

Title (en)
FOSSIL FUEL FIRED CONTINUOUS-FLOW STEAM GENERATOR

Title (de)
FOSSILBEHEIZTER DURCHLAUFDAMPFERZEUGER

Title (fr)
GENERATEUR DE VAPEUR CONTINU CHAUFFE PAR COMBUSTIBLE FOSSILE

Publication
EP 1141625 B1 20020626 (DE)

Application
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Priority
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• DE 19858780 A 19981218

Abstract (en)
[origin: US2002000208A1] The fossil fuel fired continuous-flow steam generator has a gas turbine combustion chamber for fossil combustibles. On the heating gas side a vertical gas extractor is mounted downstream of a horizontal gas extractor. The walls surrounding the combustion chamber are composed of vertical evaporator tubes that are welded together. During operation the temperature differences between adjacent evaporator tubes of the combustion chamber are kept as low as possible. The burners are arranged at the level of the horizontal gas extractor. For a number of evaporator tubes which can be simultaneously impinged by the flow medium the ratio of the steam generating capacity M (in kg/s) at full load and of the sum A (in m²) of the inner cross-sectional surfaces of the same evaporator tubes is less than 1350 (in kg/sm²) <heading
|v|="1">CROSS-REFERENCE TO RELATED APPLICATION </heading> This application is a continuation of copending International Application No. PCT/DE99/03896, filed Dec. 6, 1999, which designated the United States.

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IPC 8 full level
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