

Title (en)
STEAM GENERATOR COMPRISING A SWIRLING DEVICE

Title (de)
DAMPFERZEUGER MIT VERWIRBELUNGSEINRICHTUNG

Title (fr)
GENERATEUR DE VAPEUR A DISPOSITIF DE TOURBILLONNEMENT

Publication
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Application
EP 06705377 A 20060303

Priority

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Abstract (en)
[origin: WO2006097002A2] The invention relates to a steam generator (1) comprising an evaporation tank (2) which is provided with a base (21) and a water outlet (22). A heating device (3) is arranged in said evaporation tank (2) and an impeller (4) is arranged under said heating device (3), as a swirling device. The water outlet (22) is arranged in the base (21) of the evaporation tank (2) and the impeller (4) is arranged in the water outlet (22). Due to the inventive arrangement of the water outlet (22) and the impeller (4), which rotates in an essentially continuous manner when in operation, a whirl is produced in the water of the evaporation tank (2) and, in particular, in the water outlet (22). As a result, limescale which is present in the water, in particular, in the region of the water outlet (22) is continuously displaced and maintained in suspension in small particle sizes.

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