

Title (en)
FOSSIL-ENERGY HEATED CONTINUOUS STEAM GENERATOR

Title (de)
FOSSIL BEHEIZTER DURCHLAUFDAMPFERZEUGER

Title (fr)
GENERATEUR DE VAPEUR EN CONTINU CHAUFFE A L'AIDE D'UN COMBUSTIBLE FOSSILE

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Abstract (en)
[origin: WO2006032556A1] The invention relates to a fossil-energy heated continuous steam generator (2), whereby the at least one combustion chamber wall (6) of the combustion chamber (4), viewed in the flow direction of the hot gases (H), is divided into at least two throughflow segments (22), formed by evaporator heating surfaces (20), whereby the evaporator heating surfaces (20) each comprise steam generation tubes (24) welded to each other in a gastight manner and pressurised in parallel with a flow medium (S). According to the invention, said generator is suitable for operation with high fresh steam parameters, such as for example, steam temperatures of approximately 700 °C, with a simple construction and particularly simple assembly, whereby a throughflow segment (22), arranged after the first through flow segment (22), viewed in the direction of flow of the hot gases (H), forms the first evaporator stage (30) for the flow medium (S), such that the injection of particularly cold flow medium (S) can occur in the region of maximum heating.

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