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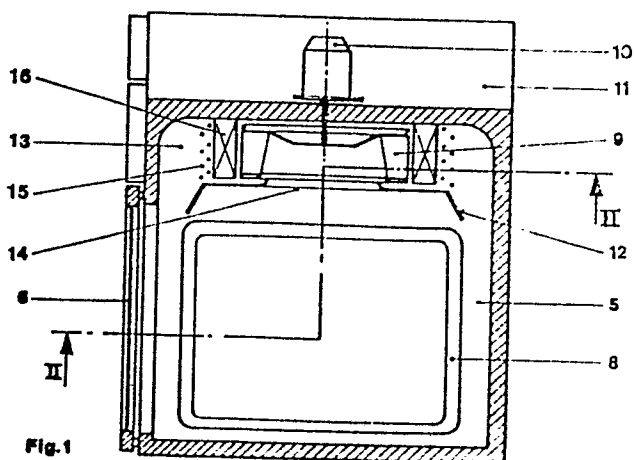
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54 **Forced convection oven.**

57 A forced convection oven has a cooking chamber (5) enclosing a motor-driven fan (9, 10) mounted adjacent a wall thereof and surrounded by heater elements (15) for heating air flowing towards the cooking chamber.

According to the invention, a circular diffuser (16) having numerous blades (17) of curvilinear shape is disposed between the fan (9) and the heater elements (15). Diffuser 16 is effective to deflect the air escaping from fan (9) to substantially radial directions with respect to the fan axis, and to reduce the air outflow velocity, resulting in a more uniform temperature distribution within the cooking chamber.





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 84114861.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	DE - A1 - 2 649 528 (SCHOLTES) * Fig. 2 * --	1	F 24 C 1/14
A	DE - A1 - 3 117 171 (LICENTIA PATENT-VERWALTUNGS GMBH) * Fig. 1 * --		
A	DE - A1 - 2 557 867 (BOSCH-SIEMENS) * Page 4, lines 9-14; fig. 2 * --	1	
A	DE - B1 - 2 614 818 (VOGT) * Fig. 3,4 * ----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			F 24 C 1/00 F 24 C 3/00 F 24 C 7/00 F 24 C 15/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 15-05-1987	Examiner TSCHÖLLITSCH
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 O : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			