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(54) **Gas-powered water heater.**

(57) This gas-powered water heater is of the type comprising a water tank (1) which extends substantially vertically, a combustion chamber (2) arranged on the bottom of the tank and a gas burner (3) arranged inside the combustion chamber. In order to provide a high security against gas escape, simplicity in installation together with a simple structure, the combustion chamber (2) and the discharge duct (6,18) for the burnt gases are sealingly isolated from the room, the inflow of combustion air occurring through at least one duct (5,19) which connects the combustion chamber to the outside.

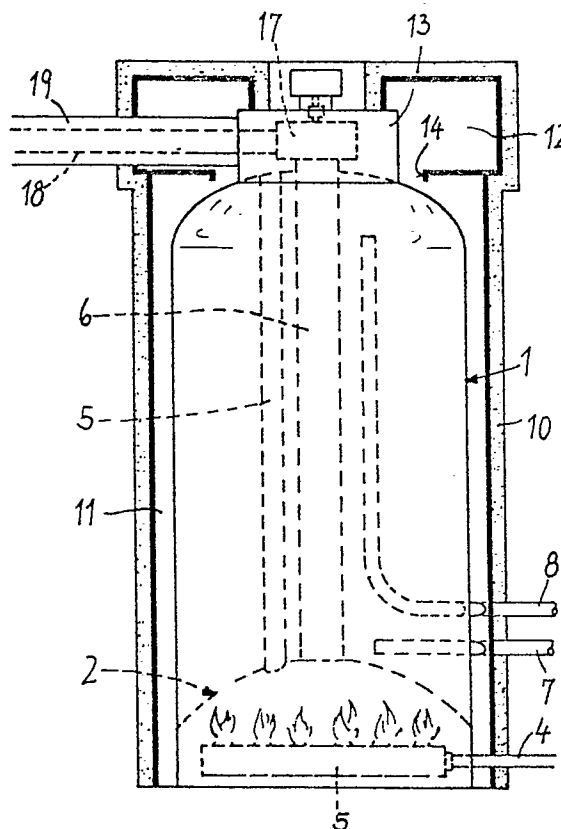


Fig. 5

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EP 87 11 0997

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	DE-B-2 201 317 (PALOMA KOGYO) * column 4, line 1 - column 5, line 4 *	1,3	F 24 H 1/20
Y	---	2,6	F 24 H 9/00
Y	US-A-3 269 382 (RONAN et al.) * column 2, lines 14-40 *	2,6	

P,X	GB-A-2 176 272 (BRADFORD-WHITE CORPORATION) * page 3, lines 78-123; figure 8 *	1,3	
P,A	* page 2, lines 70-87 *	7,8	

A	DE-U-1 779 992 (GAS-GERAETE-GESELLSCHAFT DIPL.-ING. BARSCH & CO) * page 3 *	1	

			TECHNICAL FIELDS SEARCHED (Int. Cl.3)
			F 24 H 1/00
			F 24 H 9/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 31-01-1989	Examiner PIEPER C
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
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P : intermediate document		 & : member of the same patent family, corresponding document	