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Hot water boiling apparatus.

A hot water boiling apparatus includes a hot water tank (11) filled with water. A water supply pipe (14) and a hot water supply pipe (17) are connected to the bottom and top of the tank, respectively. A bubble pump unit (20) is arranged in parallel with the tank. The pump unit includes a body (27) having a boiling chamber (67), electric heaters (24a, 24b) for heating the water in the chamber, a first connecting pipe (30) for guiding water from the tank to the body, a guide pipe (36) for feeding the water, guided through the first connecting pipe, into the boiling chamber, and a second connecting pipe (33) for guiding the water heated in the boiling chamber into the upper portion in the tank. The guiding pipe is arranged so that heat is exchanged between the water in the boiling chamber and the water flowing through the guide pipe.

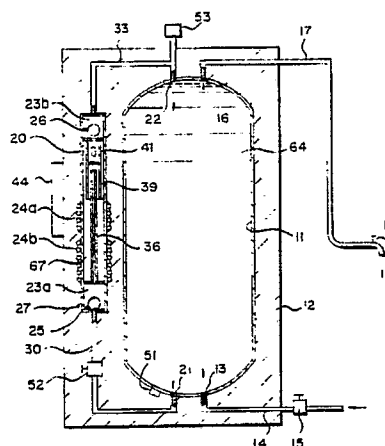


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 88 30 8704

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. 4)
A	DE-A-3 149 351 (VIESSMANN) * complete document * ---	1	F 24 H 1/18 F 24 H 9/12
A	US-A-2 519 920 (MINER) * column 3, line 74 - column 4, line 32 *	1,11	
A	US-A-2 369 526 (BRANDL) * page 1, left column, line 28 - page 1, right column, line 27 * ---	1	
A	AT-B- 310 316 (SIEMENS AG) * figure 1, reference no. 4 * -----	16	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 24 H
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 08-05-1990	Examiner PIEPER C
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			