

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 701 094 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.01.1997 Bulletin 1997/04

(51) Int Cl.6: **F24C 15/20, F24C 15/00**

(43) Date of publication A2:
13.03.1996 Bulletin 1996/11

(21) Application number: **95107189.3**

(22) Date of filing: **11.05.1995**

(84) Designated Contracting States:
DE ES FR GB NL PT

(71) Applicant: **MERLONI ELETTRODOMESTICI S.p.A.**
I-60044 Fabriano (AN) (IT)

(30) Priority: **12.05.1994 IT TO940383**

(72) Inventor: **Quintini, Antonio**
Fabriano (AN) (IT)

(54) Oven for the food cooking with a chimney for the vapours discharge

(57) A domestic oven for the cooking of food is described, of the type comprising a cooking chamber (3), a fan (7) which is able to create a flow of fresh air and a discharge duct (22,24) for vapours and/or smoke (F) which are produced within said chamber (3) during the cooking; the main feature of the described cooking oven is that of comprising at least a cooling duct (25,26) being contiguous to said discharge duct (22,24), within which at least a part of the flow of fresh air (R1,R2) produced by said fan (7) is conveyed, in order to reduce the temperature of the vapours and/or smoke (F) which flow within said discharge duct (22,24).

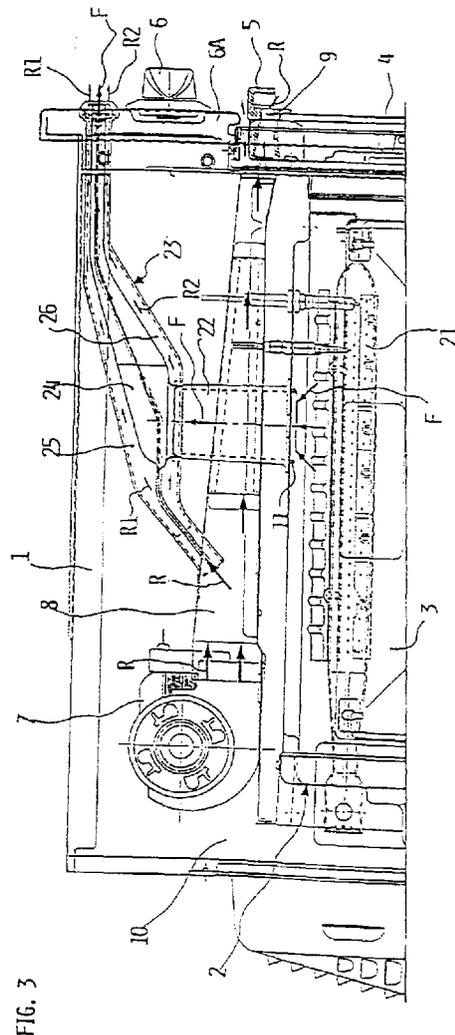


FIG. 3

EP 0 701 094 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 10 7189 3

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.6)
X	US-A-4 865 010 (KETT DAVID J) 12 September 1989 * column 4, line 30 - column 5, line 17; figures *	1-7,13,14	F24C15/20 F24C15/00
X	DE-A-42 11 755 (LICENTIA GMBH) 14 October 1993 * the whole document *	1,3,9	
A	DE-A-24 49 962 (EUROP EQUIP MENAGER) 24 April 1975 * claim 1; figures *	1-3,10	
A	US-A-3 659 578 (DAVIS JAMES E ET AL) 2 May 1972 * column 2, line 30 - line 54; figure 3 *	1-3	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F24C A21B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 November 1996	Examiner Vanheusden, J
CATEGORY OF CITED DOCUMENTS		I : 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 1501 03/82 (P04CO1)