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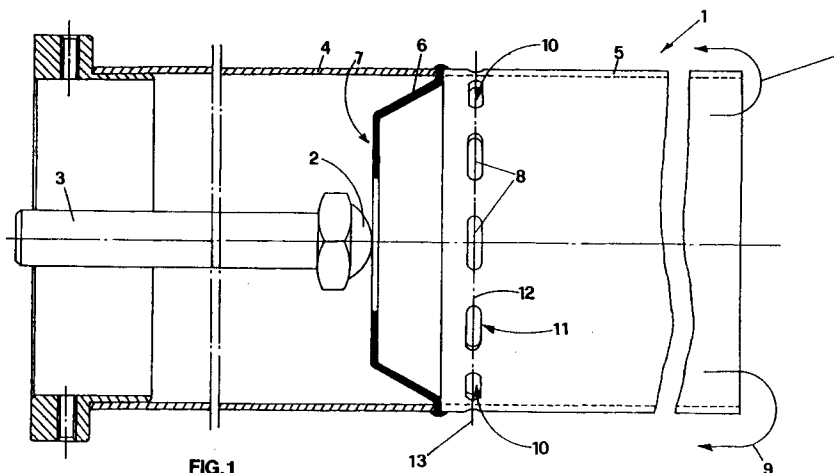
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(54) **Improved burner for the combustion of fluid fuels.**

(57) According to the invention the burner for the combustion of combustible fluids foresees below the atomizing nozzle (2) and in correspondence with the area of the combustion flue a plurality of slits (8, 68, 78) which are aligned along their longer axis in the circumferential direction of the combustion flue and are arranged in one or more rows near the area of maximum depression. According to a preferred embodiment, the slits are made in the combustion flue.

According to another embodiment the slits (78) are made in correspondence with the transversal cross-section, wherein the combustion flue (75) joins the inlet duct (74). According to another embodiment the slits (68) are made in a ring-shaped crown arranged in correspondence with the transversal cross-section, wherein the combustion flue (65) joins the inlet duct (64).

**FIG. 1****EP 0 538 761 A3**



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EUROPEAN SEARCH REPORT

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EP 92 11 7815

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.5)
D,Y	EP-A-0 410 135 (ELCO ÖL- GASBRENNERWERK) * the whole document *	1,2	F23C9/00 F23D11/40
Y	DE-C-3 017 050 (STETTNER) * column 3, line 57 - column 4, line 60 * * figure 1 *	1,2	
A		3,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F23D F23C F23M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 MAY 1993	Examiner LEITNER 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	