

EUROPEAN PATENT APPLICATION

Application number: **84200916.9**

Int. Cl.⁴: **F 24 C 15/04**

H 05 B 6/76, F 24 C 15/02

Date of filing: **25.06.84**

Priority: **30.06.83 IT 2186683**

Date of publication of application:
16.01.85 Bulletin 85/3

Date of deferred publication of search report: **06.08.86**

Designated Contracting States:
DE FR GB IT SE

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DE FR GB SE

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54 A method of manufacturing doors for domestic ovens combining microwave and electrical resistance heating.

57 A method of manufacturing doors for domestic ovens combining microwave and electrical resistance heating. An inner backing door (5) comprising an outer side wall (6) having a plurality of transversal slots (7), a stiffening frame (11), and an outer backing door (16) comprising a supporting side wall (26) are pressed from sheet steel. A flat metal sheet is punched and pressed to form a perforated microwave shield (14). The stiffening frame (11) is welded to the inner backing door (5) to form a sub-assembly. The sub-assembly (5, 11) and the outer backing door (16) are selectively enamelled so that each comprises a zone (12, 17) free from enamel, and are heated to a temperature exceeding 700°C. A gasket (13), a first glass pane (12A) and the shield (14) are placed on the sub-assembly (5, 11) to which the outer door (16) is fastened so that the shield (14) is clamped between the non-enamelled zones (12, 17). A second glass pane (28) is placed on the outer backing door (16) and fastened to the supporting side wall (26).

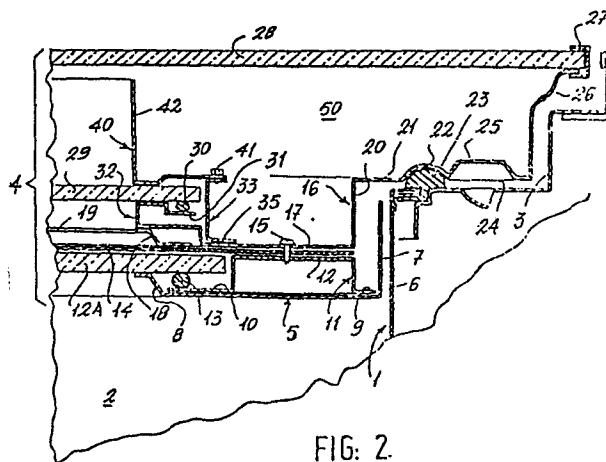


FIG. 2.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	DE-U-8 235 269 (BOSCH-SIEMENS HAUSGERÄTE) * page 5, paragraph 2 * -----	1	F 24 C 15/04 H 05 B 6/76 F 24 C 15/02
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			F 24 C 7/00 F 24 C 15/00 H 05 B 6/00
The present search report has been drawn up for all claims			
BERLIN Place of search		08-04-1986 Date of completion of the search	PIEPER C Examiner
CATEGORY OF CITED DOCUMENTS			
X	particularly relevant if taken alone	T	theory or principle underlying the invention
Y	particularly relevant if combined with another document of the same category	E	earlier patent document, but published on, or after the filing date
A	technological background	D	document cited in the application
O	non-written disclosure	L	document cited for other reasons
P	intermediate document	&	member of the same patent family, corresponding document

