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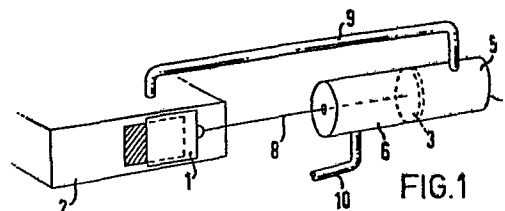
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(54) **A burner with an air regulator.**

(57) A burner having an air regulator upstream of the burner which automatically controls the air pressure at the inlet of the burner at a fixed value. The air regulator comprises a container (2) divided into a zone (6) in communication with the combustion chamber and another zone (5) in communication with the air supply to the burner, the zones (5, 6) being separated by a moveable partition (3) connected to a regulating device (1) for regulating the amount of air supply entering the burner from the atmosphere. When the moveable partition (3) moves in response to a pressure difference between the zones (5, 6) there is a change in the amount of air supplied to the burner.





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EUROPEAN SEARCH REPORT

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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. ³)
X	GB-A- 691 376 (RADIATION LIMITED) *Page 1, lines 22-32,41-84; page 2, lines 1-4; figure*	1,8	F 23 L 3/00 F 23 N 3/02
A	--- US-A-2 283 745 (LINES) *Page 1, left-hand column, line 1 to right-hand column, line 29; page 2, left-hand column, line 19 to right-hand column, line 52; figure*	1	
A	--- FR-A- 762 458 (STEIN) *Page 1, line 43 to page 2, line 65; figures 1,2*	2,6,9	
A	--- US-A-2 633 272 (THRING) *Column 2, lines 23-50; column 4, lines 62-67; column 5, line 46 to column 6, line 67; figure 2*	2,3	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A	--- FR-A-1 254 728 (SWOBODA) *Page 1, right-hand column, 2 last paragraphs; page 2, whole left-hand column; figures 1 to 4*	4	F 23 L F 23 C F 23 N
A	--- FR-A-1 555 097 (SCHACHTEL) *Page 1, left-hand column, 1st and 2nd paragraph, right-hand column, 4th,5th,6th and 7th paragraph; page 2, right-hand column, 4th paragraph; figures 1 to 8*	4,5,6	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-07-1982	Examiner PHOA Y.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			



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A	DE-C- 176 234 (EFRAN) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
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