

Title (en)

ADDITIONAL CONTROLLED EXTRACTION FOR A PREHEATER FOR IMPROVING THE PLANT DYNAMICS AND THE FREQUENCY REGULATION IN A STEAM POWER PLANT

Title (de)

ZUSÄTZLICHE REGELANZAPFUNG FÜR EINEN VORWÄRMER ZUR VERBESSERUNG DER ANLAGENDYNAMIK UND FREQUENZREGELUNG BEI EINEM DAMPFKRAFTWERK

Title (fr)

PRÉLÈVEMENT RÉGULÉ SUPPLÉMENTAIRE DESTINÉ À UN PRÉCHAUFFEUR POUR AMÉLIORER LA DYNAMIQUE DE L'INSTALLATION ET LA RÉGULATION DE FRÉQUENCE DANS UNE CENTRALE THERMIQUE À VAPEUR

Publication

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Application

**EP 12729098 A 20120614**

Priority

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Abstract (en)

[origin: WO2013000720A2] The invention relates to an extraction method for a preheater of a steam power plant and to a water-steam circuit in a steam power plant. According to the invention, a higher-energetic steam is tapped on a turbine of the steam power plant and is admixed to a lower-energetic steam which is tapped on the turbine. The steam mixture of the lower-energetic steam and the admixed higher-energetic steam is fed to a preheater, in particular a high-pressure preheater, especially a last high-pressure preheating stage of the high-pressure preheater of the steam power plant, particularly for heating feed water flowing through the preheater. By an in particular regulated and/or controlled admixing of the higher-energetic steam to the lower-energetic steam (controlled extraction), a fast power change can be achieved in the steam power plant, particularly in part-load operation of the steam power plant, by changing the temperature of the lower-energetic steam.

IPC 8 full level

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CPC (source: EP)

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