

Title (en)

METHOD AND DEVICE FOR REGULATING THE PRODUCTION OF STEAM IN A STEAM PLANT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REGELN EINER DAMPFERZEUGUNG IN EINER DAMPFKRAFTANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RÉGULER LA PRODUCTION DE VAPEUR DANS UNE CENTRALE À VAPEUR

Publication

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Application

EP 10760329 A 20100928

Priority

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- EP 2010064376 W 20100928

Abstract (en)

[origin: WO2011069700A2] The invention relates to a method for regulating the production of steam (16) from feed water (10) in an evaporator (6) of a steam plant. A state regulator (30) calculates a plurality of states of a medium in the evaporator (6) by means of an observer (42) and, on the basis thereof, determines a feed water mass flow rate (ms) as a regulating variable. In order to obtain a stable and precise regulation of the temperature of the steam, the state regulator (30) is a linear-quadratic regulator.

IPC 8 full level

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