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(54) **Boiler**

(57) A boiler with a reservoir (1) and a heating element (3) provided with a guard (12) in the reservoir (1) which screens the heating element (3) at a slight distance therefrom and defines an interspace (13) between the guard (12) and the wall (5) of the heating element (3). The interspace (13) communicates directly with the rest of the interior (2) of the reservoir (1) via passages (14) distributed over the guard (12). The guard constitutes a guide which guides water along the wall, resulting in an intensive, cooling flow along the heating element. As a result, boiling phenomena and lime deposition against the heating element are prevented. The interspace communicates directly with the rest of the interior space of the reservoir, without necessitating an extensive duct system.

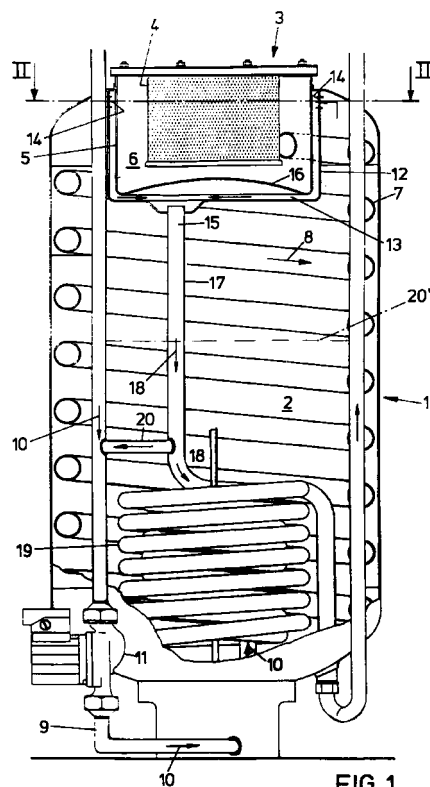


FIG. 1

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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 20 0361

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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