

Title (en)
Continuous-flow steam generator

Title (de)
DURCHLAUFDAMPFERZEUGER

Title (fr)
Générateur de vapeur en continu

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Abstract (en)
[origin: WO2010029022A2] The invention relates to a continuous steam generator (1) comprising a number of burners for fossil fuels, the outside wall thereof being fully or partially formed from steam generator tubes welded together in a gas-tight manner. The burners are arranged in a combustion chamber, and a vertical gas slope (8) being mounted downstream of said combustion chamber, above a horizontal gas slope, on the hot gas side. A first part of the steam generating tubes forms a system of evaporation tubes mounted upstream of a water separator system (22), on the flow medium side, and a second part of the steam generating tubes forms a system of superheater tubes mounted downstream of the water separator system (22), on the flow medium side. According to the invention, said continuous steam generator has comparatively low repair costs and a comparatively long service life. To this end, superheater tubes adjacent and parallel to evaporation tubes are mounted directly downstream of the water separator system (22), on the flow medium side.

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