JUN ; MCLAUGHLIN CB ; MCLAUGHLIN CHARLES B ; FERGUSON ROBERT W 05068 ROYALTON VT US ; DUNCAN C SYME ; DUNCAN COBURN SYME ELDON LEE CALDWELL ROBERT WHITB ; DUNCAN COBURN SYME ELDON LEE CALDWELL ROBERT WHITBECK FERGUSON CHARLES BAXTER MC LAUGHLIN JR ET DERIK KNOX ANDORS ; E L CALDWELL ; ELDON L CALDWELL ; DERIK K ANDORS ; CHARLES B MCLAUGHLIN JR ; CHIYAARUZU BII MAKUROKURIN JIYUNIA ; D C SYME ; D K ANDORS ; CALDWELL ELDON L 05031 BARNARD VT US ; CALDWELL EL ; ANDORS DK ; C B MCLAUGHLIN JR ; ANDORS DERIK K 05060 RANDOLPH VT US

Legal status (INPADOC) CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; MACRAE AND CO

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Patent	Date recorded	Event group	Code	Event	Details
AU198289235 A1	19831208	LSPB	+	published / reissued	
AU558134 B2	19870122	LSGT	+	granted / extensions (spc, cpc, pte)	
AU558134 B2	20021008	PEXP		Calculated Patent Term Expiry	
BE896903 A	19830916	LSPB	+	published / reissued	
CH664001 A	19880129	LSGT	+	granted / extensions (spc, cpc, pte)	
CH664001 A	19900131	LSLE	-PL	PATENT CEASED	
CH664001 A	20030531	PEXP		Calculated Patent Term Expiry	
DE3319936 A1	19831201	LSPB	+	published / reissued	
DE3319936 A1	19900607	LSLE	-8139	DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE	
DK243183 A	19831202	LSPB	+	published / reissued	
DK243183 A	19900115	LSWD	-AHB	APPLICATION SHELVED DUE TO NON-PAYMENT	
FR2527746 A1	19831202	LSPB	+	published / reissued	
FR2527746 B1	19890414	LSGT	+	granted / extensions (spc, cpc, pte)	
FR2527746 B1	19900330	LSLE	-ST	NOTIFICATION OF LAPSE	
FR2527746 B1	20030531	PEXP		Calculated Patent Term Expiry	
GB2121162 A1	19831214	LSPB	+	published / reissued	
GB2121162 B2	19861008	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2121162 B2	19900131	LSLE	-PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE	
GB2121162 B2	20020601	PEXP		Calculated Patent Term Expiry	
IE54403 B	19890927	LSGT	+	granted / extensions (spc, cpc, pte)	
IE54403 B	20030524	PEXP		Calculated Patent Term Expiry	

JP58219330 A2	19831220	LSPB	+	published / reissued	
NL8301778 A	19840102	LSPB	+	published / reissued	
NL8301778 A	19900102	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NO155902 B	19870309	LSPB	+	published / reissued	
NO155902 C	19870617	LSGT	+	granted / extensions (spc, cpc, pte)	
NO155902 C	20030527	PEXP		Calculated Patent Term Expiry	
NO831889 A	19831202	LSPB	+	published / reissued	
NZ202115 A	19861008	LSPB	+	published / reissued	
SE456931 B	19881114	LSPB	+	published / reissued	
SE456931 B	19950131	LSLE	-NUG	PATENT HAS LAPSED	TEXT : 8302588-2 EFFECTIVE DATE : 19900125
SE456931 C	19890309	LSGT	+	granted / extensions (spc, cpc, pte)	
SE456931 C	20030505	PEXP		Calculated Patent Term Expiry	
SE8302588 A	19831202	LSPB	+	published / reissued	
US4487195 A	19841211	LSGT	+	granted / extensions (spc, cpc, pte)	
US4487195 A	19830415	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : VERMONT CASTINGS, INC., PRINCE ST., RANDOLPH, VERM OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNORS:SYME, DUNCAN C.; CALDWELL, ELDON L.; FERGUSON, ROBERT W.; REEL/FRAME:004115/0755 EFFECTIVE DATE : 19830405
US4487195 A	19841010	LSGT	PAT1	Patented Case	
US4487195 A	19841010	LSGT	STCF	INFORMATION ON STATUS: PATENT GRANT	TEXT : PATENTED CASE
US4487195 A	19880914	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4487195 A	19881114	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4487195 A	19890523	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : PACIFICORP FINANCE, INC., OREGON OLDPARTY : SECURITY INTEREST; ASSIGNOR:VERMONT CASTINGS, INC., A VT CORP.; REEL/FRAME:005115/0473 EFFECTIVE DATE : 19890519
US4487195 A	19920928	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US4487195 A	19960514	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US4487195 A	20020930	PEXP		Calculated Patent Term Expiry	

Title: Improvements in or relating to gas **stoves**

Abstract: 847,722. Compressed-gas burners **portable stoves**. BAHCO A. B. May 22, 1958 [July 5, 1957], No. 16506/58. Classes 75(1) and 126. A gas-burning cooking appliance with two burners 2, 3 supplied in parallel from a common tube has one burner 2 regulatable independently of the other 3 by the tube having a rotatable **portion** 9 the discharge slot of which to its particular burner 2 can be turned to reduce the gas passage area to such burner 2. The burners 2, 3 are shown as supplied from a compressed gas bottle 6 supported on a turned-up wind-shield plate 5 hingedly mounted in a box 1 which houses the burners, the lid 4 of such box being turned up to provide a back plate. The gas passes from the bottle by a flexible pipe 7 and nipple 8 which is clipped into proper position in the common supply tube to the burners relatively to air entry **ports** 11. This supply tube comprises a fixed **portion** 27 slotted at 32 to supply the burner 3 and a rotatable **portion** 9 slotted at 20 to supply the burner 2 in a regulatable manner as the **portion** 9 is turned by means of an external finger piece 10 this **portion** 9 is rotatably mounted in a bracket 17 extending from the burner ante-chamber 18 which is secured by a bolt 19 from the main body of the burner. A stud 22 on the bracket cooperates with a slot 23 in the **portion** 9 to limit its range of movement and a resiliently acting ball catch is also fitted.

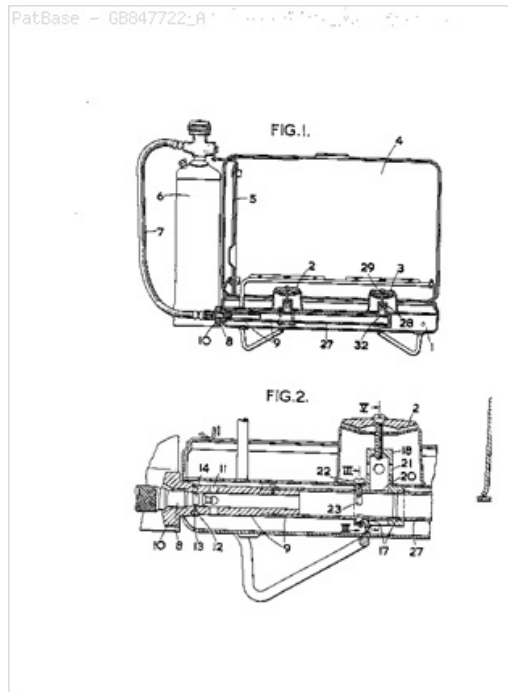
Classifications:

International (IPC 8-9): F24C3/08 F24C3/14 (Advanced/Invention);
F24C3/00 F24C3/08 (Core/Invention)

International (IPC 1-7): F24C3/08 F24C3/14

CPC: F24C3/085 F24C3/14

European: F24C3/08B F24C3/14



Family:

Publication number	Publication date	Application number	Application date
GB847722 A	19600914	GB19580016506	19580522

Priority:

19570705

Probable Assignee:

BAHCO AB

Assignee(s): (std):

BAHCO AB

Assignee(s):

AKTIEBOLAGET BAHCO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB847722 A	19600914	LSGT	+	granted / extensions (spc, cpc, pte)	
GB847722 A	19780522	PEXP		Calculated Patent Term Expiry	

Title: IMPROVEMENTS IN OR RELATING TO HINGE SYSTEMS FOR DOORS

Abstract: 847,929. Cooker doors. FLAVEL and CO. Ltd., S. Oct. 29, 1957 [Oct. 29, 1956], No. 33013/56. Class 126. [Also in Group XXV]. To enable the door 8 of the grill compartment of a domestic cooking **stove** to lie close to the front panel 2 of the **stove** and to an adjacent oven door 7 when in the closed position and to remain clear of them during the opening movement, it is provided with a hinge comprising a first link 10 pivoted at its ends about axes 16, 20 fixed relative to the door and panel, respectively, and a second link 11 pivoted at one end about an axis 17 fixed relative to the door and mounted for guided rectilinear motion relative to the panel. Guide pins 21 on the panel engage a closed slot 13 in the link 11 and also restrict its travel, and a stop 23 on the panel abuts the link 10 to limit the opening of the door. The pins 21 can be replaced by a single elongated member. In the open position, the door lies flush with the base of the grill compartment and may support a grill pan.

Classifications:

International (IPC 8-9): E05D3/06 E05D3/18

F24C15/02 (Advanced/Invention);

E05D3/00 F24C15/02 (Core/Invention)

International (IPC 1-7): E05D7/00 F24C15/02

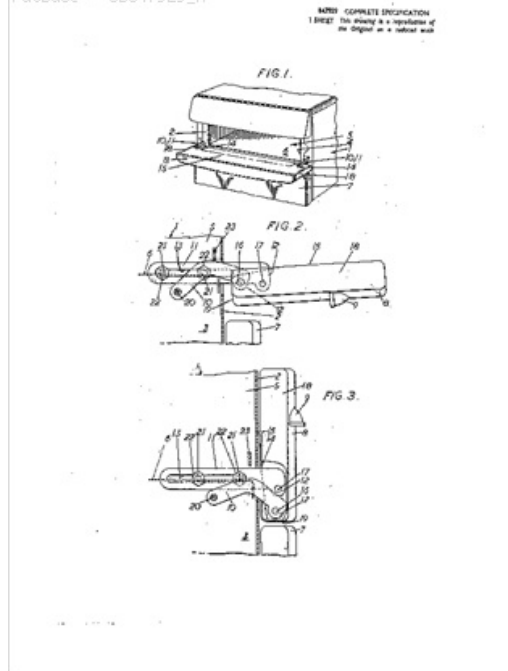
CPC: E05D11/06 E05D3/12 E05D3/18 E05Y2201/416 E05Y2900/308

F24C15/023

European: E05D3/12 E05D3/18 F24C15/02B2 P05Y201/416

P05Y900/308

PatBase - GB847929_A

**Family:**

Publication number	Publication date	Application number	Application date
GB847929 A	19600914	GB19560033013	19561029

Priority:

GB19560033013 19561029

Probable Assignee: SIDNEY FLAVEL AND CO LTD

Assignee(s): (std): SIDNEY FLAVEL AND CO LTD ; SIDNEY FLAVEL AND COMPANY LTD

Assignee(s): SIDNEY FLAVEL AND COMPANY LIMITED

Inventor(s): (std): THOMAS VINCENT LYNN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB847929 A	19600914	LSGT	+	granted / extensions (spc, cpc, pte)	
GB847929 A	19761029	PEXP		Calculated Patent Term Expiry	

Title: Improved means enabling cookers designed for firing with solid fuel, to be converted so that they can be fired with liquid fuel

Abstract: 843,649. Converting solid fuel cookers for liquid fuel firing. BECK, B. R. June 23, 1958 [Aug. 8, 1957], No. 25094/57. Class 126. A burner unit for converting a solid fuel-fired cooker to liquid fuel burning comprises a burner 54 fitted with at least one wick and constructed to burn with a blue flame and a platform 35 with adjustable legs 39, a rearwardly projecting arm 36 on which the burner is mounted and a counterweight 41. The burner 54 comprises a base 13 formed with a central opening 28, and annular concentric troughs 14, 15 connected by bridges 17 spanning an air passage 16, liquid fuel, such as kerosene, passing through passages 18 in the bridges 17 to the trough 15. Sleeves 19-22 of perforated sheet metal are supported on a plate 26 resting on the inner wall of the trough 14, the inner and outer ends of the bridges 17 and the outer wall of the trough 15 respectively, and form annular flame spaces 23 and 24 with an intervening air space 25 communicating with the air passage 16. Combustion air also passes through the opening 28 in the base 13 and an opening 27 into a central space 28a. Wicks 29, 30 are engaged in the troughs 14 and 15 respectively and project into the flame spaces 23 and 24, to be ignitable from above, removable lids 31 and 32 covering the air spaces 28a and 25 respectively to force rising air through the perforations in the shells 19-21. Kerosene is supplied to the trough 14 through a pipe screwed into a hole (neither shown) in a spider 33 integral with the base 13 which opens into the trough 14. A fuel storage vessel 47 of barometric type has a valve which closes as a tank 52 is righted for refilling, the tank normally being suspended over a bowl 50, a feed rule 46 with a regulator valve 53 being connected to the bowl 50. To instal the burner unit in the cooker, the grate and ashpan are removed and a small recess is cut in the ashpit door to receive the pipe 46. The unit is inserted through the ashpit doorway to stand on the adjustable legs 39 in the ashpit with the burner lying beneath the fuel feed tube 2 of the cooker surrounded by a jacket 4 with intervening heating passages leading ultimately to the flues.

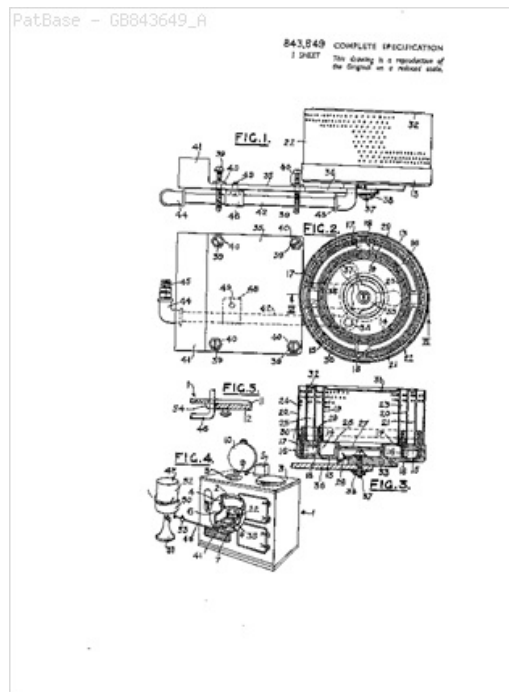
Classifications:

International (IPC 8-9): F24C1/06 (Advanced/Invention);
F24C1/00 (Core/Invention)

International (IPC 1-7): F24C1/06

CPC: F24C1/06

European: F24C1/06



Family:

Publication number	Publication date	Application number	Application date
GB843649 A	19600804	GB19570025094	19570808

Priority:

GB19570025094 19570808

Probable Assignee:

BRUCE ROBERTSON BECK

Assignee(s): (std):

BRUCE ROBERTSON BECK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB843649 A	19600804	LSGT	+	granted / extensions (spc, cpc, pte)	
GB843649 A	19770808	PEXP		Calculated Patent Term Expiry	

Title: An improved cooking appliance

Abstract: 844,861. Grilling **stoves**; grates. HILL, C. Oct. 22, 1957 [Nov. 9, 1956], No. 34229/56. Class 126. [Also in Group VI] A cooking appliance comprises a grill formed by a series of longitudinally inclined bars mounted in a frame which carries beneath the grill a support for a fire. As shown, the appliance comprises three inverted U-shaped frames 12, 14, 18 connected together in spaced relation by rods 34, 36 and wingnuts, to accommodate a hearth 16 with superposed grill 10 and two trays 20, 22, the limbs of each frame being furnished with sleeves 28 to receive legs 30. The hearth 16, which is supported by hooks 48 fitted over rods 34, 36, consists of a rectangular open-topped container 42, Fig. 3, having an opening 44 in its front wall and carrying a grid or lattice 46, e.g. of expanded metal, to support charcoal or the like. The grill 10 comprises a series of bars or rods 50 connected together by cross rods 52, 54 and is supported in inclined position by hooks 56 on the end rods of the series engaging studs 58 on frames 12, 14. The front ends of the remaining rods are disposed over a fat-receiving trough 60 which drains into a receptacle 62. A rod 64 at the front of the grill prevents articles rolling off and plates 66, 68 at the sides and back keep out draughts. The frames 12, 14 carry brackets 72, 74 with alternative slots for the reception of the ends of a spindle 70 of a spit which may be rotated by a handle 80 and retained in position by a lock nut 82. The trays 22, 20 fit tightly between the frames 14, 18 and are supported respectively by the rods 34, 36 and pegs (not shown), on the frames 14, 18. Reference has been directed by the Comptroller to Specification 802,369.

Classifications:

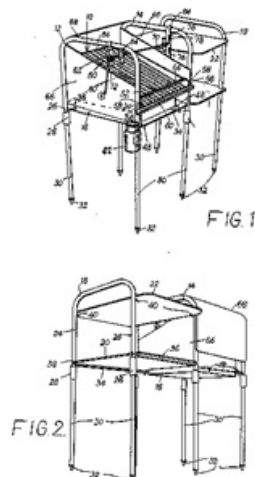
International (IPC 8-9): A47J37/07 (Advanced/Invention);
A47J37/07 (Core/Invention)

International (IPC 1-7): A47J33/00

CPC: A47J37/0704

European: A47J37/07B

PatBase - GB844861_A



Family:

Publication number	Publication date	Application number	Application date
GB844861 A	19600817	GB19560034229	19561109

Priority:

GB19560034229 19561109

Probable Assignee:

COLIN HILL

Assignee(s): (std):

COLIN HILL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB844861 A	19600817	LSGT	+	granted / extensions (spc, cpc, pte)	
GB844861 A	19761109	PEXP		Calculated Patent Term Expiry	

Title: Heating device

Abstract: The invention relates to a heating device. A first object of the invention is to embody a heating device with a combustion space having at least one free side, such as an open hearth, or optionally a free-standing heater, such that it possesses a high yield. Another object is the embodying of this heating device such that in addition to use as a free-standing heater it can also be used as insert system for an open hearth. These objects are realized with a heating device characterized by a tilted, substantially U-shaped heat exchanger open to the front for heating air at the fireplace. This heat exchanger being provided with a lower heat exchanger part onto which can be laid solid fuel. For example, a number of pipes laid adjacent to one another, which lower part connects onto a standing heat exchanger part. For example, a number of pipes located at an interval from one another, such that the heat exchanger bounds the combustion space.

Classifications:

International (IPC 8-9): F24B1/188 F24B1/19

F24B5/02 (Advanced/Invention);

F24B1/00 F24B5/00 (Core/Invention)

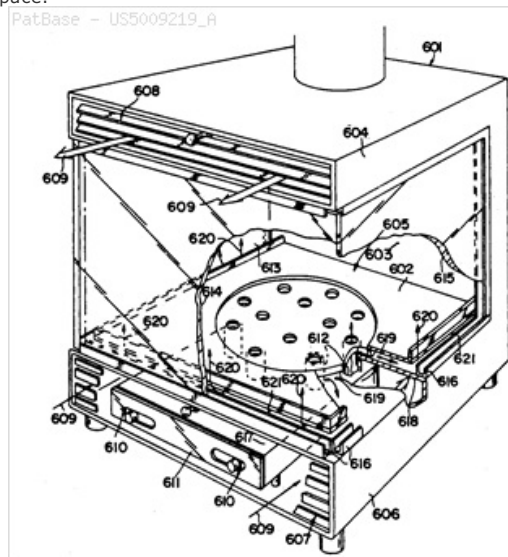
International (IPC 1-7): F24B1/00 F24B1/18 F24B1/188 F24B1/19

F24B5/02 F24C1/00 F24H3/08

CPC: F24B1/1886 F24B1/1902 F24B5/023

European: F24B1/188F2 F24B1/19B F24B5/02B2

US: 126/523 126/525 126/527 126/531 126/61



Family:

Publication number	Publication date	Application number	Application date
EP0295756 A2	19881221	EP19880201266	19880617
EP0295756 A3	19890531	EP19880201266	19880617
NL8701431 A	19890116	NL19870001431	19870618
NL8701865 A	19890116	NL19870001865	19870807
NL8701866 A	19890301	NL19870001866	19870807
NL8702795 A	19890616	NL19870002795	19871120
NL8702919 A	19890616	NL19870002919	19871203
NL8800090 A	19890801	NL19880000090	19880115
NL8800091 A	19890116	NL19880000091	19880115
US5009219 A	19910423	US19890473107	19890202

Priority:

NL19870001431 19870618	NL19870001865 19870807	NL19870001866 19870807
NL19870002795 19871120	NL19870002919 19871203	NL19880000090 19880115
NL19880000091 19880115	US19880273046 19881118	

Probable Assignee: LIETS BV

Assignee(s): (std): LIETS AGRARISCHE TECHNIEKEN B V TE LOSSER ; LIETS BV

Assignee(s): LIETS AGRARISCHE TECHNIEKEN B V ; LIETS AGRARISCHE TECHNIEKEN BV ; LIETS AGRARISCHE TECHNIEKEN TE LOSSER BV

Inventor(s): (std): LIET FREDERICUS

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
EP0295756 A2	19881221	LSPB	+	published / reissued	
EP0295756 A3	19900124	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19891129
EP0295756 A3	19900228	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19900115
EP0295756 A3	19911016	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19910417
NL8701431 A	19890116	LSPB	+	published / reissued	

NL8701431 A	19890116	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL8701431 A	19920203	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NL8701865 A	19890116	LSPB	+	published / reissued	
NL8701865 A	19890116	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL8701865 A	19920401	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NL8701866 A	19890301	LSPB	+	published / reissued	
NL8702795 A	19890616	LSPB	+	published / reissued	
NL8702795 A	19920701	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NL8702919 A	19890616	LSPB	+	published / reissued	
NL8702919 A	19890616	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL8702919 A	19920803	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NL8800090 A	19890801	LSPB	+	published / reissued	
NL8800090 A	19890801	LSES	+A1B	A SEARCH REPORT HAS BEEN DRAWN UP	
NL8800090 A	19910902	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
NL8800091 A	19890116	LSPB	+	published / reissued	
NL8800091 A	19910902	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	
US5009219 A	19910423	LSGT	+	granted / extensions (spc, cpc, pte)	
US5009219 A	19900427	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : LIETS AGRARISCHE TECHNIEKEN B.V., A CORP. OF THE N OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST.; ASSIGNOR:LIET, FREDERICUS; REEL/FRA:005281/0723 EFFECTIVE DATE : 19900419
US5009219 A	19910220	LSGT	PAT1	Patented Case	
US5009219 A	19950423	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US5009219 A	19950704	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19950426
US5009219 A	20180128	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US5009219 A	20180128	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362
US5009219 A	20090202	PEXP		Calculated Patent Term Expiry	

Title: Improvements relating to oil burners

Abstract: 891,742. Pot burners; heating **stoves**. ANDERTON, H. Nov. 8, 1960 [Nov. 4, 1959], No. 37353/59. Classes 75(1) and 126 [Also in Group XTII] An oil burner comprises a perforated cylindrical combustion chamber 2 closed at the bottom by a pan 3 mounted on one end of a pivoted lever 6. The other end of the lever 6 carries an adjustable weight 9. Oil drips on to the pan 3 from a conduit 11 extending from a shut-off valve 12 which is slidably mounted to allow the conduit 11 to be withdrawn from the burner. A further fuel valve closes automatically if the burner overheats. The top of the combustion chamber 2 is secured to an annular plate 17 supported on a tripod 19. A finned flue stack 21 extends between the annular plate 17 and a cowl on the upper end of the tripod 19. The upper part of the combustion chamber may extend through the water of a boiler and circulation tubes may extend across the combustion chamber; or the upper end of the combustion chamber is connected to a flue extending horizontally through a boiler.

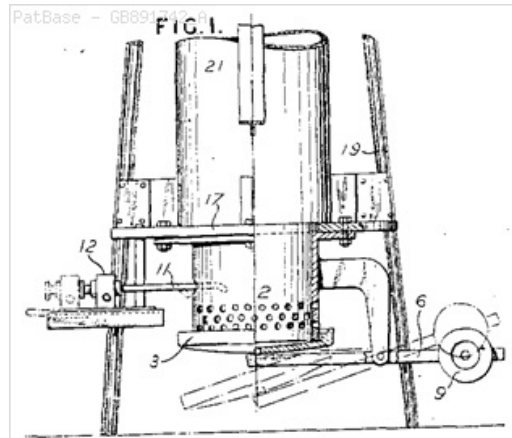
Classifications:

International (IPC 8-9): F23D5/00 F24C5/02 (Advanced/Invention)

International (IPC 1-7): F23D5/04 F24C5/02

CPC: F23D5/00 F24C5/02

European: F23D5/00 F24C5/02



Family:

Publication number	Publication date	Application number	Application date
GB891742 A	19620321	GB19590037353	19591104

Priority:

GB19590037353 19591104

Probable Assignee:

HENRY ANDERTON

Assignee(s): (std):

HENRY ANDERTON

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB891742 A	19620321	LSGT	+	granted / extensions (spc, cpc, pte)	
GB891742 A	19791104	PEXP		Calculated Patent Term Expiry	

Title: Improvements in or relating to furnace doors

Abstract: 794,672. Doors. IDEAL BOILERS and RADIATORS, Ltd. March 23,1956 [July 11, 1955], No. 20060/55. Class 126 [Also in Group XII] A furnace door applicable to, e.g. a domestic boiler, comprises an outer shell 4, Figs. 1, 4, and an inner plate 10 connected by studs screwed into bosses 8 on the shell, the plate being urged away from the shell and into sealing contact with the edge 3 of the furnace opening by springs 11. The door is mounted on a hinge pin 5 supported in bosses on the furnace by brackets 6 secured to the shell, and held in the closed position by a lever 15 engaging a lug 16 on the shell. A peripheral space 17 permits flow of cooling air between the shell and the plate. An asbestos gasket may be applied to the rim 14 of the plate.

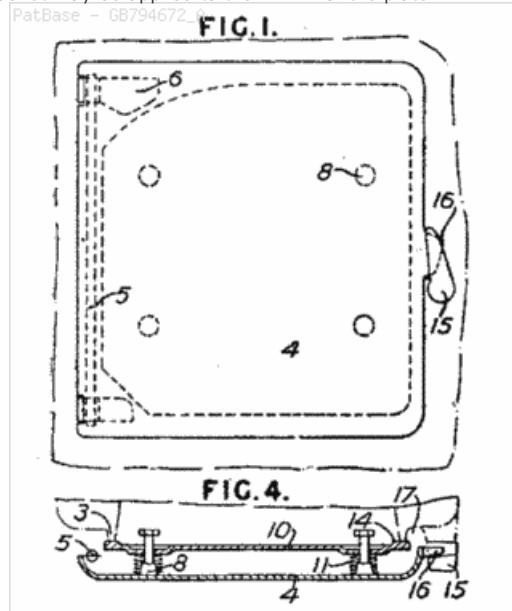
Classifications:

International (IPC 8-9): F23M7/00 (Advanced/Invention)

International (IPC 1-7): F23M7/00

CPC: F23M7/00

European: F23M7/00



Family:

Publication number	Publication date	Application number	Application date
GB794672 A	19580507	GB19550020060	19550711

Priority:

GB19550020060 19550711

Probable Assignee: IDEAL BOILERS AND RADIATORS LTD

Assignee(s): (std): IDEAL BOILERS AND RADIATORS LTD

Assignee(s): IDEAL BOILERS AND RADIATORS LIMITED

Inventor(s): (std): DENNISON WILLIAM EDMUND

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB794672 A	19580507	LSGT	+	granted / extensions (spc, cpc, pte)	
GB794672 A	19750711	PEXP		Calculated Patent Term Expiry	

Title: Liquid fuel fired **stoves**

Abstract: 928,668. **Stove** casings. SCHWABISCHE HUTTENWERKE G.m.b.H. June 6, 1961 [May 12, 1961], No. 20314/61 Class 126. The casing of a liquid fuel **stove** is of substantially rectangular horizontal cross-section and comprises two identical half-shells having all their edges bent inwards through at least 90 degrees and meeting at each narrow side of the **stove** in a flush joint. The casing surrounds a fuel container 3, fuel regulator 5, burner chamber 2 and baffles 6 which thermally separate the fuel container and burner chamber, all these components being mounted on a base 1 to which is also fixed one half-shell 8 by means of a bracket 13. The other half-shell is detachable, being fitted with two pins which engage in recesses 11 in the vertical edges 9, 9¹ of shell 8. The upper edges of the shells carry flanges 16 which support a grid 17 through which heated air leaves the **stove**, and both the broad and narrow sides of the casing converge towards the top and bottom of the **stove** to approximately the same extent.

Classifications:

International (IPC 8-9): F24C15/08 (Advanced/Invention);

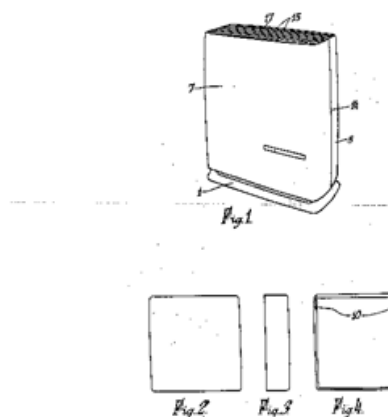
F24C15/08 (Core/Invention)

International (IPC 1-7): F24C F24C15/08

CPC: F24C15/08

European: F24C15/08

PatBase - GB928668_A



Family:

Publication number	Publication date	Application number	Application date
BE606172 A	19611103	BE19610606172	19610714
CH398009 A	19650831	CH19610006314	19610529
DE1835157 U	19610720	DE1961SC29316U	19610512
GB928668 A	19630612	GB19610020314	19610606

Priority:

DE1961SC29316 19610512 DE1961SC29316U 19610512

Probable Assignee: SCHWAEBISCHE HUETTENWERKE GMBH

Assignee(s): (std): BAUKNECHT GMBH G ; SCHWAEBISCHE HUETTENWERKE GMBH

Assignee(s): G BAUKNECHT GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG ; G BAUKNECHT GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG ELEKTROTECHNISCHE FABRIKEN ; SCHWAEBISCHE HUTTENWERKE G M B H ; SCHWAEBISCHE HUETTENWERKE G M B H

Inventor(s): (std): HERBERT OESTREICH

Inventor(s): OESTREICH HERBERT

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE606172 A	19611103	LSPB	+	published / reissued	
CH398009 A	19650831	LSGT	+	granted / extensions (spc, cpc, pte)	
CH398009 A	19810529	PEXP		Calculated Patent Term Expiry	
DE1835157 U	19610720	LSGT	+	granted / extensions (spc, cpc, pte)	
GB928668 A	19630612	LSGT	+	granted / extensions (spc, cpc, pte)	
GB928668 A	19810606	PEXP		Calculated Patent Term Expiry	

Title: SOLID FUEL HEATING APPLIANCE

Abstract: PCT No. PCT/GB92/00268 Sec. 371 Date Sep. 24, 1993 Sec. 102(e) Date Sep. 24, 1993 PCT Filed Feb. 14, 1992 PCT Pub. No. WO92/14972 PCT Pub. Date Sep. 3, 1992. A **stove** (1) comprises a fire-box (4), and an ash-chamber (5) separated by a grate (19). Air intake means (21,23) is provided beneath the ash-chamber. Air supply means (30) connected to the air intake means extends vertically past the ash-chamber and the fire-box to an upper region of the fire-box. Air delivery means (27) provides communication between the air supply means and the fire-box. In use fuel burning inside the fire-box causes external air to be drawn into the air intake means, through the air supply means and through the air delivery means to a region above fuel in the fire-box. External air is pre-heated by passing underneath the ash-chamber and past the ash-chamber and the fire-box during its passage into the fire-box. Turbulence caused by an interaction between pre-heated air entering the fire-box and heated air already present causes smoky combusted air (F) to be pushed away from a dose (35) at the front of the fire-box.

Classifications:

International (IPC 8-9): F24B1/02 F24B13/00

F24B5/02 (Advanced/Invention);

F24B1/00 F24B13/00 F24B5/00 (Core/Invention)

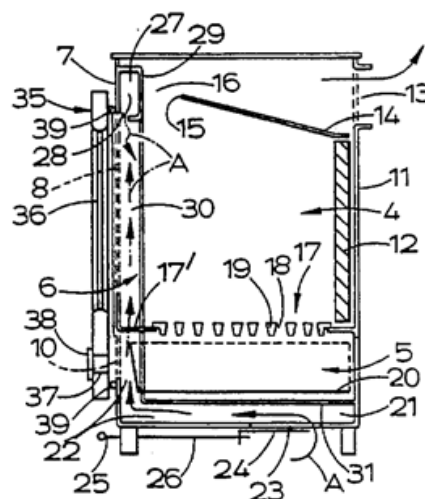
International (IPC 1-7): F24B1/02 F24B13/00 F24B5/02 F24C1/14

CPC: F24B5/021 F24B5/026 F24B13/004

European: F24B13/00D F24B5/02B F24B5/02B4

US: 126/193 126/198 126/60 126/77

PatBase - US5469836_A



Family:

Publication number	Publication date	Application number	Application date
AU199212332 A1	19920915	AU19920012332	19920214
AU661673 B2	19950803	AU19920012332	19920214
CA2104016 AA	19930812	CA19922104016	19920214
CA2104016 C	20040720	CA19922104016	19920214
DE69219461 D1	19970605	DE19926019461	19920214
DE69219461 T2	19970814	DE19926019461T	19920214
DK0571446 T3	19970616	DK19920904478T	19920214
EP0571446 A1	19931201	EP19920904478	19920214
EP0571446 B1	19970502	EP19920904478	19920214
ES2103929 T3	19971001	ES19920904478T	19920214
GB2251302 A1	19920701	GB19920003218	19920214
GB2251302 B2	19930428	GB19920003218	19920214
GB2251302 C	20110518	GB19920003218	19920214
GB2253050 A1	19920826	GB19910003161	19910214
GB9103161 A0	19910403	GB19910003161	19910214
GB9203218 A0	19920401	GB19920003218	19920214
JP6505329 T2	19940616	JP19920504184T	19920214
US5469836 A	19951128	US19930104058	19930924
WO9214972 A1	19920903	WO1992GB00268	19920214

Priority:

GB19910003161 19910214 WO1992GB00268 19920214

Probable Assignee: GREENALL JONATHAN BISHOPS CASTLE SHROPSHIRE GB

Assignee(s): (std): GREENALL JONATHAN

Assignee(s): GREENALL JONATHAN BISHOPS CASTLE SHROPSHIRE GB ; JONATHAN GREENALL

Inventor(s): (std): GREENALL JONATHAN

Inventor(s): JONATHAN GREENALL ; GREENALL JONATHAN BISHOPS CASTLE SHROPSHIRE GB

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; MACRAE AND CO

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IT JP KP KR LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG US

Legal status (INPADOC)

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AU199212332 A1	19920915	LSPB	+	published / reissued	
AU661673 B2	19950803	LSGT	+	granted / extensions (spc, cpc, pte)	
AU661673 B2	20120214	PEXP		Calculated Patent Term Expiry	
CA2104016 AA	19930812	LSPB	+	published / reissued	
CA2104016 AA	19981110	LSES	+EEER	EXAMINATION REQUEST	
CA2104016 C	20040720	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2104016 C	20120214	LSLE	-MKEX	EXPIRY	
CA2104016 C	20120214	PEXP		Calculated Patent Term Expiry	
DE69219461 D1	19980528	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE69219461 T2	19970814	LSGT	+	granted / extensions (spc, cpc, pte)	
DE69219461 T2	20120214	PEXP		Calculated Patent Term Expiry	
DK0571446 T3	19970616	LSGT	+	granted / extensions (spc, cpc, pte)	
DK0571446 T3	20120214	PEXP		Calculated Patent Term Expiry	
EP0571446 A1	19931201	LSPB	+	published / reissued	
EP0571446 A1	19931201	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19930830
EP0571446 A1	19940817	LSES	+17Q	FIRST EXAMINATION REPORT DESPATCHED	EFFECTIVE DATE : 19940630
EP0571446 B1	19970502	LSGT	+	granted / extensions (spc, cpc, pte)	
EP0571446 B1	19971001	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2103929 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP0571446 B1	19980422	LSGT	+26N	NO OPPOSITION FILED	
EP0571446 B1	20110429	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DK PAYMENT DATE : 20110224 YEAR OF FEE PAYMENT : 20
EP0571446 B1	20110531	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20110224 YEAR OF FEE PAYMENT : 20
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EP0571446 B1	20110729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20110222 YEAR OF FEE PAYMENT : 20
EP0571446 B1	20110729	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20110223 YEAR OF FEE PAYMENT : 20
EP0571446 B1	20120214	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69219461 COUNTRY OF REF DOCUMENT : DE
EP0571446 B1	20120215	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R071 REF DOCUMENT NUMBER : 69219461

					COUNTRY OF REF DOCUMENT : DE
EP0571446 B1	20120229	LSLE	-BE20	BE: PATENT EXPIRED	PARTYTYPE : OWNER REF COUNTRY CODE : EP OWNER : *GREENALL JONATHAN EFFECTIVE DATE : 20120214
EP0571446 B1	20120305	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DK REF LEGAL EVENT CODE : EUP
EP0571446 B1	20120430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20120215
EP0571446 B1	20120511	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FD2A EFFECTIVE DATE : 20120511
EP0571446 B1	20120731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF EXPIRATION OF PROTECTION LAPSED DATE : 20120215
EP0571446 B1	20120214	PEXP		Calculated Patent Term Expiry	
ES2103929 T3	19971001	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2103929 T3	19971001	LSGT	+FG2A	DEFINITIVE PROTECTION	REF DOCUMENT NUMBER : 571446 COUNTRY OF REF DOCUMENT : ES
ES2103929 T3	20120214	PEXP		Calculated Patent Term Expiry	
GB2251302 A1	19920701	LSPB	+	published / reissued	
GB2251302 B2	19930428	LSGT	+	granted / extensions (spc, cpc, pte)	
GB2251302 B2	20070822	LSRE	727	APPLICATION MADE FOR AMENDMENT OF SPECIFICATION (SECT. 27/1977)	
GB2251302 B2	20120213	PEXP		Calculated Patent Term Expiry	
GB2251302 C	20110518	LSRE	S27	AMENDMENT OF SPECIFICATION AFTER GRANT (SECT. 27/PATENTS ACT 1977)	TEXT : SPECIFICATION AMENDED; APPLICATION FOR AMENDMENT UNDER SECTION 27 FILED ON 5 JULY 2007, ALLOWED ON 27 APRIL 2011
GB2251302 C	20120307	LSLE	-PE20	PATENT EXPIRED AFTER TERMINATION OF 20 YEARS	EXPIRY DATE : 20120213
GB2253050 A1	19920826	LSPB	+	published / reissued	
GB2253050 A1	19930616	LSWD	-WAP	APPLICATION WITHDRAWN, TAKEN TO BE WITHDRAWN OR REFUSED ** AFTER PUBLICATION UNDER SECTION 16(1)	
JP6505329 T2	19940616	LSPB	+	published / reissued	
US5469836 A	19951128	LSGT	+	granted / extensions (spc, cpc, pte)	
US5469836 A	19951116	LSGT	PAT1	Patented Case	
US5469836 A	19991108	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US5469836 A	20030516	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 8
US5469836 A	20070302	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 12
US5469836 A	20130924	PEXP		Calculated Patent Term Expiry	

WO9214972 A1	19920903	LSPB	+	published / reissued	
WO9214972 A1	19930812	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2104016 COUNTRY OF REF DOCUMENT : CA
WO9214972 A1	19930812	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 1992904478 COUNTRY OF REF DOCUMENT : EP
WO9214972 A1	19930924	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 08104058 COUNTRY OF REF DOCUMENT : US
WO9214972 A1	19931201	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1992904478 COUNTRY OF REF DOCUMENT : EP
WO9214972 A1	19931216	LSWD	REG	REFERENCE TO NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : 8642
WO9214972 A1	19970502	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 1992904478 COUNTRY OF REF DOCUMENT : EP

Title: STOVE

Abstract: This invention is for a **stove** having a cylindrical body with holes circumferentially disposed on the sides thereof and which holes gradually increase in number and in size towards the top thereof. The cylindrical body has an open top and a bottom wall and supported by legs at the bottom thereof. Disposed within the cylindrical body and spaced from the bottom wall are vertically spaced apart plates, the upper of said plates being perforated and both plates are connected to a central downwardly extending short cylinder communicating with the space above the bottom wall which has primary inlet openings with an adjustable rotatable plate for opening said primary inlet opening. Resting on the short cylinder is the vertical cylindrical screen, and at the top of said cylindrical body is a cover which has a flame opening defined by a short upwardly and downwardly protruding short cylinder. At the bottom of said cover is suspended a fuel top shield with a central opening.

Classifications:

International (IPC 8-9): F24B1/02 (Advanced/Invention);
F24B1/00 (Core/Invention)

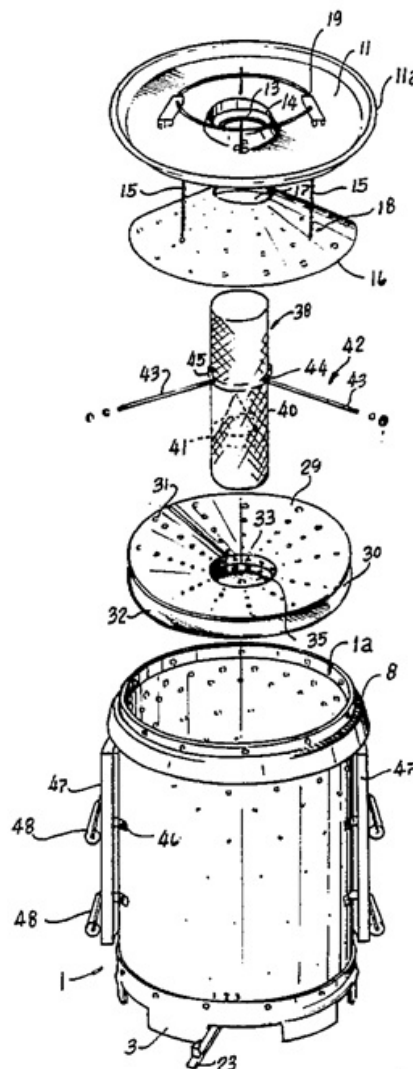
International (IPC 1-7): A61F13/16 F23B1/38 F23M5/00 F24B13/02
F24B9/00

CPC: F24B1/024

European: F24B1/02D

US: 110/251 126/147 126/163R 126/290

PatBase - US4502464_A

**Family:**

Publication number	Publication date	Application number	Application date
■ KR19850007860 A	19851209	KR19840002394	19840503
■ PH16231 A	19830811	PH19830028556	19830223
■ PH22476 A	19880912	PH19830028558	19830223
■ PH22476 A	19880912	PH19830028559	19830223
■ US4502464 A	19850305	US19840577982	19840208

Priority:

PH19830028556 19830223 PH19830028559 19830223 US19840577982 19840208

Probable Assignee: JOHNSON AND JOHNSON BABY PROD

Assignee(s): (std): FIGUEROA ALBERTO A ; JOHNSON AND JOHNSON BABY PROD

Assignee(s): JOHNSON AND JOHNSON BABY PRODUCTS CO ; JOHNSON AND JOHNSON BABY PRODUCTS COMPANY

Inventor(s): (std): FIGUEROA ALBERTO A ; REPKE VIRGINIA L

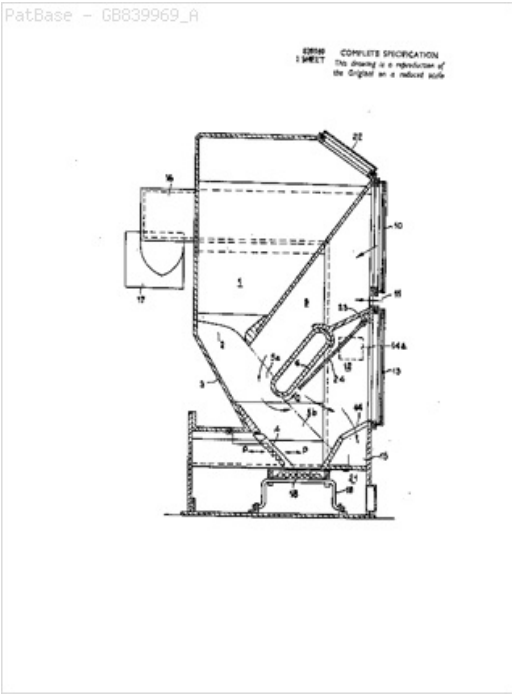
Legal status (INPADOC)

Patent	Date recorded	Event group	Code	Event	Details
KR19850007860 A	19851209	LSPB	+	published / reissued	
PH16231 A	19830811	LSGT	+	granted / extensions (spc, cpc, pte)	
PH16231 A	20000811	PEXP		Calculated Patent Term Expiry	
PH22476 A	19880912	LSGT	+	granted / extensions (spc, cpc, pte)	
PH22476 A	19880912	LSGT	+	granted / extensions (spc, cpc, pte)	
PH22476 A	20050912	PEXP		Calculated Patent Term Expiry	
PH22476 A	20050912	PEXP		Calculated Patent Term Expiry	
US4502464 A	19850305	LSGT	+	granted / extensions (spc, cpc, pte)	
US4502464 A	19850102	LSGT	PAT1	Patented Case	
US4502464 A	19890206	LSFE	+FPAY	FEE PAYMENT	YEAR OF FEE PAYMENT : 4
US4502464 A	19930307	LSLE	-LAPS	LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
US4502464 A	19930518	LSLE	-FP	EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	EFFECTIVE DATE : 19930307
US4502464 A	20180123	LSLE	-PEX1	Patent Expired Due to NonPayment of Maintenance Fees Under 37 CFR 1.362	
US4502464 A	20180123	LSLE	-STCH	INFORMATION ON STATUS: PATENT DISCONTINUATION	TEXT : PATENT EXPIRED DUE TO NONPAYMENT OF MAINTENANCE FEES UNDER 37 CFR 1.362

Title: Closed solid-fuel **stoves**.

Abstract: 839,969. Closed solid-fuel **stoves**. DRIEBERGEN, W. Jan. 24, 1957 [Jan. 28, 1956], No. 2654/57. Class 126 A solid-fuel **stove** comprises a fuel hopper 1 having a **port** 2 from which an imperforate wall 3 extends downwardly forming a single fuel support with an inclined grate 4, which can be adjusted in the direction P-P. The combustion chamber is divided into two spaces 9, 12 by a hollow wall 6 of refractory material cooled by air admitted at its open ends and expelled through hot air flues. Water may be used as the cooling agent. The space 9 has a door and adjustable air inlet 11. Combustion air and other gases are drawn from the space 9, as shown by the arrow Q, into the space 12. The latter has a door 13 and an exhaust 14 to flues 15, 16 leading to an exhaust aperture 17. A horizontal grate 18 carried by pivotable supports 19 supports the base of the fuel bed and primary air is admitted through an ash compartment 21 and grate 4.

Classifications:
International (IPC 1-7): F24B13/02



Family:

Publication number	Publication date	Application number	Application date
GB839969 A	00000000		00000000

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB839969 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: IMPROVEMENTS RELATING TO GAS-HEATED COOKING APPARATUS

Abstract: 844,874. Hot plate **stoves**. OATLEY TECHNICAL DEVELOPMENTS Ltd. Oct. 3, 1958 [July 5, 1967], No. 21282/57. Class 126. In a gas-heated hotplate 3 movable from a horizontal position to a vertical position, the knobs 7 of the gas taps are housed substantially within a recess or recesses 8 which, in the horizontal position of the hot plate 3, is/are below a pan support (not shown), and in an upright wall 9 of a casing at least partly enclosing the burners 6, tap bodies and connecting pipe-work. The casing also comprises a panel 12 located by the edge of a return flange on the wall 11 of the recess 8. A drip tray 13 secured along one edge between a return flange 14 and the upper wall 10 of the recess 8 and spaced from the wall 10 protects the knobs 7 from radiant heat. In the vertical position, the greater part of the hotplate 3 is housed in a casing 4. The upper wall of the casing is cut away, between tongues which cover each knob 7, to allow the central **portion** of the recess to be used as a finger grip. Alternatively, as shown, the knobs are covered by similar parts of the housing 16 of a lamp, the inclined lamp glass 17 giving access to the recess. Specification 830,484 is referred to.

Classifications:

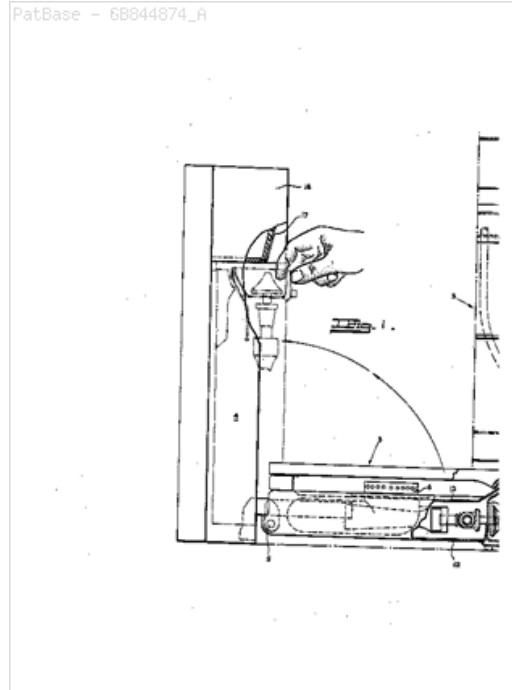
International (IPC 8-9): F24C15/10 F24C3/02 (Advanced/Invention);
F24C15/10 F24C3/00 (Core/Invention)

International (IPC 1-7): F24C15/10 F24C3/02

CPC: F24C3/008 F24C15/30 F24C15/10

European: F24C15/10 F24C15/30

PatBase - 68844874_A

**Family:**

Publication number	Publication date	Application number	Application date
GB844874 A	19600817	GB19570021282	19570705

Priority:

GB19570021282 19570705

Probable Assignee: OATLEY TECHNICAL DEV

Assignee(s): (std): OATLEY TECHNICAL DEV ; OATLEY TECHNICAL DEVELOPMENTS

Assignee(s): OATLEY TECHNICAL DEVELOPMENTS LIMITED ; OATLEY TECHNICAL DEVELOPMENTS LTD

Inventor(s): (std): OATLEY ARTHUR FREDERICK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB844874 A	19600817	LSGT	+	granted / extensions (spc, cpc, pte)	
GB844874 A	19770705	PEXP		Calculated Patent Term Expiry	

Title: Improvements relating to electric heaters

Abstract: 908,725. Radiant electric heaters; reflectors. ASSOCIATED ELECTRICAL INDUSTRIES Ltd. Jan. 16, 1961 [Jan. 28, 1960], No. 3140/60. Classes 39 (3) and 126. An electric infra-red space or industrial heater of the type comprising a sheathed resistance element 8, Fig. 3, mounted in front of a parabolic reflector 4 has an elongated main frame 1 of aluminium alloy or similar lightweight metal which is provided with parallel longitudinal channels 3 into which the reflector 4 may slide from either end. The reflector is preferably of anodized aluminium. The heating element is supported by spaced apart support clips 7 having a re-entrant **portion** defining a stirrup 10 through which the heating element passes, the ends of the clip 7 are bent at right angles to produce **portions** 6¹, Fig. 2, which lie in the channels 3 of the frame. Further V-clips 11 are provided which are located as shown so as to restrict movement of the heating element. The device is earthed by a wire extending from near one of the end clips 7 to an appropriate terminal, the wire having a tubular **portion** crimped to its free end which is soldered to the sheath of the heating element. Slotted cover plates are provided at the ends of the device to cover the terminals. A number of such heaters may be provided in side-by-side relation, and the reflector 4 may be in two parts mounted end-to-end in the channels 3.

Classifications:

International (IPC 8-9): F24C7/06 (Advanced/Invention);

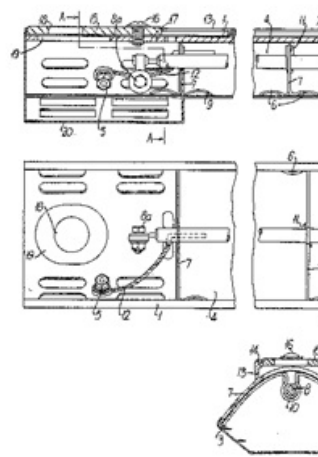
F24C7/00 (Core/Invention)

International (IPC 1-7): F24C7/06

CPC: F24C7/065

European: F24C7/06B2

PatBase - GB908725_A



Family:

Publication number	Publication date	Application number	Application date
GB908725 A	19621024	GB19600003140	19600128

Priority:

GB19600003140 19600128

Probable Assignee: ASS ELECT IND

Assignee(s): (std): ASS ELECT IND

Assignee(s): ASSOCIATED ELECTRICAL INDUSTRIES LIMITED

Inventor(s): (std): SCHOLLES DENIS HERBERT PATRICK ; WATERHOUSE FRANK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB908725 A	19621024	LSGT	+	granted / extensions (spc, cpc, pte)	
GB908725 A	19800128	PEXP		Calculated Patent Term Expiry	

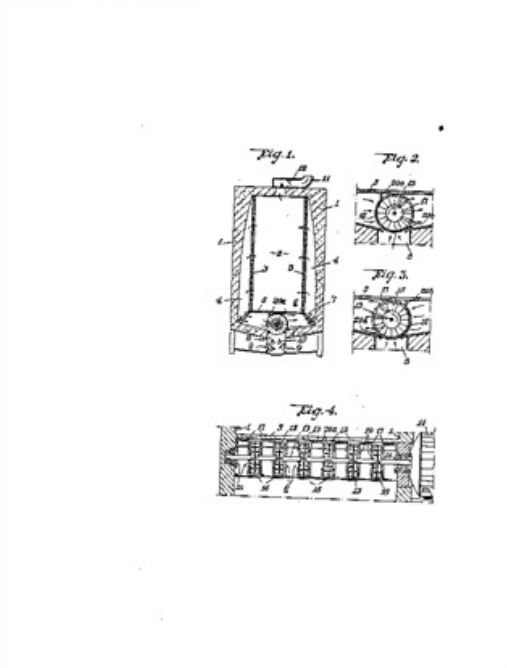
Title: IMPROVEMENTS IN OR RELATING TO APPARATUS FOR TREATING FOOD

Abstract: 912,162. Oven **stoves**. NORRMALMS INDUSTRIER A.B. Sept. 30, 1960 [Oct. 3, 1959], No. 33706/60. Class 126. [Also in Groups VI, XIII, XXVI and XXIX] Apparatus for treating food, e.g. sausages and other meat products, with air, steam, smoke or other gaseous media, comprises a compartment for the food to be treated, a blower-unit cooperating with the compartment to circulate the treating medium through the compartment and including a reversible motor coupled to a rotatable driving shaft on which a fan provided with radial vanes rotates, and a valve arrangement to reverse the direction of circulation of the treating medium through the compartment comprising a housing partially enclosing the fan and rotatable about the driving shaft in response to a change of direction of rotation of the shaft and a stop arranged to co-operate with the housing to arrest rotation of the housing in each of two alternative operative positions according to the direction of rotation of the driving shaft. Food is treated in the central compartment 2, Fig. 1, of a heat-insulated cabinet 1 by gas circulated by a blower-unit 6 across the central compartment from one lateral compartment 4 to the other, either counter-clockwise (as depicted in Figs. 1 and 2) or clockwise (Fig. 3). Fresh air, steam, smoke or mixtures of these, as the case may be, is introduced through openings 9, Fig. 1, while surplus medium escapes through a valve 12 at a rate corresponding to that of the supply of fresh medium; tubular gas burners, electric heating elements or cooling coils 10 may be provided for adjustment of the temperature of the medium on entering, but alternatively heating elements and cooling coils may be placed on both sides of the blower-unit under the bottom 5 of the central compartment or built into the walls 3 of the central compartment. The blower-unit comprises a horizontal driving-shaft 13 extending the full length of the cabinet, coupled to a reversible electric motor; the driving-shaft carries a number (Fig. 4, not shown) of axially-spaced centrifugal fan wheels 15, each partially enclosed by trough-like casings 16 mutually interconnected by casings 17 and the housing thus formed by the casings is rotatably mounted on the driving-shaft 13. Thus, on reversing the rotational direction of the fan(s) the housing will also rotate between its two terminal positions (as depicted in Figs. 2 and 3). This rotation is facilitated by the provision of wings or flanges 20a, 20b, upon which the flow of gaseous medium impinges when the reversal is effected; the wings or flanges act also as stops and co-operate with the surrounding walls to prevent excess leakage around the blower-unit. The cabinet depicted in Fig. 5 is provided with a central, vertically extending partition 31 so that the gaseous medium may circulate upwards through one-half of the compartment and downwards through the other, and the blower-unit comprises a rotatable cylindrical barrel 21 having broad slots 211 and 21¹¹ extending peripherally over each one-half of the circumference of the barrel; fresh treating medium admitted through the slots 211¹ is blown into the treating compartments through the slots 21¹ by rotary fan wheels 25 coupled to the rotor 28 of an electric motor 26. The stator 26 of the motor, which has two diametrically opposite projections 29 for cooperation with an abutment 30, enables the barrel 21 when rigidly connected to the stator, to move to and fro by approximately half a revolution on reversal of the rotor, whereby the direction of flow of the treating medium through the compartments may be reversed. Alternatively, the turning of the barrel may be effected by incorporating a simple mechanical gear between the stator 26 and the barrel 21; the gear ratio may be such that a small rotational movement of the stator will be enough to complete the full change of position of the barrel. Smoke may be generated by pressing blocks 35 of wood by cup-like weights 34 against the rotating roller 33; the smoke produced passes a curtain 36 of water and a filtering screen 37 before entering the barrel. Steam or other gaseous medium may be supplied in a similar manner in combination with smoke, if desired, and the circulating gaseous medium may be heated to a suitable temperature. The blower-unit may alternatively be located near the top of or outside the treating apparatus and its driving shaft may be vertically disposed.

Classifications:

International (IPC 8-9): A23B4/052 A23L3/3409 (Advanced/Invention);
A23B4/044 A23L3/34 (Core/Invention)
International (IPC 1-7): A23B4/00 A23L1/01
CPC: A23B4/052 A23L3/3409 Y02A40/949
European: A23B4/052 A23B7/052 A23L3/3409

PatBase - GB912162_A



Family:

Publication number	Publication date	Application number	Application date
GB912162 A	19621205	GB19600033706	19600930

Priority:

SE19590009206 19591003

Probable Assignee: NORRMALMS IND AKTIEBOLAG
Assignee(s): (std): NORRMALMS IND AKTIEBOLAG
Assignee(s): NORRMALMS INDUSTRIER AKTIEBOLAG

Legal status (INPADOC)

Patent	Date recorded	Event group	Code	Event	Details
GB912162 A	19621205	LSGT	+	granted / extensions (spc, cpc, pte)	
GB912162 A	19800930	PEXP		Calculated Patent Term Expiry	

Title: Improvements relating to water heaters

Abstract: 934,211. Water heating **stoves**. JABEZ ATTWOOD Ltd. Jan. 21, 1960 [Jan. 22, 1959], No. 2345/59. Class 126. A water heating **stove** comprises a jacket 11, 12, 13 surrounding the sides, back and top of a fire box having a bottom grate 18. The **stove** is fed through a hopper 21, and a flue outlet 37 leads from the top of the hopper. A baffle plate 39 with an upwardly sloping front part 40 dividing the flue outlet from the hopper, extends to the back wall of the combustion space, cutaway comers 43 allowing the gases to flow up the sides of the combustion space and along the underside of the upper water space 13 by a sinuous path between upstanding lugs 44 on the baffle plate. The baffle 39 is supported from the hopper by lugs 34 on the side walls of the hopper and it can be removed through the hopper by a tool engaging a hole 42 in the front lug 41 of the baffle.

Classifications:

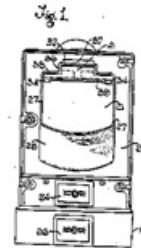
International (IPC 8-9): F24H1/28 (Advanced/Invention)

International (IPC 1-7): F24H1/24

CPC: F24H1/28 F23B80/04 F24H2230/00

European: F23B80/04 F24H1/28 R24H230/00

PatBase - GB934211_A



Family:

Publication number	Publication date	Application number	Application date
GB934211 A	19630814	GB19590002345	19590122

Priority:

GB19590002345 19590122

Probable Assignee:	JABEZ ATTWOOD LTD
Assignee(s): (std):	JABEZ ATTWOOD LTD
Assignee(s):	JABEZ ATTWOOD LIMITED
Inventor(s): (std):	HAND JOHN RAYMOND

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB934211 A	19630814	LSGT	+	granted / extensions (spc, cpc, pte)	
GB934211 A	19790122	PEXP		Calculated Patent Term Expiry	

Title: SUBSTITUTED PHENOXYACETIC ACID DIETHYLAMIDES AS ANESTHETICS

Abstract: Novel aryloxyacetic acid amides of formula wherein X represents a direct bond, -CH₂-, -CH₂CH₂- or -CH = CH-, R₁ is an alkyl group, R₂ and R₃ are each alkyl groups, and R₄ is an alkyl or alkoxy group, the alkyl and alkoxy groups having 1-5 carbon atoms, or R₃ and R₄ together with the nitrogen represent a saturated heterocyclic radical having 5-7 ring members one of which may be oxygen, are prepared by esterifying the corresponding 2 - alkoxy - 4 - hydroxy - alkyl - phenoxyacetic acid amide compounds or reactive derivatives thereof. Compounds of Formula I wherein X represents -CH₂CH₂- may be prepared by reducing the propenylene compounds of Formula I in which X represents -CH=CH-. The 2 - alkoxy - 4 - hydroxyalkyl - phenoxyacetic acid diethylamide starting materials (R₃ = R₄ = Et) may be prepared by reacting a 2 - alkoxy - 4 - hydroxyalkylphenol with chloroacetic acid diethylamide. These may be converted to reactive derivatives, e.g. the 4chloroalkyl derivative, by reaction with thionyl chloride, or the 4-tosyloxyalkyl derivative, by reaction with p-toluenesulphonic acid chloride. 3 - (31 - Ethoxy - 41 - hydroxyphenyl) - propanol may be prepared by esterifying 3-ethoxy-4-hydroxycinnamic acid with ethanol, reducing the resulting ethyl 3-ethoxy-4-hydroxycinnamate to ethyl 3-ethoxy-4-hydroxy-hydrocinnamate by catalytic hydrogenation, followed by reduction of the ester group with lithium aluminium hydride. ALSO: Therapeutic compositions useful as short-acting anaesthetics and which may be administered parenterally contain as active ingredient compounds of formula wherein X represents a direct bond, -CH₂-, -CH₂CH₂- or -CH=CH-, R₁ is an alkyl group, R₂ and R₃ are each alkyl groups, and R₄ is an alkyl or alkoxy group, the alkyl and alkoxy groups having 1-5 carbon atoms, or R₃ and R₄ together with the nitrogen represent a saturated heterocyclic radical having 5-7 ring members one of which may be oxygen. The compositions may also contain water soluble salts of bile acids such as sodium dehydrocholate, morpholine desoxycholate, or ethanolamine cholate, salts of a - naphthylacetic acid or histamine.

Classifications:

International (IPC 8-9): C07C59/58 C07D295/185 F22B21/34 F23G5/12 F23G5/24 F23G5/46 F24H1/26 F24H1/40 F24H1/44 F24H1/46 F24H9/18 (Advanced/Invention);

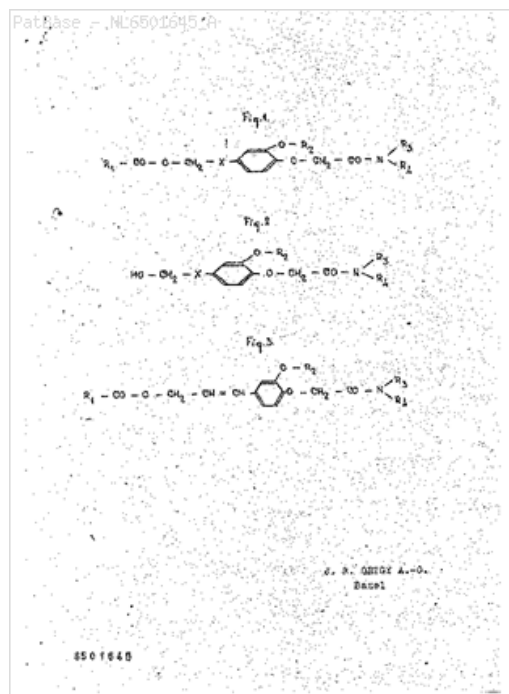
C07C59/00 C07D295/00 F22B21/00 F23G5/08 F23G5/24 F23G5/46 F24H1/22 F24H1/46 F24H9/18 (Core/Invention)

International (IPC 1-7): A61K27/00 A61K31/165 C07C103/16 C07C103/32 C07C103/34 C07C103/76 C07C59/58 C07C95/00 F24H1/18 F24H1/42

CPC: C07D295/185 C07C59/58 F24H1/44 F24H9/1818 F22B21/34 F23G5/12 F23G5/245 F23G5/46 F24H1/26 F24H1/40 F24H1/46 F24H2230/00

European: 124BG12B3 124BG12B3D2B2C 124BG12B3D2B2F 124BG12B3D2B2F2D 124HB10A 13AF5G4B C07C59/58 C07D295/185 R24H230/00

US: 260/490 424/311 424/324 514/237.5 514/330 514/423 514/546 514/622 560/252 560/312 564/175

**Family:**

Publication number	Publication date	Application number	Application date
AT251244 B	19661227	AT19650000253	19650114
AT251567 B	19670110	AT19650000122	19650108
AT251568 B	19670110	AT19660001342	19650108
AT251569 B	19670110	AT19660001343	19650108
AT253486 B	19670410	AT19650000959	19650203
AT253487 B	19670410	AT19650001188	19650210
AT253490 B	19670410	AT19660004070	19650203
BE658086 A	19650708		19650108
BE659219 A	19650803		19650203
BE659319 A	19650528		19650205
BE659531 A	19650810		19650210
CH432494 A	19670331	CH19640000278	19640110
CH432495 A	19670331	CH19640001260	19640204
CH432777 A	19670331	CH19650000460	19650112
CH435240 A	19670515	CH19640001633	19640211
DE1249851 A	00000000		00000000
DE1249851 B	00000000		00000000
DE1454386 A1	19690123	DE19641454386	19640206
DK109138 C	19680325	DK19650004436	19650210
ES307982 A1	19650616	ES19650307982	19650109
ES307983 A1	19651216	ES19650307983	19650109
ES307984 A1	19650616	ES19650307984	19650109
ES308918 A1	19651216	ES19650308918	19650203
ES308920 A1	19660101	ES19650308920	19650203
ES309175 A1	19651216	ES19650309175	19650210

ES309176 A1	19651216	ES19650309176	19650210
FR1426481 A	19660128	FR19650005057	19650210
FR1441465 A	19660610	FR19650001389	19650109
FR1443110 A	19660624	FR19650004293	19650203
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FR4400 M	00000000		00000000
GB1030309 A	19660518	GB19650004608	19650203
GB1031090 A	19660525	GB19650005688	19650210
GB1032872 A	19660615	GB19650000844	19650108
GB1070209 A	19670601	GB19650003441	19650126
IL22958 A1	19680725	IL19650022958	19650210
NL6500209 A	19650712	NL19650000209	19650108
NL6500292 A	19650809	NL19650000292	19650111
NL6501364 A	19650805	NL19650001364	19650203
NL6501645 A	19650812	NL19650001645	19650210
US3484527 A	19691216	US19670624625	19670320
US3510559 A	19700505	US19670624622	19670320
US3511877 A	19700512	US19690813303	19690403

Priority:

CH19640000278 19640110 CH19640001260 19640204 DE1964B075320 19640206
CH19640001633 19640211 US19690813303 19690403

Probable Assignee: GEIGY CHEM CORP

Assignee(s): (std): BURGER EISENWERKE AG ; GEIGY AG J R ; GEIGY CHEM CORP ; GEIGY J R AG

Assignee(s): J R GEIGY A G ; J R GEIGY S A ; J R GEIGY AG ; JRGEIGY AG ; GEIGY J AG ; BURGER EISENWERKE AKTIENGESELLSCHAFT

Inventor(s): (std): ARNOLD WINFRIED DR ; MOREL CHARLES J ; LADISLAUS JUNG DIPL ING ANTON ; HAESSLER GUENTER DIPL ING ; GUENTER HAESSLER DIPL ING ; FERRY DOBBS ; ARNOLD WINFRIED ; ANTON L DIPL ING JUNG ; MOREL CHARLES DR

Inventor(s): WINFRIED ARNOLD ; CHARLES J MOREL ; DOBBS FERRY ; L

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT251244 B	19661227	LSGT	+	granted / extensions (spc, cpc, pte)	
AT251244 B	19850114	PEXP		Calculated Patent Term Expiry	
AT251567 B	19670110	LSGT	+	granted / extensions (spc, cpc, pte)	
AT251567 B	19850108	PEXP		Calculated Patent Term Expiry	
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AT251568 B	19850108	PEXP		Calculated Patent Term Expiry	
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AT251569 B	19850108	PEXP		Calculated Patent Term Expiry	
AT253486 B	19670410	LSGT	+	granted / extensions (spc, cpc, pte)	
AT253486 B	19850203	PEXP		Calculated Patent Term Expiry	
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AT253487 B	19850210	PEXP		Calculated Patent Term Expiry	
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AT253490 B	19850203	PEXP		Calculated Patent Term Expiry	
BE658086 A	19650708	LSPB	+	published / reissued	
BE658086 A	19850108	PEXP		Calculated Patent Term Expiry	
BE659219 A	19650803	LSPB	+	published / reissued	
BE659219 A	19850203	PEXP		Calculated Patent Term Expiry	
BE659319 A	19650528	LSPB	+	published / reissued	
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BE659531 A	19850210	PEXP		Calculated Patent Term Expiry	
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CH432494 A	19840110	PEXP		Calculated Patent Term Expiry	
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CH432777 A	19850112	PEXP		Calculated Patent Term Expiry
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ES307984 A1	19650616	LSGT	+	granted / extensions (spc, cpc, pte)
ES308918 A1	19651216	LSGT	+	granted / extensions (spc, cpc, pte)
ES308920 A1	19660101	LSGT	+	granted / extensions (spc, cpc, pte)
ES309175 A1	19651216	LSGT	+	granted / extensions (spc, cpc, pte)
ES309176 A1	19651216	LSGT	+	granted / extensions (spc, cpc, pte)
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FR1426481 A	19850210	PEXP		Calculated Patent Term Expiry
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FR1441465 A	19850109	PEXP		Calculated Patent Term Expiry
FR1443110 A	19660624	LSGT	+	granted / extensions (spc, cpc, pte)
FR1443110 A	19850203	PEXP		Calculated Patent Term Expiry
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GB1030309 A	19850203	PEXP		Calculated Patent Term Expiry
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GB1031090 A	19850210	PEXP		Calculated Patent Term Expiry
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GB1032872 A	19850108	PEXP		Calculated Patent Term Expiry
GB1070209 A	19670601	LSGT	+	granted / extensions (spc, cpc, pte)
GB1070209 A	19850126	PEXP		Calculated Patent Term Expiry
IL22958 A1	19680725	LSPB	+	published / reissued
NL6500209 A	19650712	LSPB	+	published / reissued
NL6500292 A	19650809	LSPB	+	published / reissued
NL6501364 A	19650805	LSPB	+	published / reissued
NL6501645 A	19650812	LSPB	+	published / reissued
US3484527 A	19691216	LSGT	+	granted / extensions (spc, cpc, pte)
US3510559 A	19700505	LSGT	+	granted / extensions (spc, cpc, pte)
US3511877 A	19700512	LSGT	+	granted / extensions (spc, cpc, pte)

Title: Toasting device

Abstract: 906,996. Brackets for **stove** fronts. OATLEY TECHNICAL DEVELOPMENTS Ltd. Jan. 5, 1959 [Oct. 3, 1957], No. 30965/57. Class 126. [Also in Group VI] A toasting device comprises a supporting part 10, adapted to be detachably mounted on an upright gas or electric fire and a movable part 12 which in its closed position holds bread or the like to be toasted against the supporting part and opens downwardly about a horizontal hinge. As shown, the wire frame part 10 has hooks 14 and 15 which engage the fire guard 11 and brackets which receive a pivot 13 on the wire frame part 12. The lower **portion** of part 12 is curved so as to accommodate bread slices of different thicknesses and also to assist, with the aid of feet 17, in the turning over of the bread when the part 12 is lowered, side members being provided to retain the toast. The fire may have a metal reflecting surface 22, in which the surface of the toast may be viewed.

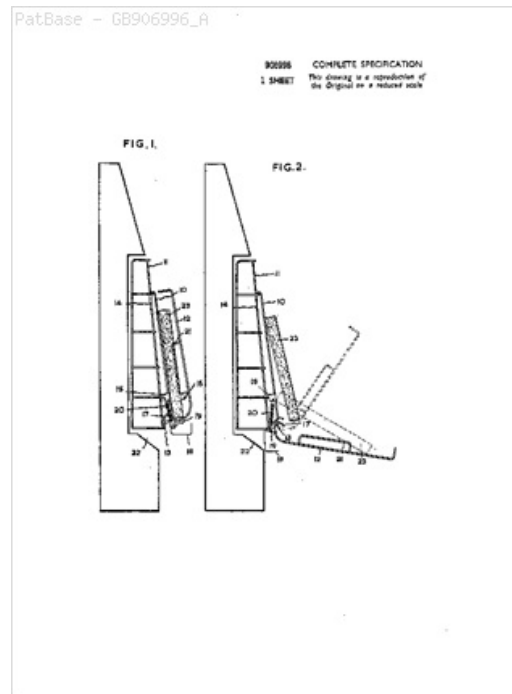
Classifications:

International (IPC 8-9): A47J37/08 (Advanced/Invention);
A47J37/08 (Core/Invention)

International (IPC 1-7): A21B5/02

CPC: A47J37/08

European: A47J37/08



Family:

Publication number	Publication date	Application number	Application date
GB906996 A	19620926	GB19570030965	19571003

Priority:

GB19570030965 19571003

Probable Assignee: OATLEY TECHNICAL DEV

Assignee(s): (std): OATLEY TECHNICAL DEV ; OATLEY TECHNICAL DEVELOPMENTS

Assignee(s): OATLEY TECHNICAL DEVELOPMENTS LIMITED

Inventor(s): (std): OATLEY ARTHUR FREDERICK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB906996 A	19620926	LSGT	+	granted / extensions (spc, cpc, pte)	
GB906996 A	19771003	PEXP		Calculated Patent Term Expiry	

Title: HEATER AND BURNER THEREFOR

Abstract: 853,287. Heaters; reflector **stoves**. EDDY, G. D. May 23, 1957 [June 5, 1956], No. 16427/57. Classes 75(1) and 126. A heater, e.g. a radiant heater, has the wall of the heat exchanger or radiant 24 in alignment with the outer wall 54, Fig. 2, of the fuel chamber of an annular burner 26 having a burner **port** 40 formed by the inner and outer side walls 36, 38 of the fuel chamber so that the flame is propagated along the heat-exchanger wall to impart all the useful heat to the secondary air being admitted solely through the central passage formed in the annular burner. The radiant comprises a cylinder 28 of wire mesh with a sheet metal cap 30 having a vent 31 and also with an eyelet 34 to enable the flame to intercommunicate on each side of the wall and facilitate igniting the burner by applying e.g. a lighted match to one side only of the wall. In a modification, Fig. 4, an unrestricted passageway 84 exists between the wall 28 and the burner **port** 40 for the admission of additional air and c. to the combustion zone so that the flame from the fuel issuing from the **port** 40 flows along and entirely adjacent the wall 28. To avoid flashback undulating ribbons of this sheet metal may be inserted between the annular walls of the **port** 40 and an intermediate thin sheet metal ribbon. In another embodiment, the heat exchanger wall comprises an impervious metal or ceramic material and is suitable for convection heating rather than radiation heating. The heater may be used with a reflector.

Classifications:

International (IPC 8-9): F23D14/00 F23D99/00

F24C1/08 (Advanced/Invention);

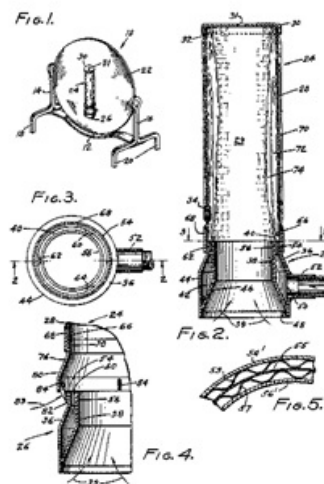
F23D14/00 F23D99/00 F24C1/00 (Core/Invention)

International (IPC 1-7): F24C1/08

CPC: F23D91/02 F24C1/08 F23D14/00 F23D2206/0094

European: F23D14/00 F23D21/00B F24C1/08 R23D206/00G55

PatBase - GB853287_A



Family:

Publication number	Publication date	Application number	Application date
GB853287 A	19601102	GB19570016427	19570523

Probable Assignee:

GEORGE DEWEY EDDY

Assignee(s): (std):

GEORGE DEWEY EDDY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB853287 A	19601102	LSGT	+	granted / extensions (spc, cpc, pte)	
GB853287 A	19770523	PEXP		Calculated Patent Term Expiry	

Title: Improvements in and relating to space heaters

Abstract: 793,830. Heating **stoves**. MATTHES, H., and MATTHES, H. J. R. Jan. 12, 1956, No. 1106/56. Class 126 A liquid fuel **stove** has a burner connected to one end of an oblong, horizontal metal box with an outlet at the other end, and reflectors are arranged above and below the box enclosing an angle of about 45 degrees with the horizontal walls of the box. A liquid fuel burner 9 is connected to a long horizontal box 5 with metal walls leading to a flue outlet 10. A V-section reflector 12 above the box 5 and an inverted V-section reflector 13 below it concentrates the heat in a horizontal direction. The upper reflector 12 is cooled by an air passage 14 communicating with a jacket 15 round the flue outlet 10, and the reflector 13 is cooled by a passage 16 supplying secondary air from the flue end of the **stove** to the burner 9. The **stove** may be enclosed in a casing having wire mesh side walls 4 and solid top and bottom walls which may form the air channels with the sides of the reflectors.

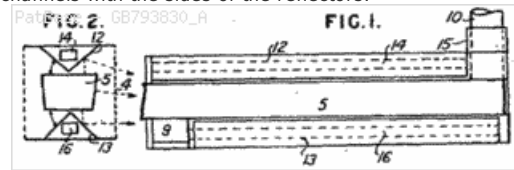
Classifications:

International (IPC 8-9): F24C5/08 (Advanced/Invention);
F24C5/00 (Core/Invention)

International (IPC 1-7): F24C5/08

CPC: F24C5/08

European: F24C5/08



Family:

Publication number	Publication date	Application number	Application date
GB793830 A	19580423	GB19560001106	19560112

Priority:

GB19560001106 19560112

Probable Assignee: HUIBERT MATTHES

Assignee(s): (std): HENDRIK JOHAN RUDOLF MATTHES ; HUIBERT MATTHES

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB793830 A	19580423	LSGT	+	granted / extensions (spc, cpc, pte)	
GB793830 A	19760112	PEXP		Calculated Patent Term Expiry	

Title: Ofen mit Kochflaeche zur Beheizung von Raeumen

Abstract: Source: DE202009005372U1 [DE] (Claim 1) 1. Ofen mit Kochflaeche zur Beheizung von Raeumen mit Seitenwaenden, einer Front- und einer Hinterwand (4 und 5), einem Kochfeld (6) und einem Rauchabgasstutzen (8), wobei das Kochfeld (6) oben an den genannten Waenden befestigt ist, wobei die Frontwand (4) mit einer mittels einer Tuer (7) absperrbaren Beschickungsoeffnung versehen ist und wobei in den Seitenwaenden Luftkanaele ausgebildet sind, dadurch gekennzeichnet, dass die Seitenwaende mit zwei Reihen aus Rohren (2) ausgebildet sind, deren Seitenflaechen mittels Blechen (3) aneinander angeschlossen sind, dass die unteren Teile der Rohre (2) und diese verbindenden Bleche (3) entgegen zueinander gebogen und gekreuzt sind, wobei die unteren gekreuzten Teile der Rohre (2) al Ofenfuesse ausgebildet sind, dass das Kochfeld (6) mit Loechern (20) fuer Luftableitungsrohre versehen sind und dass der Rauchabgasstutzen (8) in der Hinterwand (5) des Ofens angeordnet ist.

Classifications:

International (IPC 8-9): F24B5/00 F24B5/06 F24B7/02 F24D15/00

F24D19/00 (Advanced/Invention);

F24B5/00 F24B7/00 (Core/Invention)

CPC: F24B7/04

European: F24B7/04

PatBase - DE202009005372_U1

DE 20 2009 005 372 U1 2009.07.23

Anhängende Zeichnungen

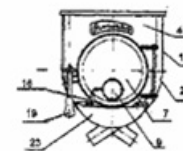


Fig. 1



Fig. 2

T90

Family:

Publication number	Publication date	Application number	Application date
■ CN201425344 Y	20100317	CN200920149408U	20090410
■ DE202009005372 U1	20090618	DE200920005372U	20090409
■ EE00892 U1	20100115	EE20090000026U	20090312
■ RU76702 U1	20080927	RU20080113881U	20080411
■ UA44909 U	20091026	UA20090002209U	20090313

Priority:

RU20080113881 20080411 RU20080113881U 20080411

Probable Assignee: ZAKRYTOE AKTSIONERNOE OBSHEST

Assignee(s): (std): CLOSE CORP LAOTERM ; CLOSED JOINT STOCK COMPANY LAO ; LOTERMU CLOSED JOINT SHOCK COMPANY ; ZAKRYTOE AKTSIONERNOE OBSHEST

Assignee(s): ZAKRYTOE AKTSIONERNOE OBSHESTVO LAOTERM ; CLOSED JOINT STOCK COMPANY LAOTERM ; CLOSE LAOTERM CORP

Inventor(s): (std): LEBEDEVA OLHA OLEKSANDRIVNA ; LEBEDEVA OLGA ALEXANDROVNA ; ALEXANDROVNA LEBEDEVA OLGA

Inventor(s): OLGA ALEXANDROVNA LEBEDEVA

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN201425344 Y	20100317	LSGT	+	granted / extensions (spc, cpc, pte)	
CN201425344 Y	20100317	LSGT	+C14	GRANT OF PATENT OR UTILITY MODEL	
CN201425344 Y	20170531	LSLE	-CF01	TERMINATION OF PATENT RIGHT DUE TO NON-PAYMENT OF ANNUAL FEE	
CN201425344 Y	20190410	PEXP		Calculated Patent Term Expiry	
DE202009005372 U1	20090618	LSGT	+	granted / extensions (spc, cpc, pte)	

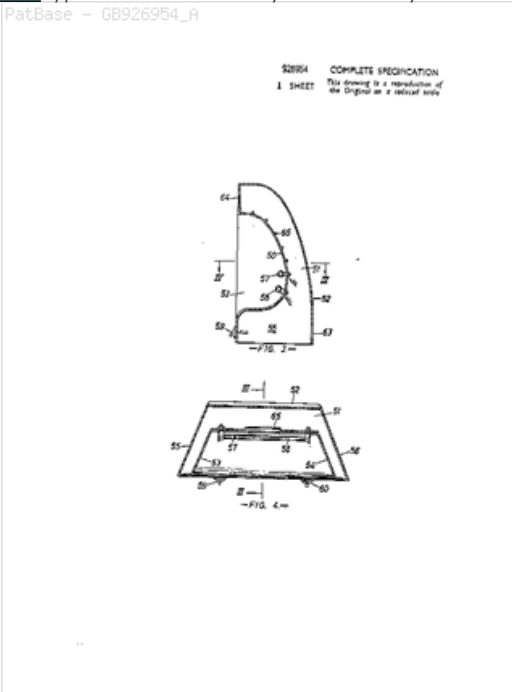
DE202009005372 U1	20090723	LSGT	R207	UTILITY MODEL SPECIFICATION	EFFECTIVE DATE : 20090723
DE202009005372 U1	20120621	LSGT	+R150	TERM OF PROTECTION EXTENDED TO 6 YEARS	EFFECTIVE DATE : 20120502
DE202009005372 U1	20150504	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	
DE202009005372 U1	20150611	LSGT	+R151	TERM OF PROTECTION EXTENDED TO 8 YEARS	EFFECTIVE DATE : 20150504
DE202009005372 U1	20171103	LSLE	-R158	LAPSE OF IP RIGHT AFTER 8 YEARS	
DE202009005372 U1	20190409	PEXP		Calculated Patent Term Expiry	
EE00892 U1	20100115	LSGT	+	granted / extensions (spc, cpc, pte)	
EE00892 U1	20130415	LSGT	+EXFP	EXTENSION TO 8 OR 10 YEARS (UTILITY MODEL)	EXPIRY DATE : 20170312
EE00892 U1	20171016	LSLE	-MM1K	LAPSE, DUE TO NON-PAYMENT OF FEE	EFFECTIVE DATE : 20170312
EE00892 U1	20170312	PEXP		Calculated Patent Term Expiry	
RU76702 U1	20080927	LSGT	+	granted / extensions (spc, cpc, pte)	
RU76702 U1	20160411	PEXP		Calculated Patent Term Expiry	
UA44909 U	20091026	LSGT	+	granted / extensions (spc, cpc, pte)	
UA44909 U	20190313	PEXP		Calculated Patent Term Expiry	

Title: Improvements in or relating to convection and radiation heaters

Abstract: 926,954. Electric radiators and reflector **stoves**. S. McDOUGALL. May 12, 1959 [June 27, 1958], No. 20606/58. Addition to 885,919. Classes 39 (3) and 126. [Also in Group XIII] A combined convection and radiation space heater comprises electric, gas or oil heating means arranged in front of a reflector having two or more apertures formed therein above the heating means to permit radiant heat and air to enter a single air heating passage 13 formed behind the reflector. The apertures may comprise louvres, slots or regularly or irregularly shaped holes, or as shown, the reflector may comprise spaced sections 30, 31, 32 overlapping to provide upwardly directed inlets 33, 34 to the air heating passage 13, and a further air inlet aperture 21 near the heated air outlet 19. Electric heating element 35, 36, 37 are located below the apertures 33, 34 and 21. The elements may be located in slots in the reflector. The sides of the air passage 13 may be formed by walls diverging outwardly towards the reflector. The heating elements may comprise gas burners with tubular radiants. Alternatively an oil burner may be situated centrally of the reflector. The apparatus may be adapted as a heater of the panel or **portable** type and the air flow may be assisted by a fan.

Classifications:

International (IPC 8-9): F24C1/14 F24C7/06
F24H3/04 (Advanced/Invention);
F24C1/00 F24C7/00 F24H3/04 (Core/Invention)
International (IPC 1-7): F24C1/14 F24C7/06
CPC: F24C1/14 F24C7/065 F24H3/0411
European: F24C1/14 F24C7/06B2 F24H3/04B2



Family:

Publication number	Publication date	Application number	Application date
GB926954 A	19630522	GB19580020606	19580627

Priority:

GB19580020606 19580627

Probable Assignee: SIDNEY MCDUGALL

Assignee(s): (std): SIDNEY MCDUGALL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB926954 A	19630522	LSGT	+	granted / extensions (spc, cpc, pte)	
GB926954 A	19780627	PEXP		Calculated Patent Term Expiry	

Title: Food ration kit for sports and military use

Abstract: 908,002. **Portable stoves.** LAERUM, J., MOWINCKEL, J. E., and BARSDEN, H., [trading as LAERUM and CO., JOH]. Nov. 22, 1960 [Nov. 27, 1959], No. 40049/60. Class 126. [Also in Groups VI, VIII and XVII] A carton 26, Fig. 4, containing food tins 33, 37, a fuel container 36, food blocks 35, paper 34, folded paper cups 39 and a foldable tin opener 38 and having a cover 27, possesses a single top flap 31 opening up about score lines 23 to form a tubular heating stand over the top edges of which the tins 33, 37 engage via tongues 41 which may be initially inside them and bent out after they are opened. The carton 26 is made up from a blank, Fig. 1, comprising lower and upper stuck-together sheets 30, 31, respectively of cardboard and of aluminium foilcovered on both faces with asbestos sheet adhered thereto by polyvinyl acetate emulsion and impregnated with an organic silicon polymer. Air intake openings 25 are provided.

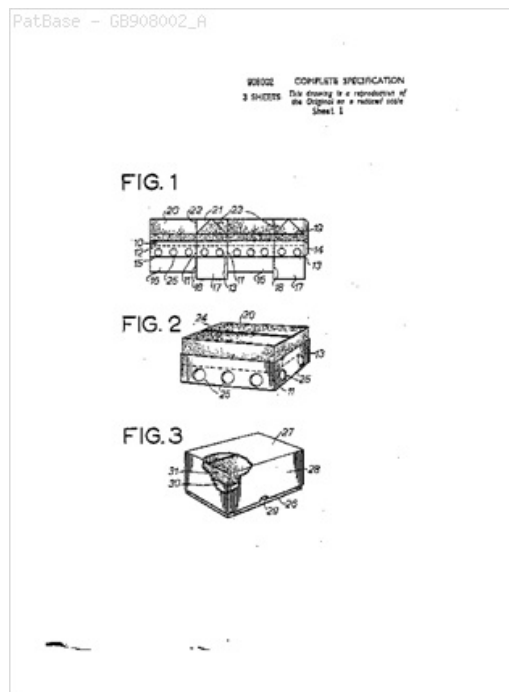
Classifications:

International (IPC 8-9): A47J33/00 A47J36/02 A47J37/07 B65D5/42 B65D77/04 B65D81/34 B65D81/36 (Advanced/Invention)

International (IPC 1-7): A47J33/00 B65D81/34

CPC: A47J33/00 A47J36/022 A47J37/0768 B65D5/42 B65D77/0413 B65D81/3407 B65D81/3484 B65D81/36 B65D2577/042 B65D2581/3425

European: A47J33/00 A47J36/02B A47J37/07H2 B65D5/42 B65D77/04C B65D81/34 B65D81/34A B65D81/34S B65D81/36 L65D577/04Y1 L65D581/34H1T



Family:

Publication number	Publication date	Application number	Application date
CH390146 A	19650331	CH19600013296	19601128
DE1293408 B	19690424	DE1960L037631	19601125
GB908002 A	19621010	GB19600040049	19601122

Priority:

NO19590133956 19591127

Probable Assignee: JOHAN ERNST MOWINCKEL

Assignee(s): (std): HAKON BARSDEN ; JOH LAERUM AND CO ; JOHAN ERNST MOWINCKEL ; JOHAN LAERUM

Inventor(s): (std): JOHAN LAERUM

Inventor(s): LAERUM JOHAN

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CH390146 A	19650331	LSGT	+	granted / extensions (spc, cpc, pte)	
CH390146 A	19801128	PEXP		Calculated Patent Term Expiry	
DE1293408 B	19690424	LSPB	+	published / reissued	
GB908002 A	19621010	LSGT	+	granted / extensions (spc, cpc, pte)	
GB908002 A	19801122	PEXP		Calculated Patent Term Expiry	

Title: Fireplace.

Abstract: Open fireplace, provided with a surround, in which a flame chamber is delimited by a first horizontal pipe which, by means of a number of smaller essentially horizontally installed pipes, is connected to a U-shaped pipe, and a similar second set of pipes installed above, the first and the second U-shaped pipe being interconnected by a large number of spirally wound pipes, and a distributing pipe, arranged above the second set of pipes and connected to the second horizontal pipe, being provided, to which, one above the other, a large number of heat exchanger pipes are connected, with a common carry-off pipe. On the upper side, the fireplace can still be closed off by a further heat exchanger, in the form of a shutter, consisting of a U-shaped supply pipe and a centrally installed carry-off pipe which are connected by a large number of smaller pipes, and above which pipe system an adjustable plate is arranged.

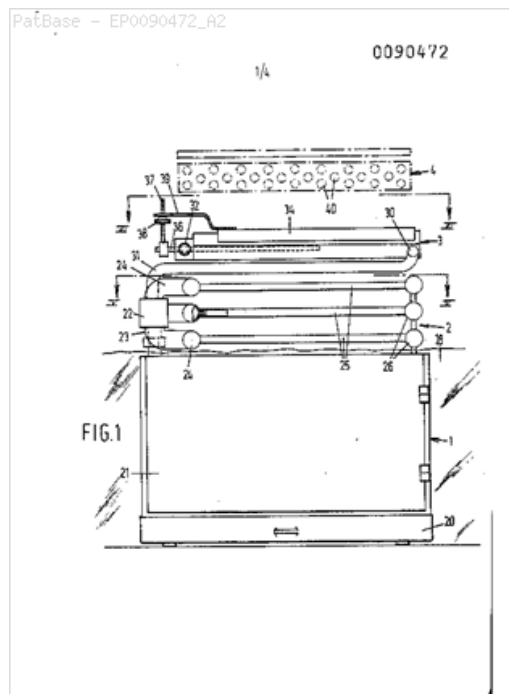
Classifications:

International (IPC 8-9): F24B1/183 F24B1/188 (Advanced/Invention); F24B1/00 (Core/Invention)

International (IPC 1-7): F24B11/00 F24B7/04 F24B9/00 F24D3/00

CPC: F24B1/183 F24B1/1883

European: F24B1/183 F24B1/188D



Family:

Publication number	Publication date	Application number	Application date
DK141283 A	19830927	DK19830001412	19830328
DK141283 A0	19830328	DK19830001412	19830328
EP0090472 A2	19831005	EP19830200436	19830328
EP0090472 A3	19831116	EP19830200436	19830328
NL8201276 A	19831017	NL19820001276	19820326

Priority:

NL19820001276 19820326

Probable Assignee: GERARDUS HUBERTUS PAULUS WILHE

Assignee(s): (std): ETNA DE BV ; GERARDUS HUBERTUS PAULUS WILHE ; ETNA BV DE

Assignee(s): GERARDUS HUBERTUS PAULUS WILHELMUS LINDEN TE KLIMMEN ; DE ETNA B V ; DE ETNA BV ; ETNA B V DE

Inventor(s): (std): LINDEN GERARDUS HUBERTUS PAULU

Inventor(s): LINDEN GERARDUS HUBERTUS PAULUS ; LINDEN GERARDUS HUBERTUS PAULUS WILHELMUS ; GERARDUS HUBERTUS PAULUS LINDEN

Designated states: AT BE DE FR GB SE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DK141283 A	19830927	LSPB	+	published / reissued	
DK141283 A	19871207	LSWD	-AHB	APPLICATION SHELVED DUE TO NON-PAYMENT	
DK141283 A	19871214	LSWD	-AHB	APPLICATION SHELVED DUE TO NON-PAYMENT	
DK141283 A	19901224	LSLE	-PBP	PATENT LAPSED	
EP0090472 A2	19831005	LSPB	+	published / reissued	

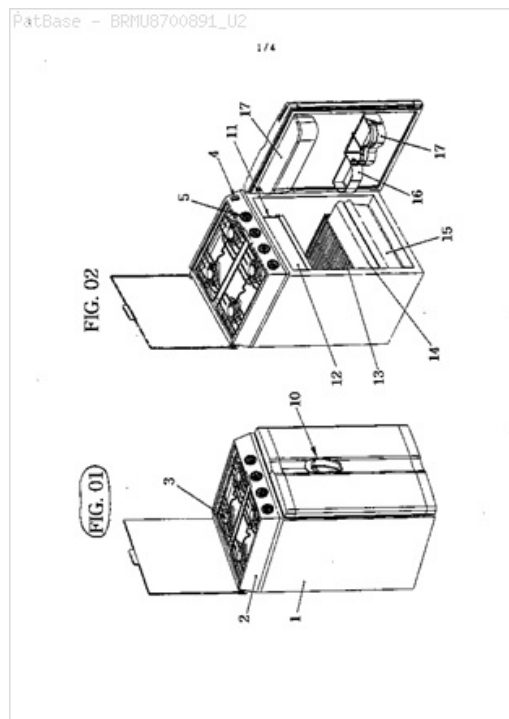
EP0090472 A3	19840801	LSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 19840515
EP0090472 A3	19850731	LSAS	RAP1	RIGHTS OF AN APPLICATION TRANSFERRED	PARTYTYPE : OWNER OWNER : LINDEN, GERARDUS HUBERTUS PAULUS WILHELMUS
EP0090472 A3	19880330	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 19871001
NL8201276 A	19831017	LSPB	+	published / reissued	
NL8201276 A	19871102	LSLE	-BV	THE PATENT APPLICATION HAS LAPSED	

Title: fogco conjugado A geladeira Fogco conjugate The refrigerator (Machine translation)

Abstract: Source: BRMU8700891U [PT] Resumo 1 /1 3 Fogao conjugado a geladeira, particularmente tratando-se de um fogao a GLP, contando corn a parte superior dotada de queimadores adequadamente dispostos e a parte inferior adaptada para receber uma geladeira de gabinete, 5 sendo dotado de um sistema de isolamento superior para evitar aquecimento da geladeira, tampa de fechamento do fogao, porta convencional da geladeira com bebedouro externo, divisorias externas e demais acessorios. ss ss
Machine translation: Summary 1/1 3 Fogao conjugate the refrigerator, particularly in the case of a **stove** to LPG, telling corn upper equipped with properly arranged burners and the bottom adapted to receive a cabinet refrigerator, with 5 being provided with a insulation system top to avoid heating the refrigerator, **stove** closing cover, conventional door refrigerator with external water cooler, external dividers and other accessories. ss ss ss

Classifications:

International (IPC 8-9): F24C11/00 F25D31/00 (Advanced/Invention);
 F24C11/00 F25D31/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
BRMU8700891 U2	20090310	BR2007MU00891U	20070720

Priority:

BR2007MU00891U 20070720

Probable Assignee:

SOARES EZEQUIEL JOSIAS

Assignee(s): (std):

SOARES EZEQUIEL JOSIAS

Assignee(s):

EZEQUIEL JOSIAS SOARES

Inventor(s): (std):

SOARES EZEQUIEL JOSIAS

Inventor(s):

EZEQUIEL JOSIAS SOARES

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRMU8700891 U2	20090310	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRMU8700891 U2	20110322	LSRV	-B11A	DISMISSAL ACC. ART.33 OF IPL - EXAMINATION NOT REQUESTED WITHIN 36 MONTHS OF FILING	
BRMU8700891 U2	20110705	LSRV	-B11Y	DEFINITIVE DISMISSAL ACC. ARTICLE 33 OF IPL - EXTENSION OF TIME LIMIT FOR REQUEST OF EXAMINATION EXPIRED	

Title: Improvements in or relating to fluid fuel burners

Abstract: 833,223. Vapour burners; reflector **stoves**. FLAVEL and CO. Ltd., S. Jan. 21,1957 [Jan. 20, 1956], No. 2065/56. Classes 75(1) and 126 A vapour burner of the type in which vapour ascends in an annular combustion chamber 6 formed by two upstanding perforated walls 1, 2 and in which some of the combustion air is constrained to flow along the outer perforated wall 1 by an outer casing 10 and the remainder of the combustion air flows through the inner perforated wall 2, comprises a radiant element in the form of a perforated cap 23 mounted on or adjacent to the upper end of the inner perforated wall 2 and permitting a flow of air to the zone above the combustion chamber 6, and one or more coils 27 of heat resistant wire mounted on the cap at the top of the combustion chamber 6. The cap 23 is cylindrical and is supplied with air through a tube 16 fitted at one end to a central aperture in a base 3 and at its upper end to a central aperture in a baffle plate 18 fitted to the top of the inner perforated wall 2. Four part circular grooves 26 are formed in the cap 23 in planes at right angles to the axis of the cap and a heat resistant coil 27 is secured in each of the three upper grooves 26 by means of a tie-wire threaded through the coil. A row of perforations is located centrally along the base of each groove 26. The perforated walls 1, 2 are supported on the base 3 and the holes in each wall are arranged in staggered rows. The outer casing 10 is formed in two parts joined together, the lower part having an apertured intumed flange 11 engaging the base 3 and the upper part having an inwardly and upwardly sloping rim 14 terminating a small distance above the upper end of the outer perforated wall 1. The base 3 has an annular wall 7 supplied with fuel and containing a wick 8. Retaining rods 19 having heads 20 and spring clips 21 pass diametrically through the assembled parts. The burner described may be mounted in a **stove**, Fig. 3, comprising an outer casing 29, an upwardly inclined parabolic reflector 53 disposed behind the burner and an inner casing 52 for deflecting convected heat outwardly through a grill 46 disposed on the front of the outer casing 29 and composed of a plurality of wires radiating from a wire loop secured to the base of the outer casing 29. A fuel well 35 connected by a pipe 36 to the burner and supporting a holder 39 for an inverted fuel bottle 38 is disposed on the rear of the outer casing 29; and the bottle 38 and fuel well are covered by a housing 34 detachably secured by a bayonet connection 37 to the outer casing 29 and having a vertical slot through which the level of the fuel in the bottle can be seen. The bottle outlet is closed by spring-operated valve opened automatically by the weight of the bottle. The fuel feed system is the bird bath type. The **stove** has five fixed feet and an adjustable foot 33 disposed centrally at the front.

Classifications:

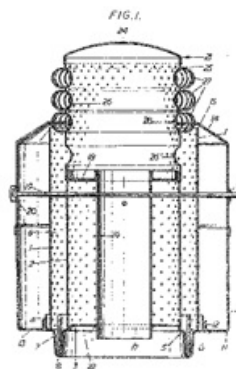
International (IPC 8-9): F23D3/00 F24C5/08 (Advanced/Invention)

International (IPC 1-7): F23D3/02 F24C5/08

CPC: F23D3/00 F23D2700/021 F24C5/08

European: F23D3/00 F24C5/08 R23D700/021

PatBase - GB833223_A



Family:

Publication number	Publication date	Application number	Application date
GB833223 A	19600421	GB19560002065	19560120

Priority:

GB19560002065 19560120

Probable Assignee:

SIDNEY FLAVEL AND CO LTD

Assignee(s): (std):

SIDNEY FLAVEL AND CO LTD

Assignee(s):

SIDNEY FLAVEL AND CO LIMITED

Inventor(s): (std):

PALMER HENRY ALFRED

Legal status (INPADOC)

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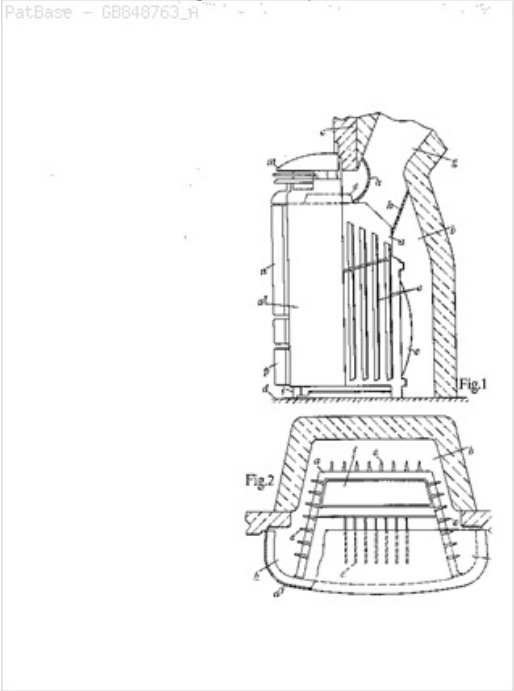
Patent	Date recorded	Event group	Code	Event	Details
GB833223 A	19600421	LSGT	+	granted / extensions (spc, cpc, pte)	
GB833223 A	19760120	PEXP		Calculated Patent Term Expiry	

Title: **Stoves.**

Abstract: 848,763. **Stoves.** RADIATION Ltd. Feb. 4, 1959 [March 13, 1958], No. 8052/58. Class 126. [Also in Group XIII] A solid fuel convector **stove** comprises a construction in which the rear part a of the **stove** is adapted to be received in a normal firegrate recess b in a chimney breast, and in which the front part a¹ of the **stove** is adapted to close the said recess and stand on the hearth d so that an air heating space is formed at the rear of the **stove** in the recess b (see Group XIII). The heated air passes into the room through a louvred or other hood m. At the upper end of the rear part a of the **stove** an outlet f (not shown) is provided for combustion products and a flue passage is formed between this outlet and the chimney g by an assembly of plates h around the edges of which gas tight joints are formed by cement or other sealing compound. Fuel is supplied to the combustion space through doors n which may be provided with transparent windows. Access to the ash space is through a removable cover p which may in addition be adapted for regulation of the combustion air admitted to the fuel through the ash space.

Classifications:

International (IPC 1-7): F24B1/18



Family:

Publication number	Publication date	Application number	Application date
GB848763 A	00000000		00000000

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
GB848763 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: HEATER CONSTRUCTION

Abstract: 911,296. Incinerators. HOSKINSON, G. H. Dec. 4, 1958 [Dec. 5, 1957], No. 39168/58. Class 126. [Also in Group XIII] An air heating **stove** adapted to burn gas, oil or coal and also to be used as an incinerator, comprises a combustion chamber 11, e.g. of stainless steel, above which is mounted an elongated heat-exchanger 32 (see Group XIII), in which air is heated by hot gases and smoke from the combustion chamber, the hot gases and smoke being exhausted from the heat-exchanger through a flue 34 incorporating draught inducing means such as a fan 35. The combustion chamber includes a removable grate (not shown) and a gas or oil burner (not shown) which may be withdrawn through closable openings in the combustion chamber wall when, e.g., coal is to be burned or the apparatus is to be used to burn rubbish or the like charged into the combustion chamber through a hinged door 23. Ashes are removed through a hinged door 19 which incorporates an adjustable draught door 22.

Classifications:

International (ipc 8-9): F22B31/04 F23C1/00 F23G5/00 F23G5/12

F23G5/46 F23M99/00 F24H3/06 F24H3/08 (Advanced/Invention);

F22B31/00 F23C1/00 F23G5/00 F23G5/08 F23G5/46 F23M99/00

F24H3/02 (Core/Invention)

International (ipc 1-7): F23G3/00 F23G3/06 F23G5/00 F24H3/02

CPC: F23M20/00 F23G5/46 F22B31/045 F23C1/00 F23G5/00 F23G5/12

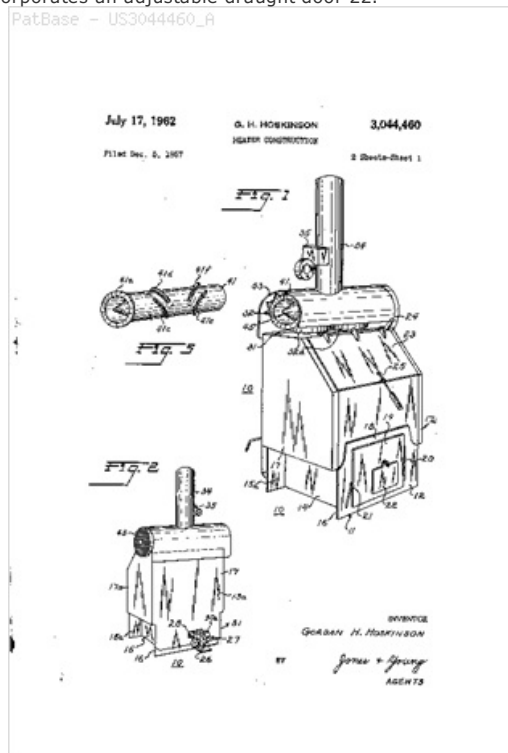
F24H3/06 F24H3/065 F24H3/087 Y02E20/12

European: F22B31/04C F23C1/00 F23G5/00 F23G5/12 F23G5/46

F23M99/00 F24H3/06 F24H3/06C F24H3/08C Y02E20/12

US: 110/235 126/110B

PatBase - US3044460_A



Family:

Publication number	Publication date	Application number	Application date
GB911296 A	19621121	GB19580039168	19581204
US3044460 A	19620717	US19570700809	19571205

Priority:

US19570700809 19571205

Probable Assignee: GORDON HILLIS HOSKINSON

Assignee(s): (std): GORDON HILLIS HOSKINSON ; HOSKINSON GORDON H

Inventor(s): (std): HOSKINSON GORDON H

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB911296 A	19621121	LSGT	+	granted / extensions (spc, cpc, pte)	
GB911296 A	19781204	PEXP		Calculated Patent Term Expiry	
US3044460 A	19620717	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: PROTECTOR FLAME FOR **STOVES**

Abstract: The invention relates to a **stove** (40) with a burner (41) and a device for the exchange of the combustion air and the flue gas. This said device has a simple design in various types (1, 3, 5, 7, 9, 53, 57, 60, 63) and its said function is to protect the flame against extinguishing in unintended cases. Each of these various types of designs (1, 3, 5, 7, 9, 53, 57, 60, 63) can be arranged collectively in a matrix-like shape, for example 2 x 2 (2, 4, 6, 8, 10, 55, 59).

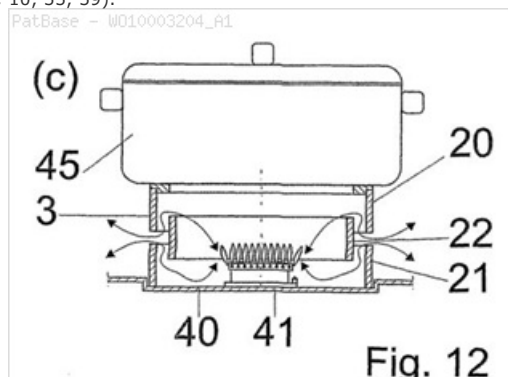
Classifications:

International (IPC 8-9): F23D14/72 F23D14/76 F24C3/08 F24C3/12 (Advanced/Invention);

F23D14/72 F24C3/08 F24C3/12 (Core/Invention)

CPC: F24C3/085 F24C3/126

European: F24C3/08B F24C3/12F

**Family:**

Publication number	Publication date	Application number	Application date
BRPI0803540 A2	20100309	BR2008PI03540	20080707
WO10003204 A1	20100114	WO2009BR00198	20090707

Priority:

BR2008PI03540 20080707

Probable Assignee: MARTINS DA COSTA MARIA TEREZA

Assignee(s): (std): DA COSTA ALBINO JOSE MARTINS ; MARTINS DA COSTA ALBINO JOSE ; MARTINS DA COSTA MARIA TEREZA

Assignee(s): MARTINS DA COSTA MARIA TEREZA MAIA ; ALBINO JOSE MARTINS DA COSTA

Inventor(s): (std): MARTINS DA COSTA ALBINO JOSE ; MARTINS DA COSTA MARIA TEREZA MAIA ; DA COSTA ALBINO JOSE MARTINS ; COSTA MARIA TEREZA MAIA MARTIN

Inventor(s): ALBINO JOSE MARTINS DA COSTA ; MARIA TEREZA MAIA MARTINS DA COSTA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0803540 A2	20100309	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
WO10003204 A1	20100114	LSPB	+	published / reissued	
WO10003204 A1	20110108	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : DE
WO10003204 A1	20110914	LSNE	-122	EP: PCT APPLICATION NON-ENTRY IN EUROPEAN PHASE	REF DOCUMENT NUMBER : 09793724 COUNTRY OF REF DOCUMENT : EP KIND CODE OF REF DOCUMENT : A1 DESIGNATED STATE(S) :

Title: Improvements relating to gas-heated grills

Abstract: 909,005. Grilling-**stoves**. OATLEY TECHNICAL DEVELOPMENTS Ltd. March 29, 1960 [April 9, 1959], No. 11961/59. Class 126. A gas-heated grill, particularly for spit roasting, comprises a burner 6, one or more grill frets 7 on the underside of which the burner flame plays and a backing plate 8 above the fret(s), and, at least adjacent the burner, in contact with or very close to the fret(s), the otherwise imperforate backing plate 8 having one or more elongated combustion products outlets 10 above and spaced from the burner tube 6 and flame holes 11. A sheet metal outer cover 12 retains the fret 7 and backing plate 8 and has outlets 13 through which combustion products are guided by a deflector plate 14 from the outlets 10. In an alternative embodiment (not shown) a central burner heats a radiant on either side, each fret having a backing plate with combustion products opening(s).

Classifications:

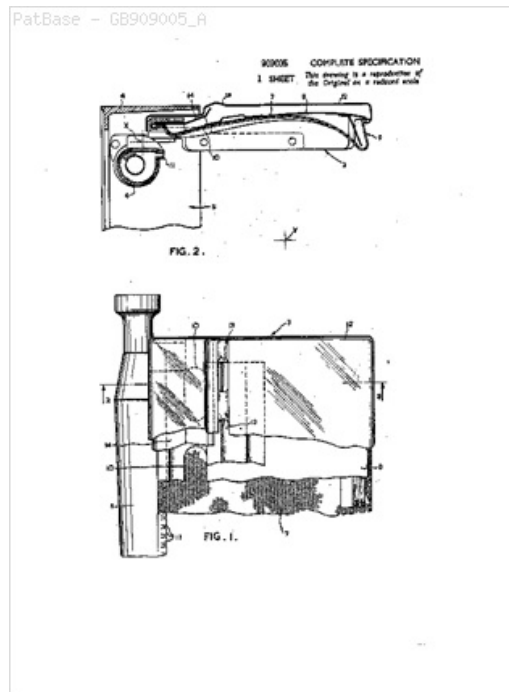
International (IPC 8-9): A47J37/06 (Advanced/Invention);

A47J37/06 (Core/Invention)

International (IPC 1-7): A47J37/06

CPC: A47J37/06

European: A47J37/06



Family:

Publication number	Publication date	Application number	Application date
BE619989 A	19621105	BE19620619989	19620710
GB909005 A	19621024	GB19590011961	19590409

Priority:

GB19590011961 19590409

Probable Assignee: OATLEY TECHNICAL DEV

Assignee(s): (std): OATLEY TECHNICAL DEV ; OATLEY TECHNICAL DEVELOPMENTS

Assignee(s): OATLEY TECHNICAL DEVELOPMENTS LIMITED ; OATLEY TECHNICAL DEVELOPMENTS LTD

Inventor(s): (std): OATLEY ARTHUR FREDERICK

Inventor(s): ARTHUR FREDERICK OATLEY

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE619989 A	19621105	LSPB	+	published / reissued	
GB909005 A	19621024	LSGT	+	granted / extensions (spc, cpc, pte)	
GB909005 A	19790409	PEXP		Calculated Patent Term Expiry	

Title: Electric cookers

Abstract: 843,566. Grilling-**stoves**; electric cookers. REVO ELECTRIC CO. Ltd. Feb. 17, 1959 [Feb. 20, 1958], No. 5524/58. Classes 39(3) and 126. In an electric cooker, the floor, sides and back of a grill chamber located below the hobplate are formed by a dished metal sheet 6, a part 10 surrounds an opening at the front of the chamber and a pair of supporting members 15 extend between and rest at their ends on the part 10 and the back of the chamber, the members having on their presented sides interengageable means, such as stepped dogs 21a at the ends of lugs 21, to prevent their relative angular movement about their respective longitudinal axes, and also parts forming guide tracks 19 for slidably supporting a grill pan, adjustable studs 22, 23 in their upper surfaces serving to support the heating units of the cooker. The upper edges of the sides and back of the grill chamber are outwardly turned to form ledges 6a, 6b carrying adjustable studs 14 which with similar studs 13 carried by lugs 12 on the **portion** 10a, which extends across the top of the front opening of the chamber, support the detachable hob (not shown). Plugs 8 for the heating elements are mounted on the ledges 6a, 6b, pins (not shown) carried by lugs 16 on the members 15 engage in holes in the ledge 6b and adjustable screws 24 similar to screws 22, 23 are carried by the ledges 6a. A lug 18 at the front of each member 15 engages in a recess 10b in the **portion** 10a.

Classifications:

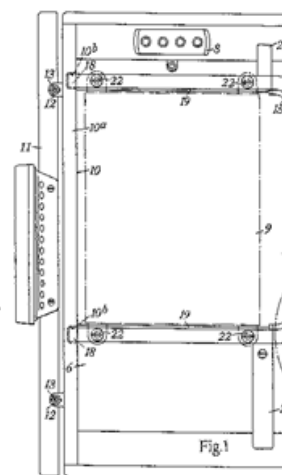
International (IPC 8-9): F24C15/10 F24C15/18 (Advanced/Invention);
F24C15/00 F24C15/10 (Core/Invention)

International (IPC 1-7): F24C15/10 F24C15/18

CPC: F24C15/102 F24C15/18

European: F24C15/10C F24C15/18

PatBase - GB843566_A



Family:

Publication number	Publication date	Application number	Application date
GB843566 A	19600804	GB19580005524	19580220

Priority:

GB19580005524 19580220

Probable Assignee:

REVO ELECTRIC CO LTD

Assignee(s): (std):

REVO ELECTRIC CO LTD

Assignee(s):

REVO ELECTRIC CO LIMITED

Inventor(s): (std):

BATE FRANK ; CARTER RONALD DAVID

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB843566 A	19600804	LSGT	+	granted / extensions (spc, cpc, pte)	
GB843566 A	19780220	PEXP		Calculated Patent Term Expiry	

Title: Dual purpose oven rack

Abstract: 927,999. Spits. MOFFATS Ltd. Sept. 25, 1961, No. 34321/61. Class 28(1). [Also in Group XI] A spit 44 engages a driving socket 41 in the rear wall of an oven, and an oven shelf 18 has an opening of sufficient size to allow food on the spit to rotate, and side parts on which other food may be cooked. The spit 44 is supported by brackets 45, 46 engaging sockets in a drip tray 47 resting on a lower oven shelf. A secondary shelf part, not shown, is arranged to fill the opening in the shelf 18 when the spit is not in use (see Group XI).

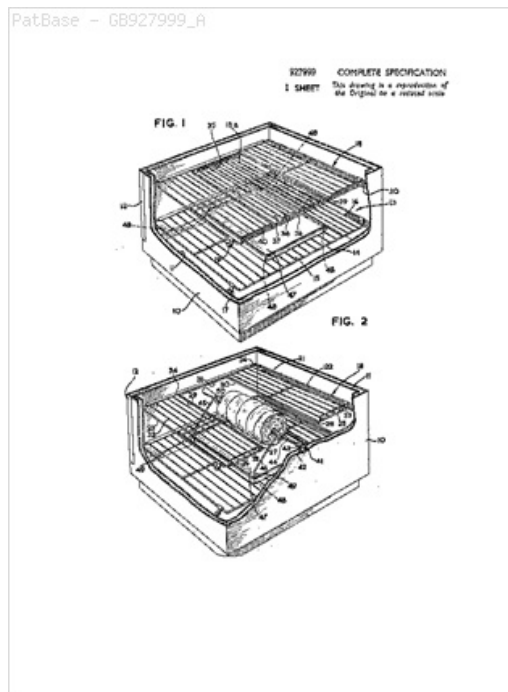
Classifications:

International (IPC 8-9): A47J37/04 F24C15/16 (Advanced/Invention);
A47J37/04 F24C15/16 (Core/Invention)

International (IPC 1-7): F24C15/16

CPC: A47J37/041 F24C15/164

European: A47J37/04A F24C15/16 F24C15/16C



Family:

Publication number	Publication date	Application number	Application date
GB927999 A	19630606	GB19610034321	19610925

Priority:

GB19610034321 19610925

Probable Assignee:

MOFFATS LTD

Assignee(s): (std):

MOFFATS LTD

Assignee(s):

MOFFATS LIMITED

Inventor(s): (std):

WARDEN KENNETH ALFRED

Legal status (INPADOC)

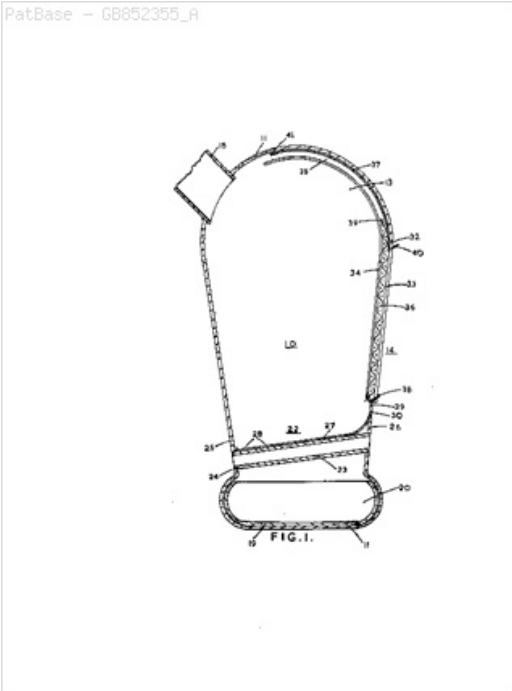
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Patent	Date recorded	Event group	Code	Event	Details
GB927999 A	19630606	LSGT	+	granted / extensions (spc, cpc, pte)	
GB927999 A	19810925	PEXP		Calculated Patent Term Expiry	

Title: Air conditioning.

Abstract: 852,355. Air conditioning. NOLAN, K. W. Jan. 16, 1958 [July 10, 1957], No. 21816/57. Class 137 [Also in Groups XI and XIII] Air from outside a room is drawn through a filter 48 by a fan 46 and directed by a two-way valve 49 to pass through a refrigerator 51, or to be blown over the uninsulated outer casing 11 of a solid-fuel fired, open-fronted heating **stove** (see Group XI).

Classifications:



Family:

Publication number	Publication date	Application number	Application date
GB852355 A	00000000		00000000

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB852355 A	00000000	LSGT	+	granted / extensions (spc, cpc, pte)	

Title: Water heating boilers

Abstract: 928,663. Combined solid and liquid fuel **stoves**. KUNGSPANNAN S. JACOBSSON. Nov. 28, 1960 [April 1, 1960], No. 40831/60. Class 126. [Also in Group XIII] A water heating **stove** for firing with solid and/or liquid fuel comprises a downwardlydirected burner 6 in a combustion chamber 2 from which combustion gases flow to a second combustion chamber 3 for solid fuel, the combustion gases outlet 25 from the second chamber being at the opposite side from the inlet 22 from the chamber 2. The outlet 25 leads to flues 9 and 10. Hollow grate bars 14 are water-cooled. Water heated to approximately 175° F. in the jacket surrounding the chambers 2 and 3 is supplied to space-heating radiators and returned at the bottom 17 of the boiler. For supplying domestic hot water at approximately 130° F. two storage tanks 4 and a tube system are housed within the water jacket.

Classifications:

International (IPC 8-9): F22B31/04 F23C1/02 F24H1/44

F24H1/46 (Advanced/Invention);

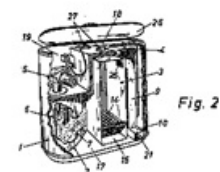
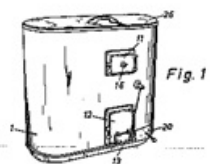
F22B31/00 F23C1/00 F24H1/22 F24H1/46 (Core/Invention)

International (IPC 1-7): F24H1/22

CPC: F22B31/04 F23C1/02 F24H1/44 F24H1/46

European: F22B31/04 F23C1/02 F24H1/44 F24H1/46

PatBase - GB928663_A



Family:

Publication number	Publication date	Application number	Application date
DE1181886 B	19641119	DE1960K040314	19600401
GB928663 A	19630612	GB19600040831	19601128

Priority:

DE1960K040314 19600401

Probable Assignee: GOETEBORGS VERKST SINDUSTRI AB

Assignee(s): (std): GOETEBORGS VERKST SINDUSTRI AB ; KUNGSPANNAN S JAKOBSSON

Assignee(s): GOETEBORGS VERKSTADSINDUSTRI AB

Inventor(s): (std): JAKOBSSON STIG VILHELM

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
DE1181886 B	19641119	LSPB	+	published / reissued	
GB928663 A	19630612	LSGT	+	granted / extensions (spc, cpc, pte)	
GB928663 A	19801128	PEXP		Calculated Patent Term Expiry	

Title: **PORTABLE STOVES** AND THE LIKE APPLIANCES

Abstract: 933,121. **Portable** gas **stoves**. COMPAGNIE GENERALE DES GAZ LIQUEFIES-COGEAL. Nov. 24, 1961 [Dec. 9, 1960], No. 42124/61. Classes 75 (1) and 126. A **portable stove** comprises a stand 1 adapted to receive a container 2 of liquefied gaseous fuel, an internally threaded sleeve 5 supported on the hinged lid 4 of the stand 1 and having a flexible seal-ring 6 engaging the top of the fuel container 2, and a burner 17 screwable into the sleeve 5 and having a tubular cutting member 18 for cutting an area of the fuel container within the seal ring 6. The hinged lid 4 is held on the top of the stand by toggle levers pivoted to the stand and having pivoted clasps engaging hooks on the lid. The cutting member 18 has external splines press-fitted into a complementary **portion** of the burner. The lower end of the cutting member is bevelled and acts as a rotating knife. A further seal ring 21 is supported around the lower end of the burner. The ends of a spring wire disposed in a circumferential groove 24 in the sleeve 5 are engaged in radial holes in the sleeve and prevent complete withdrawal of the burner by engaging the sealing ring 21. The head 30 of the burner has air inlets 31 and is carried by an injector nozzle 29 screwed into the body of the burner. A sheet metal support 27 for a cooking vessel is screwed on to the burner 17. A cover 12 formed as a cooking container has a pair of pivoted opposite handles 13 with inbent ends 15 for engagement in slots 16 near the base of the stand 1. The burner head, vessel support and injector nozzle may be replaced by a pressure reducer valve to form a lamp.

Classifications:

International (IPC 8-9): B43L13/00 F23D99/00

F24C3/14 (Advanced/Invention);

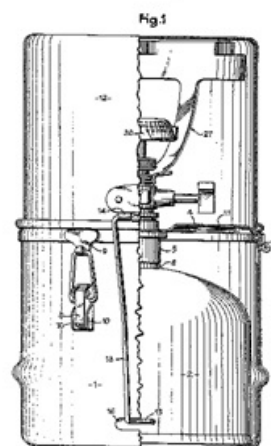
B43L13/00 F23D99/00 F24C3/00 (Core/Invention)

International (IPC 1-7): F23D13/04 F23D21/00 F24C3/14

CPC: F23D91/02 F24C3/14 F23D2206/0057

European: F23D21/00B F24C3/14 R23D206/00G37

PatBase - GB933121_A



Family:

Publication number	Publication date	Application number	Application date
BE610749 A	19620316	BE19610610749	19611124
CH373884 A	19631215	CH19610013733	19611123
ES272758 A1	19620216	ES19610272758	19611207
FR1282148 A	19620119	FR19600846388	19601209
GB933121 A	19630808	GB19610042124	19611124
LU40901 A	19620205		00000000
OA8 A	19660115	OA19640050037	19640324

Priority:

FR19600846388 19601209

Probable Assignee: CIE GENERALE DES GAZ LIQUEFIES

Assignee(s): (std): DIFFUSION D EQUIPEMENT ET DE M ; GAZ LIQUEFIES COGEAL COMP GEN ; CIE GENERALE DES GAZ LIQUEFIES ; CIE GENERALE DES GAZ LIQUEFIS

Assignee(s): COMPAGNIE GENERALE DES GAZ LIQUEFIES ; COMPAGNIE GENERALE DES GAZ LIQUEFIES COGEAL ; COMPAGNIE GENERALE DES GAZ LIQUEFIS COGEAL ; GENERALE DES GAZ LIQUEFIES COGEAL COMP ; GENERALE DES GAZ LIQUEFIES COMP ; STE INDUSTRIELLE POUR LA DIFFUSION D EQUIPEMENT ET ; GENERALE DES GAZ LIQUEFIS COGEAL COMP ; STE INDUSTRIELLE POUR LA DIFFUSION D EQUIPEMENT ET DE MATERIEL S I D E M A T ; STE INDUSTRIELLE POUR LA DIFFUSION D EQUIPEMENT ET DE MATERIEL SIDEMAT

Inventor(s): (std): LE CORRE JACQUES ; DE CLOCK GUY

Inventor(s): CORRE JACQUES LE ; CLOCK GUY DE

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BE610749 A	19620316	LSPB	+	published / reissued	

CH373884 A	19631215	LSGT	+	granted / extensions (spc, cpc, pte)
CH373884 A	19811123	PEXP		Calculated Patent Term Expiry
ES272758 A1	19620216	LSGT	+	granted / extensions (spc, cpc, pte)
FR1282148 A	19620119	LSGT	+	granted / extensions (spc, cpc, pte)
FR1282148 A	19801209	PEXP		Calculated Patent Term Expiry
GB933121 A	19630808	LSGT	+	granted / extensions (spc, cpc, pte)
GB933121 A	19811124	PEXP		Calculated Patent Term Expiry
LU40901 A	19620205	LSGT	+	granted / extensions (spc, cpc, pte)
OA8 A	19660115	LSGT	+	granted / extensions (spc, cpc, pte)
OA8 A	19840324	PEXP		Calculated Patent Term Expiry

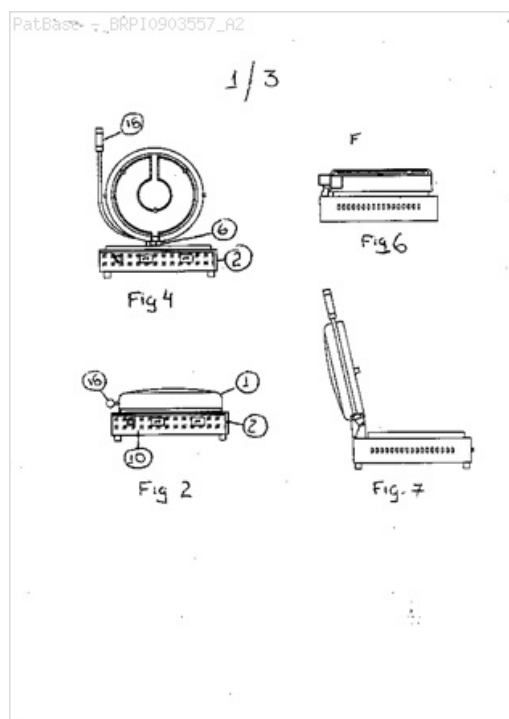
Title: forno para assar pizza oven to bake pizza (Machine translation)

Abstract: Source: BRPI0903557A [PT] FORNO PARA ASSAR PIZZA. De acordo com a presente invencao o processo de assar alimentos pizza e executado de forma localizada e precisa atraves de irradiacao de calor gerador por resistencias eletricas em partes especificas nos alimentos redondos e pizzas. Esta patente e dispositivo pode assar a parte de cima e de baixo da pizza toda por igual, assar apenas o meio ou apenas as bordas. Tambem e possivel distanciar a tampa que possui as resistencias superiores para mais longe ou perto da pizza, causando nela resultados diferentes no processo, ou seja, condicoes desejados pelo usuario. Esse distanciamento influi como os vapores e temperaturas atuam sobre as pizzas. O designer exclusivo cria um novo conceito de fornos. Por ser compacto e juntar a camara redonda e chata (baixa) com a base retangular, com um pedra para assar pizza circular, garante a mais profissionalismo e inovacao.

Machine translation: OVEN TO BAKE PIZZA. In accordance with the present invention the process to bake foods executed pizza and of located form and needs through irradiation of generating heat for electric resistencias in parts specifies in round foods and pizzas. This patent and device can bake low from above part and of the pizza all for equal, bake only the way or only the edges. And also possible distanciar the cover that posses the superior resistencias for more far or close to the pizza, causing in it resulted different in the process, that is, conditions desired for the user. This distanciamento influences as vapors and temperatures atuam on pizzas. Exclusive designer creates a new concept of was. For being compact and to join the round chamber and boat (low) with the rectangular base, it guarantees the professionalism and innovation more.

Classifications:

International (IPC 8-9): A21B1/00 A21B5/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
BRPI0903557 A2	20110215	BR2009PI03557	20090512

Priority:

BR2009PI03557 20090512

Probable Assignee: CAVALCANTI ANTON CASTELO BRANCO
Assignee(s): (std): CAVALCANTI ANTON CASTELO BRANCO
Assignee(s): ANTON CASTELO BRANCO CAVALCANTI
Inventor(s): (std): CAVALCANTI ANTON CASTELO BRANCO
Inventor(s): ANTON CASTELO BRANCO CAVALCANTI

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
BRPI0903557 A2	20110215	LSPB	B03A	PUBLICATION OF AN APPLICATION: PUBLICATION OF A PATENT APPLICATION OR OF A CERTIFICATE OF ADDITION OF INVENTION	
BRPI0903557 A2	20120522	LSFE	-B08F	APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW	TEXT : REFERENTE A 3A ANUIDADE.

BRPI0903557 A2	20121016	LSLE	-B08K	LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)	TEXT : REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2159 DE 22/05/2012.
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Title: HIGH OUTPUT HEATING DEVICE

Abstract: The invention concerns a multiple-fuel heating apparatus wherein: the combustion chamber (1) forms the main support structure of the heating apparatus and is made of sheet metal bent and welded (2) so as to be completely sealed, optionally except at the joint with said door; the elements (20) forming the outer cover are fixed to the combustion chamber, the fixing elements not passing through the chamber and said elements not being necessarily fixed together.

Classifications:

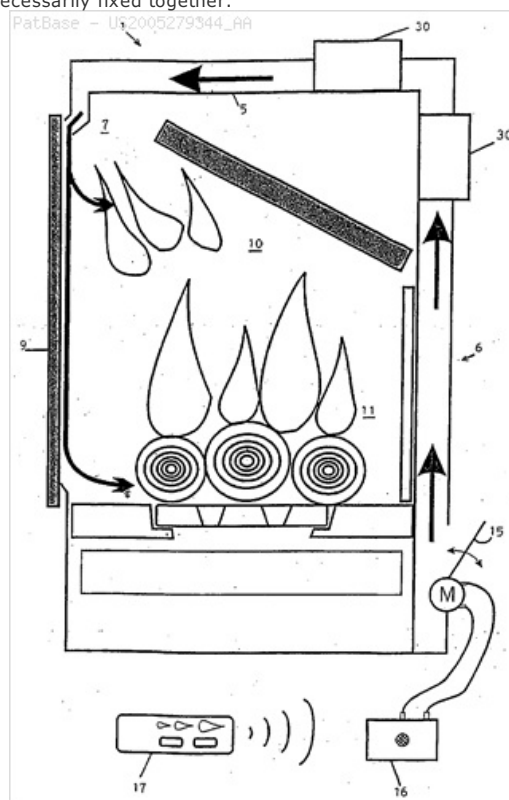
International (IPC 8-9): F24B1/02 F24B13/02 (Advanced/Invention);
F24B1/00 F24B13/00 (Core/Invention)

International (IPC 1-7): F24B F24B1/02 F24B1/187 F24B13/02 F24C1/14
F24C15/04

CPC: F24B1/02 F24B5/025 F24B13/02 F24B1/028

European: F24B1/02G F24B13/02

US: 126/193 126/200 126/502 126/77



Family:

Publication number	Publication date	Application number	Application date
AT360785 E	20070515	AT20030776683T	20031114
AU2003286009 AA	20040615	AU20030286009	20031114
CA2498289 AA	20050309	CA20032498289	20031114
CA2498289 C	20120410	CA20032498289	20031114
DE60313486 D1	20070606	DE20036013486T	20031114
DE60313486 D1	20070606	DE20036013486	20031114
DE60313486 T2	20070816	DE20036013486T	20031114
EP1426691 A1	20040609	EP20020447226	20021120
EP1563228 A1	20050817	EP20030776683	20031114
EP1563228 B1	20070425	EP20030776683	20031114
ES2285212 T3	20071116	ES20030776683T	20031114
NO20053001 A	20050818	NO20050003001	20050617
NO20053001 A0	20050617	NO20050003001	20050617
NO20053001 L	20050818	NO20050003001	20050617
NO325118 B1	20080204	NO20050003001	20050617
US2005279344 AA	20051222	US20050133575	20050519
WO04046615 A1	20040603	WO2003BE00199	20031114

Priority:

EP20020447226 20021120 US20030445786P 20030206 EP20030776683 20031114
WO2003BE00199 20031114

Probable Assignee: THERMIC INVESTMENTS SA

Assignee(s): (std): CYRIS RUDY ; THERMIC INVEST S A ; THERMIC INVEST SA

Assignee(s): THERMIC INVESTMENTS S A ; THERMIC INVESTMENTS SA ; ECOMASA SARL ; ENERG TRADE INVEST LUX SARL

Inventor(s): (std): CYRIS RUDY

Inventor(s): RUDY CYRIS

Agent(s): GOWLING LAFLEUR HENDERSON LLP; MERCHANT AND GOULD PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM
DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI
LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD
SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Legal status (INPADOC)
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Patent	Date recorded	Event group	Code	Event	Details
AT360785 E	20070515	LSGT	+	granted / extensions (spc, cpc, pte)	
AT360785 E	20071015	LSLE	-RER	CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES	
AT360785 E	20231114	PEXP		Calculated Patent Term Expiry	
AU2003286009 AA	20040615	LSPB	+	published / reissued	
AU2003286009 AA	20050804	LSLE	-MK6	APPLICATION LAPSED SECTION 142(2) (F)/REG. 8.3(3) - PCT APPLIC. NOT ENTERING NATIONAL PHASE	
CA2498289 AA	20050309	LSPB	+	published / reissued	
CA2498289 AA	20081014	LSSES	+EEER	EXAMINATION REQUEST	
CA2498289 C	20120410	LSGT	+	granted / extensions (spc, cpc, pte)	
CA2498289 C	20151228	LSLE	-MKLA	LAPSED	EFFECTIVE DATE : 20151116
CA2498289 C	20231114	PEXP		Calculated Patent Term Expiry	
DE60313486 D1	20080515	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60313486 D1	20080515	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60313486 D1	20110811	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ECOMASA SARL, LU REF DOCUMENT NUMBER : 1563228 COUNTRY OF REF DOCUMENT : EP OLDPARTY : FORMER OWNER: THERMIC INVESTMENTS S.A., LUXEMBURG/LUXEMBOURG, LU EFFECTIVE DATE : 20110620
DE60313486 D1	20110811	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ECOMASA SARL, LU REF DOCUMENT NUMBER : 1563228 COUNTRY OF REF DOCUMENT : EP OLDPARTY : FORMER OWNER: THERMIC INVESTMENTS S.A., LUXEMBURG/LUXEMBOURG, LU EFFECTIVE DATE : 20110620
DE60313486 D1	20130717	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ENERG TRADE INVEST LUX S.A.R.L., LUXEMBOURG, LU OLDPARTY : ECOMASA SARL, LUXEMBOURG, LU
DE60313486 D1	20130717	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ENERG TRADE INVEST LUX S.A.R.L., LUXEMBOURG, LU OLDPARTY : ECOMASA SARL, LUXEMBOURG, LU
DE60313486 T2	20070816	LSGT	+	granted / extensions (spc, cpc, pte)	
DE60313486 T2	20080515	LSGT	+8364	NO OPPOSITION DURING TERM OF OPPOSITION	
DE60313486 T2	20110811	LSAS	R081	CHANGE OF APPLICANT/PATENTEE	PARTYTYPE : OWNER OWNER : ECOMASA SARL, LU REF DOCUMENT NUMBER : 1563228 COUNTRY OF REF DOCUMENT : EP OLDPARTY : FORMER OWNER: THERMIC INVESTMENTS S.A., LUXEMBURG/LUXEMBOURG, LU EFFECTIVE DATE : 20110620

DE60313486 T2	20231114	PEXP		Calculated Patent Term Expiry	
EP1426691 A1	20040609	LSPB	+	published / reissued	
EP1426691 A1	20050302	LSFE	+AKX	DESIGNATION FEES PAID	
EP1426691 A1	20051005	LSDW	-18D	APPLICATION DEEMED TO BE WITHDRAWN	EFFECTIVE DATE : 20041210
EP1563228 A1	20050817	LSPB	+	published / reissued	
EP1563228 A1	20050817	LSSES	+17P	REQUEST FOR EXAMINATION FILED	EFFECTIVE DATE : 20050309
EP1563228 A1	20160129	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20151023 YEAR OF FEE PAYMENT : 13
EP1563228 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20151106 YEAR OF FEE PAYMENT : 13
EP1563228 A1	20160229	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20151022 YEAR OF FEE PAYMENT : 13
EP1563228 B1	20070425	LSGT	+	granted / extensions (spc, cpc, pte)	
EP1563228 B1	20070425	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FI NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070425
EP1563228 B1	20070425	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : GB REF LEGAL EVENT CODE : FG4D TEXT : NOT ENGLISH
EP1563228 B1	20070530	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : IE REF LEGAL EVENT CODE : FG4D TEXT : LANGUAGE OF EP DOCUMENT: FRENCH
EP1563228 B1	20070531	LSNP	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : EP
EP1563228 B1	20070725	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SE NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070725
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EP1563228 B1	20071116	LSGT	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : ES REF LEGAL EVENT CODE : FG2A REF DOCUMENT NUMBER : 2285212 COUNTRY OF REF DOCUMENT : ES KIND CODE OF REF DOCUMENT : T3 DESIGNATED STATE(S) :
EP1563228 B1	20071124	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : AT NOTIFICATION OF LAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080131	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : DK

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BG NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070725
EP1563228 B1	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CZ NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080131	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080229	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : SK NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080402	LSGT	+26N	NO OPPOSITION FILED	EFFECTIVE DATE : 20080128
EP1563228 B1	20080430	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GR NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070726
EP1563228 B1	20080530	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : RO NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20080630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : MC NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20071130
EP1563228 B1	20090130	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : EE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20090731	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CY NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20090930	LSLE	-PG25	LAPSED IN A	COUNTRY OF REF DOCUMENT : TR

				CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20070425
EP1563228 B1	20090930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : HU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME- LIMIT LAPSED DATE : 20071026
EP1563228 B1	20110513	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : ECOMASA SARL REF LEGAL EVENT CODE : PUE OLDPARTY : THERMIC INVESTMENTS S.A.#RUE DU FORT RHEINSHEIM 3#2419 LUXEMBOURG (LU) -TRANSFER TO- ECOMASA SARL#RUE DU FORT RHEINSHEIM 3#2419 LUXEMBOURG (LU)
EP1563228 B1	20110713	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : SD EFFECTIVE DATE : 20110628
EP1563228 B1	20110811	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ECOMASA SARL, LU REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60313486 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: THERMIC INVESTMENTS S.A., LUXEMBURG/LUXEMBOURG, LU EFFECTIVE DATE : 20110620
EP1563228 B1	20110811	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ENERG TRADE INVEST LUX S.A.R.L., LU REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60313486 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: THERMIC INVESTMENTS S.A., LUXEMBURG/LUXEMBOURG, LU EFFECTIVE DATE : 20110620
EP1563228 B1	20110817	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : ES OWNER : ECOMASA SARL REF LEGAL EVENT CODE : PC2A EFFECTIVE DATE : 20110804
EP1563228 B1	20111111	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ECOMASA, LU REF LEGAL EVENT CODE : TP EFFECTIVE DATE : 20111012
EP1563228 B1	20130802	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : FR OWNER : ENERG TRADE INVEST LUX S.A.R.L., LU REF LEGAL EVENT CODE : CD EFFECTIVE DATE : 20130704
EP1563228 B1	20130814	LSAS	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : NL REF LEGAL EVENT CODE : TD EFFECTIVE DATE : 20130806
EP1563228 B1	20130905	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : DE OWNER : ENERG TRADE INVEST LUX S.A.R.L., LU REF LEGAL EVENT CODE : R081 REF DOCUMENT NUMBER : 60313486 COUNTRY OF REF DOCUMENT : DE OLDPARTY : FORMER OWNER: ECOMASA SARL, LUXEMBOURG, LU EFFECTIVE DATE : 20130717

EP1563228 B1	20140530	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : CH OWNER : ENERG TRADE INVEST LUX S.A.R.L., LU REF LEGAL EVENT CODE : PFA OLDPARTY : FORMER OWNER: ECOMASA SARL, LU
EP1563228 B1	20140609	LSAS	REG	REFERENCE TO A NATIONAL CODE	PARTYTYPE : OWNER REF COUNTRY CODE : ES OWNER : ENERG TRADE INVEST LUX SARL REF LEGAL EVENT CODE : PC2A EFFECTIVE DATE : 20140603
EP1563228 B1	20141128	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU PAYMENT DATE : 20141024 YEAR OF FEE PAYMENT : 12
EP1563228 B1	20150130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : DE PAYMENT DATE : 20141023 YEAR OF FEE PAYMENT : 12
EP1563228 B1	20150130	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH PAYMENT DATE : 20141024 YEAR OF FEE PAYMENT : 12
EP1563228 B1	20150227	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL PAYMENT DATE : 20141024 YEAR OF FEE PAYMENT : 12
EP1563228 B1	20151023	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 13
EP1563228 B1	20160601	LSDW	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : DE REF LEGAL EVENT CODE : R119 REF DOCUMENT NUMBER : 60313486 COUNTRY OF REF DOCUMENT : DE
EP1563228 B1	20160630	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LU NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151114
EP1563228 B1	20160630	LSLE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : CH REF LEGAL EVENT CODE : PL
EP1563228 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : CH NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151130
EP1563228 B1	20160729	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : LI NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151130
EP1563228 B1	20160930	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : NL NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20151201
EP1563228 B1	20161024	LSFE	REG	REFERENCE TO A NATIONAL CODE	COUNTRY OF REF DOCUMENT : FR REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 14
EP1563228 B1	20161031	LSLE	-PG25	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM	COUNTRY OF REF DOCUMENT : DE NOTIFICATIONOFLAPSE : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES LAPSED DATE : 20160601

				NATIONAL OFFICE TO EPO]	
EP1563228 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20161024 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20161027 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20170131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20161024 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20161024 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20161024 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20170228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20161025 YEAR OF FEE PAYMENT : 14
EP1563228 B1	20171020	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20171020 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20171020 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20171204 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20171020 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20171020 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20180228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20171020 YEAR OF FEE PAYMENT : 15
EP1563228 B1	20181024	LSFE	REG	REFERENCE TO A NATIONAL CODE	REF COUNTRY CODE : FR REF LEGAL EVENT CODE : PLFP YEAR OF FEE PAYMENT : 16
EP1563228 B1	20190131	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IE PAYMENT DATE : 20181024 YEAR OF FEE PAYMENT : 16
EP1563228 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : IT PAYMENT DATE : 20181023 YEAR OF FEE PAYMENT : 16
EP1563228 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : FR PAYMENT DATE : 20181024 YEAR OF FEE PAYMENT : 16

EP1563228 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : BE PAYMENT DATE : 20181025 YEAR OF FEE PAYMENT : 16
EP1563228 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : GB PAYMENT DATE : 20181024 YEAR OF FEE PAYMENT : 16
EP1563228 B1	20190228	LSFE	+PGFP	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO]	COUNTRY OF REF DOCUMENT : ES PAYMENT DATE : 20181203 YEAR OF FEE PAYMENT : 16
EP1563228 B1	20231114	PEXP		Calculated Patent Term Expiry	
ES2285212 T3	20071116	LSGT	+	granted / extensions (spc, cpc, pte)	
ES2285212 T3	20231114	PEXP		Calculated Patent Term Expiry	
NO20053001 A	20050818	LSPB	+	published / reissued	
NO325118 B1	20080204	LSGT	+	granted / extensions (spc, cpc, pte)	
NO325118 B1	20130610	LSAS	CHAD	CHANGE OF THE OWNER'S NAME OR ADDRESS (PAR. 44 PATENT LAW, PAR. PATENTFORSKRIFTEN)	PARTYTYPE : OWNER OWNER : ENERG TRADE INVEST LUX SARL, LU
NO325118 B1	20150622	LSLE	-MM1K	LAPSED BY NOT PAYING THE ANNUAL FEES	
NO325118 B1	20250617	PEXP		Calculated Patent Term Expiry	
US2005279344 AA	20051222	LSPB	+	published / reissued	
US2005279344 AA	20050519	LSAS	AS	ASSIGNMENT	PARTYTYPE : OWNER OWNER : THERMIC INVESTMENTS S.A., LUXEMBOURG OLDPARTY : ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR:CYRIS, RUDY; REEL/FRAME:016589/0024 EFFECTIVE DATE : 20050302
US2005279344 AA	20111121	LSWD	-ABD3	Abandoned -- Failure to Respond to an Office Action	
US2005279344 AA	20111121	LSWD	-STCB	INFORMATION ON STATUS: APPLICATION DISCONTINUATION	TEXT : ABANDONED -- FAILURE TO RESPOND TO AN OFFICE ACTION
WO04046615 A1	20040603	LSPB	+	published / reissued	
WO04046615 A1	20050309	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2498289 COUNTRY OF REF DOCUMENT : CA
WO04046615 A1	20050309	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 2003776683 COUNTRY OF REF DOCUMENT : EP
WO04046615 A1	20050519	LSNP	+WWE	WIPO INFORMATION: ENTRY INTO NATIONAL PHASE	REF DOCUMENT NUMBER : 11133575 COUNTRY OF REF DOCUMENT : US
WO04046615 A1	20050817	LSPB	+WWP	WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003776683 COUNTRY OF REF DOCUMENT : EP
WO04046615 A1	20061019	LSNE	NENP	NON-ENTRY INTO THE NATIONAL PHASE IN:	REF COUNTRY CODE : JP
WO04046615 A1	20061019	LSWD	-WWW	WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE	TEXT : JP
WO04046615 A1	20070425	LSGT	+WWG	WIPO INFORMATION: GRANT IN NATIONAL OFFICE	REF DOCUMENT NUMBER : 2003776683 COUNTRY OF REF DOCUMENT : EP

Title: Improvements relating to devices for cooking or grilling food

Abstract: 840,511. Gas burners; **portable** grilling **stoves**. BERNZ CO. Inc., O. May 23, 1957 [July 2, 1956], No. 16412/57. Classes 75(1) and 126. A gas burner comprises a perforated flameholder block 4 mounted in the top of a horizontal mixing chamber supplied with a gas/air mixture by a tube 6 and provided with a drain hole 13 for draining off liquid and greases which may drop from food supported above the flame-holder block 4, the drain hole being so positioned relative to the inlet for the gas/air mixture that a slight negative pressure exists at the drain hole. The drain hole is located at the lowest point of the inclined bottom 2 of the mixing chamber adjacent the inlet thereto of the mixture tube 6; the latter projects above the bottom 2. The block 4 is made of ceramic material and the holes therein are closely spaced and extend vertically. A baffle plate 15 extends horizontally across the mixing chamber and has apertures 18 near its edge. The air supply to the tube 6 is adjusted by a control sleeve 12. Gas is supplied by a pipe 11; alternatively the pipe 11 supplies a liquid fuel which is forced through an orifice at the end of the pipe 11. Two burners as described are mounted on brackets 22 extending inwardly from a frame 21 having further brackets 23 for supporting a wire grid 24 at selected height above the burners. A throw-away cylinder of L.P. gas is mounted in a wire cradle on either side of the frame. Specification 821,532 is referred to.

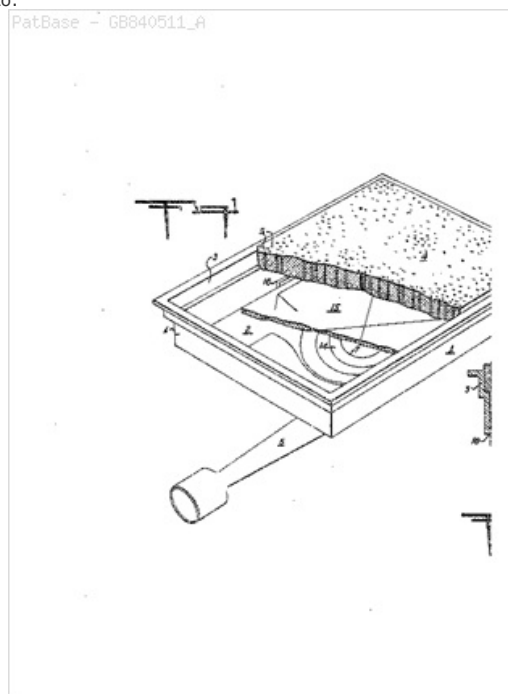
Classifications:

International (IPC 8-9): F23C99/00 (Advanced/Invention)

International (IPC 1-7): F23D13/14

CPC: F23C99/00 F23C2700/043

European: F23C11/00 F23C99/00 R23C700/04A



Family:

Publication number	Publication date	Application number	Application date
GB840511 A	19600706	GB19570016412	19570523

Probable Assignee: OTTO BERNZ COMPANY INC
Assignee(s): (std): OTTO BERNZ COMPANY INC
Assignee(s): OTTO BERNZ CO INC

Legal status (INPADOC)

[View legal status timeline](#)

Patent	Date recorded	Event group	Code	Event	Details
GB840511 A	19600706	LSGT	+	granted / extensions (spc, cpc, pte)	
GB840511 A	19770523	PEXP		Calculated Patent Term Expiry	

Title: Cooking appliance burning a gaseous fuel

Abstract: 840,705. **Portable stoves.** BAHCO A. B. Dec. 1, 1958 [Dec. 5, 1957], No. 38740/58. Class 126. A **portable** cooker burning gaseous fuel comprises a casing 1, 2 adapted to house a gas container 3. a support 5 for a burner 8 and stand 9 pivotally attached, by means of a rod 6, to an extension of the casing 2, and an essentially rigid gas conduit 21 connecting the burner 8 with the container 3(a) part 22 of the conduit extending spirally or helically around the pivot rod 6 and preferably being of flattened cross-section to facilitate bending when the support 5 is pivoted: The gas supply is regulated by a valve assembly 16. The burner support 5 is retained in its upright position by a catch 10, 11 actuated by a push button 12 and the part 22 of the gas conduit may serve as a helical spring to swing out the support 5 when the catch 10, 11 is released.

Classifications:

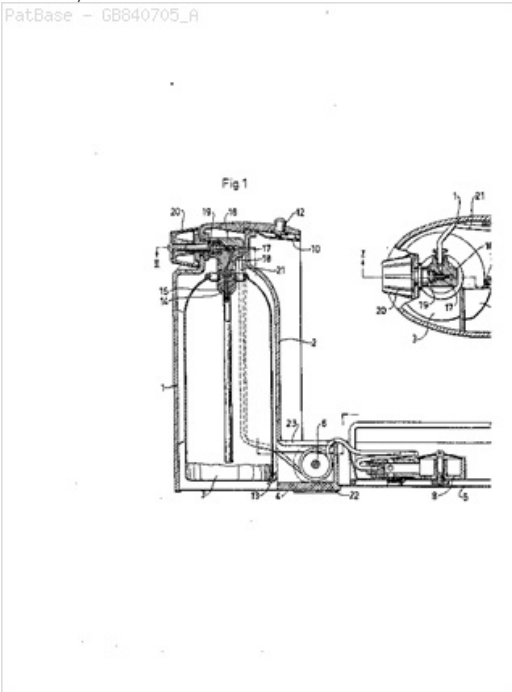
International (IPC 8-9): F24C3/14 (Advanced/Invention);

F24C3/00 (Core/Invention)

International (IPC 1-7): F24C3/14

CPC: F24C3/14

European: F24C3/14



Family:

Publication number	Publication date	Application number	Application date
GB840705 A	19600706	GB19580038740	19581201

Priority:

19571205

Probable Assignee:

BAHCO AB

Assignee(s): (std):

BAHCO AB

Assignee(s):

AKTIEBOLAGET BAHCO

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB840705 A	19600706	LSGT	+	granted / extensions (spc, cpc, pte)	
GB840705 A	19781201	PEXP		Calculated Patent Term Expiry	

Title: Improvements relating to operating members for control devices of cooking **stoves**

Abstract: 908,257. Cooking-**stoves**. SIMPLEX ELECTRIC CO. Ltd. March 25, 1959 [March 25, 1958], No. 9475/58. Class 126. [Also in Group XXXVII] In a cooking-**stove** 15 the or each control device 18 is operated by a control member 14 mounted in front of a panel 13 for movement in a path which is a constant or substantially constant distance from the panel and connected to an input member 22 of the control device through transmission means including a pulley, sprocket or like rotary element 24 and a cable 26. The knob 14 is rigidly connected to the pulley 24 by a lever 16 pivotable about a spindle 17 which may be common to several control devices. In an alternative embodiment, Fig. 2, the knob 14 is secured to a slide 32 movable in a slot 11 and having a slot 34 in which engages a pin on the lever 16. In a further embodiment (not shown) the slide is secured to a rack located behind the panel which meshes with a pinion rigid with the pulley wheel 24. In each embodiment there is a second pulley 25 rigid with the member 22. The control devices may be electrical or gas.

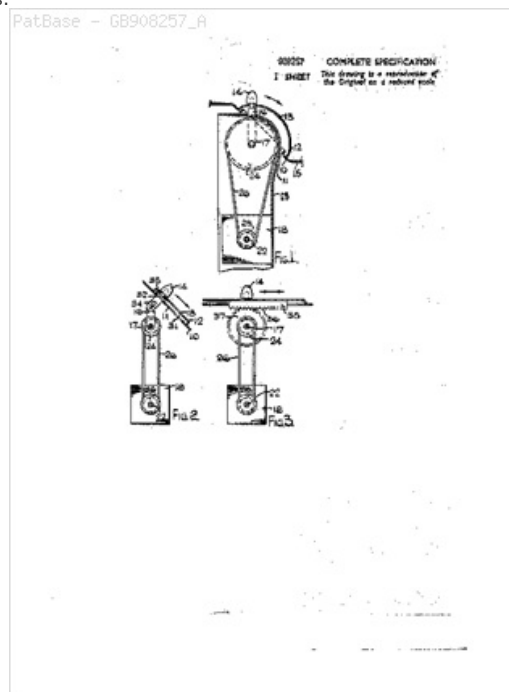
Classifications:

International (IPC 8-9): F24C3/12 (Advanced/Invention);
F24C3/12 (Core/Invention)

International (IPC 1-7): F24C3/12

CPC: F24C3/124

European: F24C3/12B



Family:

Publication number	Publication date	Application number	Application date
GB908257 A	19621017	GB19580009475	19580325

Priority:

GB19580009475 19580325

Probable Assignee: SIMPLEX ELECTRIC CO LTD
Assignee(s): (std): SIMPLEX ELECTRIC CO LTD
Assignee(s): SIMPLEX ELECTRIC COMPANY LIMITED
Inventor(s): (std): HICKS ANTHONY MICHAEL

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB908257 A	19621017	LSGT	+	granted / extensions (spc, cpc, pte)	
GB908257 A	19780325	PEXP		Calculated Patent Term Expiry	

Title: Improvements in or relating to oil burning heating appliances

Abstract: 890,922. Heating and cooking **stoves**. ALADDIN INDUSTRIES Ltd. Sept. 19, 1960 [Sept. 30, 1959], No. 33141/59. Class 126 An oil burning **stove** comprises a fuel reservoir, a casing mounted on the reservoir, oil burners and chimneys mounted on the reservoir within the casing, a hot plate comprising a perforated casting mounted within the top of the casing and a perforated cover which may be freely mounted above the hot plate when the **stove** is being used as a space heater. As shown, Fig. 2, in an oil **stove** of oval transverse section, a hot plate 6 supported on the casing 1 has an aperture 10 overlying each burner 3 and partially surrounded by flanges 30 and further apertures (not shown) along each longer side. A detachable perforated cover 12 has a deflector 17 above each aperture and a central brace 16. A baffle 18 extends between the burners and is integral with a reflector 19. Secondary combustion air enters the **stove** between the reservoir 2 and the casing 1. Guards 21 and 25 protect the burners and reservoir respectively.

Classifications:

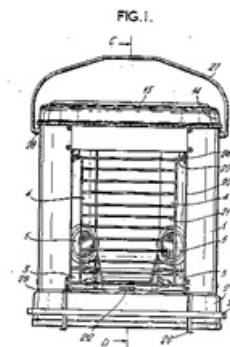
International (IPC 8-9): F24C5/00 (Advanced/Invention);
F24C5/00 (Core/Invention)

International (IPC 1-7): F24C5/00

CPC: F24C5/00

European: F24C5/00

PatBase - GB890922_A



Family:

Publication number	Publication date	Application number	Application date
GB890922 A	19620307	GB19590033141	19590930

Priority:

GB19590033141 19590930

Probable Assignee:

ALADDIN IND LTD

Assignee(s): (std):

ALADDIN IND LTD

Assignee(s):

ALADDIN INDUSTRIES LIMITED

Inventor(s): (std):

IMBER JACK

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
GB890922 A	19620307	LSGT	+	granted / extensions (spc, cpc, pte)	
GB890922 A	19790930	PEXP		Calculated Patent Term Expiry	

Title: OUTDOOR HEATING **STOVE**

Abstract: (Claim 1) 1, An outdoor heating **stove** for liquid fuel comprising: a cylindrical fuel drum having an upper opening; a plurality of resilient supporting arms mounted on said drum and extending upwardly from the upper opening thereof; a downwardly, concave cover plate having corresponding apertures therethrough carried by said arms, said arms passing through the apertures in said cover plate, at least one of said supporting arms including abutment means above the upper surface of said cover plate to limit the upward movement thereof, said cover plate being movable to an uppermost position substantially parallel to and at a distance above said drum opening sufficient to insure the combustion of the liquid and vaporized fuel to occur near the upper edge of said fuel drum, and a lowermost position adjacent the upper opening of said drum for extinguishing the flames to prevent contamination of the fuel carried by said drum.

Classifications:

International (IPC 8-9): A01G13/06 F24C5/02

F24C5/20 (Advanced/Invention);

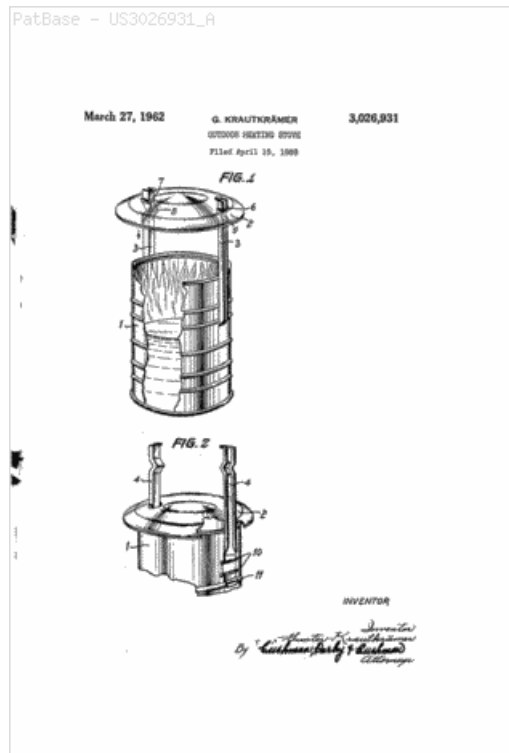
A01G13/06 F24C5/00 (Core/Invention)

International (IPC 1-7): A01G13/06 F24C5/02

CPC: A01G13/06 F24C5/02 F24C5/20

European: A01G13/06 F24C5/02 F24C5/20

US: 431/146 431/331



Family:

Publication number	Publication date	Application number	Application date
AT213134 B	19610125	AT19590002694	19590409
BE577802 A	19590817	BE19590577802	19590416
CH368656 A	19630415	CH19590071992	19590413
DE1062055 B	19590723	DE1958K036010	19581018
DE1122758 B	19620125	DE1961K042814	19610128
FR1220615 A	19600525	FR19590792361	19590417
FR81028 E	19630719	FR19620886142	19620127
GB851825 A	19601019	GB19590013091	19590416
US3026931 A	19620327	US19590806563	19590415

Priority:

DE1958K034728 19580426 DE1958K036010 19581018 DE1961K042814 19610128

Probable Assignee: ADAM KRAUTKRAMER

Assignee(s): (std): ADAM KRAUTKRAEMER ; ADAM KRAUTKRAMER ; KRAUTKRAEMER ADAM

Inventor(s): (std): KRAUTKRAMER GUNTER ; KRAUTKRAEMER ADAM ; GUNTER KRAUTKRAMER ; KRAUTKRAMER ADAM ; KRAUTKRAEMER GUENTER ; GUENTER KRAUTKRAEMER

Inventor(s): ADAM KRAUTKRAEMER

Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
AT213134 B	19610125	LSGT	+	granted / extensions (spc, cpc, pte)	
AT213134 B	19790409	PEXP		Calculated Patent Term Expiry	
BE577802 A	19590817	LSPB	+	published / reissued	
CH368656 A	19630415	LSGT	+	granted / extensions (spc, cpc, pte)	

CH368656 A	19790413	PEXP		Calculated Patent Term Expiry
DE1062055 B	19590723	LSPB	+	published / reissued
DE1122758 B	19620125	LSPB	+	published / reissued
FR1220615 A	19600525	LSGT	+	granted / extensions (spc, cpc, pte)
FR1220615 A	19790417	PEXP		Calculated Patent Term Expiry
GB851825 A	19601019	LSGT	+	granted / extensions (spc, cpc, pte)
GB851825 A	19790416	PEXP		Calculated Patent Term Expiry
US3026931 A	19620327	LSGT	+	granted / extensions (spc, cpc, pte)
US3026931 A	19790415	PEXP		Calculated Patent Term Expiry