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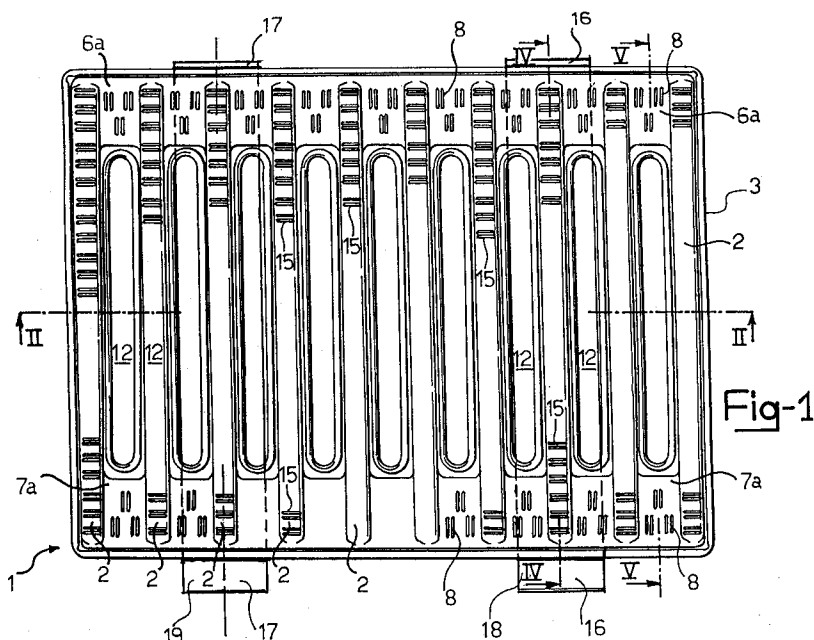
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(54) **A gas burner of the atmospheric type for water heating appliances, particularly heaters of the so-called instant type.**

(57) A gas burner (1) of the atmospheric type for water heaters comprises a plurality of flame diffusers (2) arranged at a common level in parallel flame rows and in fluid communication with at least one header conduit (6,7) provided at the top with plural

flame passageways (8) extending through a top wall (6a,7a) thereof and being substantially coplanar with the diffusers (2). The burner (1) allows of correct mutual ignition of the flames upon starting and has advantageous simple construction features.

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EUROPEAN SEARCH REPORT

Application Number

EP 93 20 0492

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)
X	FR-A-1 492 997 (USINES DE ROSIERES) * page 2, left column, line 24 - line 47; figures 7-11 *	1,2,4,6, 7	F23D14/04 F23D14/10
Y	---	3,5	
X	US-A-3 285 318 (KEINONEN) * column 3, line 5 - line 28 * * column 4, line 60 - column 5, line 12; figures 2,3,5 *	1,2,4,6, 7	
Y	GB-A-1 039 496 (DUIKER) * page 2, line 14 - line 44; figures 1,2 *	3,5	
A	DE-A-2 132 968 (FOGLIANI) * page 3, line 17 - line 23; figure 1 *	3,5	
A	DE-A-2 357 882 (FERROLI) ---		
A	DE-U-9 110 245 (VAILLANT) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F23D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01 SEPTEMBER 1993	Examiner COLI 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			