



(11) **EP 2 072 905 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**23.11.2011 Bulletin 2011/47**

(51) Int Cl.:  
**F24C 15/16<sup>(2006.01)</sup> F24C 7/08<sup>(2006.01)</sup>**  
**F24C 3/12<sup>(2006.01)</sup>**

(43) Date of publication A2:  
**24.06.2009 Bulletin 2009/26**

(21) Application number: **08172141.7**

(22) Date of filing: **18.12.2008**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA MK RS**

• **Giraudi International Trading S.A.**  
**98000 Monaco (MC)**

(72) Inventor: **Leggi, Alberto**  
**29015 Castel San Giovanni (PC) (IT)**

(30) Priority: **19.12.2007 IT PC20070019 U**

(74) Representative: **Fisauli, Beatrice A. M.**  
**Con Lor S.p.A**  
**Via Renato Fucini, 5**  
**20133 Milano (IT)**

(71) Applicants:  
• **Leggi Project Company S.r.l.**  
**29015 Castel San Giovanni (PC) (IT)**

(54) **Oven with air barrier**

(57) The present innovation relates to an electric or gas oven with rack in particular for cooking meat or fish, of the type comprising a self-supporting stainless steel structure open at the front and in which a removable cooking rack is fitted, in which a fan is provided positioned inside the casing suitable for conveying a flow of fresh air between the inner walls and outer surfaces of the oven, thus limiting an excessive increase in temperature caused by the dispersions of the heating elements inside; the air curtain is created by a slit provided at the front

opening from which a part of the flow emitted by the fan flows out and which acts as a barrier for the heat and fumes generated during cooking.

Said oven furthermore provides a system for height adjustment of the cooking rack consisting of a gearmotor connected to an eccentric device which acts on a sliding structure supporting the rack, and which allows said rack to be positioned at different heights in a completely automatic manner without having to remove it from the oven.

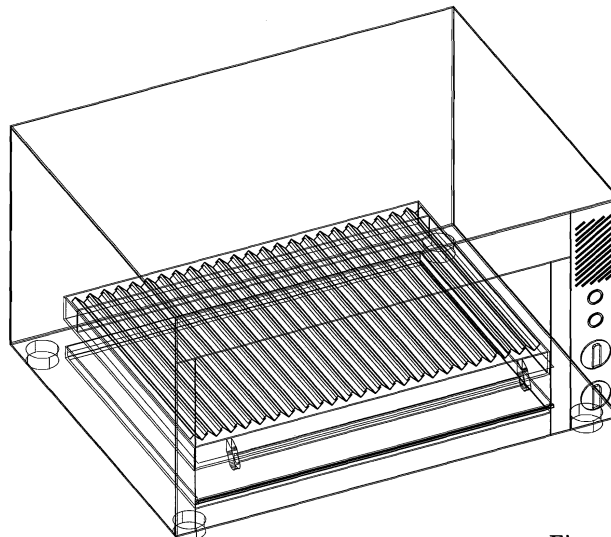


Fig. 1

**EP 2 072 905 A3**



EUROPEAN SEARCH REPORT

Application Number  
EP 08 17 2141

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2005/073094 A2 (HATCO CORP [US]; MAJCHRZAK MICHAEL [US]; WITT ALLAN [US]; ROLSTON DAVI) 11 August 2005 (2005-08-11)	1,2	INV. F24C15/16 F24C7/08 F24C3/12
Y	* paragraph [0020]; figure 4 * -----	3,4	
Y	US 4 144 870 A (REYNOLDS HOWARD R) 20 March 1979 (1979-03-20) * column 3, line 15 - column 4, line 22; figures 1-5 * -----	3,4	
A	US 2005/183715 A1 (MORETH R E III [US] ET AL MORETH III R EDWARD [US] ET AL) 25 August 2005 (2005-08-25) * abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24C A47J
The present search report has been drawn up for all claims			
1	Place of search The Hague	Date of completion of the search 23 September 2011	Examiner Vanheusden, Jos
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 17 2141

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-09-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005073094 A2	11-08-2005	AT 460869 T	15-04-2010
		EP 1711090 A2	18-10-2006
		US 2005211109 A1	29-09-2005
		US 2005173397 A1	11-08-2005
-----			
US 4144870 A	20-03-1979	NONE	
-----			
US 2005183715 A1	25-08-2005	NONE	
-----			

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82