

Title (en)
FEED WATER CONTROL FOR FORCED THROUGHPUT BY-PRODUCT STEAM GENERATOR

Title (de)
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Title (fr)
RÉGULATION DE L'EAU D'ALIMENTATION POUR GÉNÉRATEUR DE VAPEUR À RÉCUPÉRATION DE CHALEUR À CIRCULATION FORCÉE

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Abstract (en)
[origin: CA3117871A1] The invention relates to a method for operating a forced-flow steam generator constructed as a waste-heat steam generator having a pre-heater (1), comprising a number of pre-heater heating surfaces (2), and having an evaporator (3) comprising a number of evaporator heating surfaces (4) which are connected downstream on the flow medium side of the pre-heater heating surfaces (2), in which a device for adjusting a feed water mass flow is supplied having a set point for the feed water mass flow, wherein, during the creation of the set point for the feed water mass flow, a waste-heat flow transferred to a fluid in the evaporator heating surfaces (4) is determined and, in addition, mass storage and energy storage in the fluid in the evaporator heating surfaces (4) is detected during non-steady-state plant operation, characterized in that a behaviour over time of a mass storage in the evaporator (3) is coupled with a behaviour over time of a mass storage in the pre-heater (1), wherein scaling is carried out with a ratio of the density changes in the evaporator (3) and in the pre-heater (1). The invention further relates to a forced-flow waste-heat steam generator (11).

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