

Title (en)

METHOD AND DEVICE FOR CONTROLLING A TEMPERATURE OF STEAM FOR A STEAM POWER PLANT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REGELN EINER TEMPERATUR VON DAMPF FÜR EINE DAMPFKRAFTANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉGULATION D'UNE TEMPÉRATURE DE LA VAPEUR DANS UNE CENTRALE À VAPEUR

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Application

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Abstract (en)

[origin: WO2013072464A2] The invention relates to a method for controlling a temperature (9D) of steam (8) for a steam power plant (2). A state regulator (30) controls the temperature (9D) of the steam (8) at an outlet of a superheater (6) using a feedback of multiple medium states of the steam (8) in the superheater. The aim of the invention is to achieve a stable and precise control of the steam temperature. This is achieved in that the state regulator (30) is a linear regulator, the feedback matrix of which is ascertained such that the regulator has the control quality of a linear-quadratic regulator.

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