

12 **EUROPEAN PATENT APPLICATION**

21 Application number: 81103593.0

51 Int. Cl.<sup>3</sup>: **F 23 M 9/06**  
**F 23 D 11/40**

22 Date of filing: 11.05.81

30 Priority: 23.05.80 IT 8556580

43 Date of publication of application:  
02.12.81 Bulletin 81/48

88 Date of deferred publication of search report: 18.08.82

84 Designated Contracting States:  
AT BE CH DE FR GB LI LU NL SE

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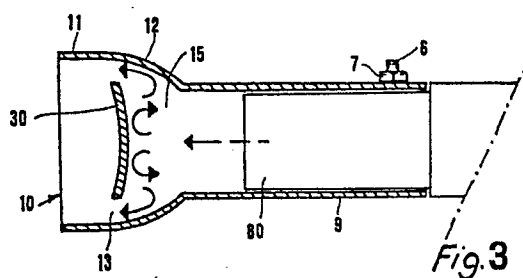
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54 **Flame trap apparatus for use on gas or oil burners.**

57 The invention relates to a flame trap apparatus for use on gas or oil burners. The device comprises a preferably cylindrical tubular body (10) adapted to form, in use, an extension of the flame emitting head (80) of a burner, and an intercepting element (30) located inside the tubular body (10) and defining a narrow peripheral passage (13) therewith. The flame trap device limits a chamber (15) close to the head (80).

Within the chamber (15), the flame generated by the burner hits the intercepting element (30). The combustion gases are thus deflected from their path and compelled to thoroughly mix, partly strike the inner wall of the tubular body (10), and then flow toward the passage (13).





European Patent  
Office

# EUROPEAN SEARCH REPORT

0040749

Application number

EP 81 10 3593

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. <sup>3</sup> )
X	DE-A-2 810 193 (W.SWOBODA) *Figures 1,2; claims 1,6*	1-5	F 23 M 9/06 F 23 D 11/40
Y		6	
X	DE-A-2 108 880 (HEIMBERGER) *Figure 1*	1,2	
Y		6	
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
			F 23 M F 23 D F 23 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-05-1982	Examiner DISSEN H.D.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			