

Title (en)

Process for operating a steam generating system and steam generator.

Title (de)

Verfahren zum Betreiben einer Anlage zur Dampferzeugung und Dampferzeugeranlage.

Title (fr)

Procédé pour le fonctionnement d'une installation de génération de vapeur et générateur de vapeur.

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Application

EP 93103393 A 19930303

Priority

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Abstract (en)

[origin: EP0561220A1] The invention relates to a process for operating a steam generating system, in particular in a fossil-fuel fired power station, e.g. in a gas and steam turbine system, in which steam is generated from water by indirect heat exchange with hot smoke gas (RG), condensed water (K) first being preheated and the preheated water (W) subsequently being evaporated under great pressure. The process is characterised in that, in the partial-load range of the system, the preheated water (W) under great pressure is cooled by heat exchange with at least a partial flow (t1) of the condensed water (K). Furthermore, the invention relates to a system with a steam generator (1), one heating surface of which is a condensation preheater (3). The system also comprises a heat exchanger (40) which is connected downstream of the condensation preheater (3) on the primary side and is connected upstream of the condensation preheater (3) on the secondary side. <IMAGE>

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IPC 8 full level

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F01K 23/108 (2013.01 - EP US); **F22D 1/003** (2013.01 - EP US)

Cited by

JP2017514097A; EP0919767A1; EP0777035A1; DE19544226B4; EP0894948A1; US6109020A; AU743481B2; EP0781960A3; US5840130A; EP2940381A1; US10393369B2; US10100680B2; EP0981014A1; US6155054A; CN103562634A; EP3536763A1; KR20190106798A; WO2015165668A1; WO9951916A1; WO2011134749A3; US9879853B2; US10744474B2; EP2940381B1; EP0703514A1

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