Title (en)

FOSSIL-FIRED STEAM GENERATOR

Title (de)

FOSSIL BEFEUERTER DAMPFERZEUGER

Title (fr)

GÉNÉRATEUR DE VAPEUR À COMBUSTIBLES FOSSILES

Publication

EP 2625390 A2 20130814 (DE)

Application

EP 11766973 A 20110930

Priority

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Abstract (en)

[origin: WO2012045677A2] The invention relates to a fossil-fired steam generator (1) for a steam power station, having, in a plurality of pressure stages (2, 4), a number of economiser, evaporator and overheating surfaces (12, 14, 16) forming a flow path (2) and which are cross-flown by a flow medium M. In a high pressure stage (2), an overflow line (24) is connected on the inlet side to the flow path (2) and leads to an injection valve (18) arranged in a medium pressure stage (4) of the flow path (2), on the flow medium side, upstream of a overheating surface (16). The aim of the invention is to provide a fossil-fired steam generator of said type in which the efficiency of the steam process is not effected too much. Also, an increase in the power in the short term can be possible, independently from the structure of the fossil-fired steam generator, without having to implement invasive structural modifications of the entire system. Also, the overflow line (24) comprises two supply lines (26, 30), the first of which is connected upstream, on the flow medium side, of a high pressure preheater (10) and the second is connected downstream, on the flow medium side, of the high pressure preheater (10).

IPC 8 full level

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CPC (source: EP KR US)

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