

Title (en)
CONTINUOUS-FLOW STEAM GENERATOR

Title (de)
DURCHLAUFDAMPFERZEUGER

Title (fr)
GÉNÉRATEUR DE VAPEUR EN CONTINU

Publication
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EP 09782426 A 20090901

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Abstract (en)
[origin: WO2010028978A2] The invention relates to a continuous steam generator (1) comprising a combustion chamber (2) having a number of burners for fossil fuels, downstream of which a vertical gas slope is mounted, on the hot gas side, in an upper region (4) above a horizontal gas slope (6). The outside wall (12) of the combustion chamber (2) is formed, in a lower region (10), from evaporation tubes welded together in a gas-tight manner and mounted upstream of a water separator system, on the flow medium side, and in an upper region (4), from superheater tubes welded together in a gas-tight manner and mounted downstream of the water separator system, on the flow medium side. The aim of the invention is to provide such a steam generator with an especially long service life and a comparatively simple structure. To this end, the limit (22) between the regions of the evaporation tubes and the superheater tubes is essentially horizontal around the combustion chamber (2), in the region of the bottom (18) of the horizontal gas slope (6).

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