

Title (en)

METHOD FOR OPERATING A FORCED-FLOW STEAM GENERATOR OPERATING AT A STEAM TEMPERATURE ABOVE 650°C AND FORCED-FLOW STEAM GENERATOR

Title (de)

VERFAHREN ZUM BETREIBEN EINES MIT EINER DAMPFTEMPERATUR VON ÜBER 650°C OPERIERENDEN ZWANGDURCHLAUFDAMPFERZEUGERS SOWIE ZWANGDURCHLAUF-DAMPFERZEUGER

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN GÉNÉRATEUR DE VAPEUR À CIRCULATION FORCÉE FONCTIONNANT À UNE TEMPÉRATURE DE VAPEUR SUPÉRIEURE À 650°C ET GÉNÉRATEUR DE VAPEUR À CIRCULATION FORCÉE

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Application

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Abstract (en)

[origin: WO2011015185A2] The invention relates to a method for operating a forced-flow steam generator operating at variable pressure and at a steam temperature above 650°C and reducing the minimum forced-flow load of the forced-flow steam generator, wherein the forced-flow steam generator is incorporated in the water-/steam-conducting working medium circuit of a power plant and the economizer of the forced-flow steam generator comprises at least one high-pressure pre-heater and/or a heat transfer system for pre-heating the working medium, the at least one high-pressure pre-heater and/or the heat transfer system being arranged upstream as viewed in the working medium circuit direction, wherein if a predetermined partial load point (LT) is exceeded, the heat absorption of the working medium within at least one high-pressure pre-heater and/or the heat transfer system is reduced in such a way that the temperature of the water/steam working medium at the outlet of the economizer is below the boiling point relative to the corresponding economizer outlet by a predetermined temperature difference (TD), and a forced-flow steam generator for performing the method.

IPC 8 full level

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