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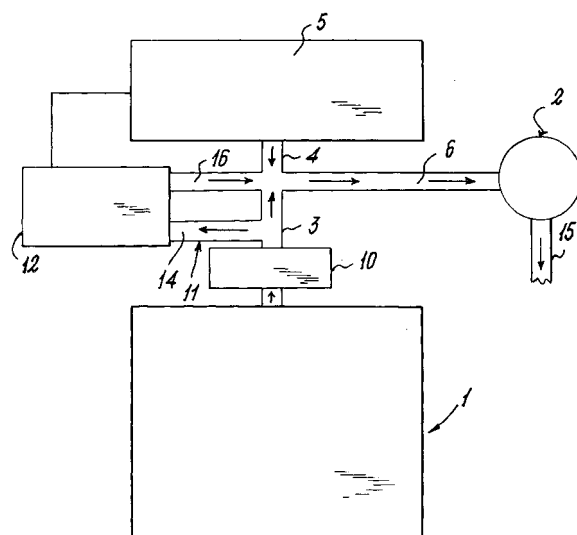
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(54) **Oven provided with analyzer for the air present in its cooking chamber**

(57) An oven comprises an internal cavity or cooking chamber (1) connected to a suction conduit (3) operationally connected to a suction member (2) arranged to withdraw air from the interior of the cooking chamber (1) and to expel it into the environment in which the oven is positioned via a discharge conduit (15); an analyzer (12) is provided for the air drawn from the cooking chamber (1), said analyzer (12) being positioned within a by-pass conduit (11) connected to the suction conduit (3), the air withdrawn from the cooking chamber (1) being able, within this by-pass conduit (11), to contact said analyzer (12) for a time sufficient for its analysis.



**FIG. 1**

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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 9207

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 271 (M-260), 3 December 1983 (1983-12-03) & JP 58 150720 A (MATSUSHITA DENKI SANGYO KK), 7 September 1983 (1983-09-07) * abstract *	1	F24C7/08 F24C14/02 F24C15/20
A	----- PATENT ABSTRACTS OF JAPAN vol. 006, no. 213 (M-167), 26 October 1982 (1982-10-26) & JP 57 120032 A (TOKYO SHIBAURA DENKI KK), 26 July 1982 (1982-07-26) * abstract *	1	
A	----- US 4 481 404 A (THOMAS ET AL) 6 November 1984 (1984-11-06) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 4 April 2006	Examiner Vanheusden, J
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			

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

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The members are as contained in the European Patent Office EDP file on  
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04-04-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 58150720 A	07-09-1983	JP 1513483 C JP 63063818 B	24-08-1989 08-12-1988
JP 57120032 A	26-07-1982	NONE	
US 4481404 A	06-11-1984	CA 1199958 A1	28-01-1986