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(11) Publication number:

0 534 302 A3

(12)

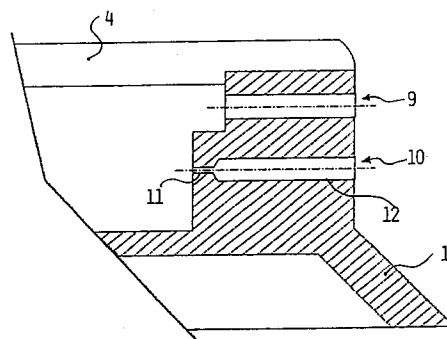
EUROPEAN PATENT APPLICATION(21) Application number: **92115823.4**(51) Int. Cl.⁵: **F23D 14/06**(22) Date of filing: **16.09.92**(30) Priority: **26.09.91 IT TO910724**(43) Date of publication of application:
31.03.93 Bulletin 93/13(84) Designated Contracting States:
BE DE ES FR GB NL PT(88) Date of deferred publication of the search report:
16.06.93 Bulletin 93/24

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(54) **Gas burner for food cooking.**

(57) The invention refers to a gas burner for cooking appliances, of the type which can be used with gases of different kinds; the main characteristic of the burner is that the flame separator element, to which a cover (4) is superposed, is integrated in the head (1) of the burner, made of a single piece with it, and provides for different orifices, for the exit of the air-gas mixture, disposed in two rings, an upper one (3; 9) and a lower one (2;10), in that a first series of said orifices (2;9), provided for supplying main flames, have a section such that the exit speed of the mixture is higher than the combustion speed of the most critic type of gas and in that a second series of said orifices (3;10), provided for supplying pilot flames, have means (5;11) to reduce the exit speed of the mixture, so that it results in being minor in respect of the exit speed from the orifices of the first series, in order to stabilise said pilot flames and, as a result, the main flames.

**FIG. 3****EP 0 534 302 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 92 11 5823

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US-A-5 040 970 (RIEHL) * column 4, line 40 - column 5, line 30 * * column 5, line 44 - column 6, line 2 * * column 6, line 40 - line 62; figures 1-7 *	1
Y	---	2-5
Y	FR-A-1 487 120 (UITTENBOGAARD) * page 1, right column, line 26 - page 2, left column, line 2; figures 1,2 *	2
Y	---	3-5
Y	GB-A-1 069 960 (BECKERS HAARDENFABRIEK) * page 1, line 47 - line 77; figure *	
A	---	
A	DE-C-819 314 (FRANK'SCHE EISENWERKE) -----	
The present search report has been drawn up for all claims		
Place of search THE HAGUE		Date of completion of the search 26 APRIL 1993
Examiner COLI E.		
CATEGORY OF CITED DOCUMENTS 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 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		