

Title (en)

FAST POWER REGULATING PROCESS FOR A STEAM GENERATING POWER PLANT AND STEAM GENERATING POWER PLANT

Title (de)

VERFAHREN ZUR SCHNELLEN LEISTUNGSREGELUNG EINER DAMPFKRAFTANLAGE SOWIE DAMPFKRAFTANLAGE

Title (fr)

PROCEDE PERMETTANT DE REGULER RAPIDEMENT LA PUISSANCE D'UNE CENTRALE THERMIQUE A VAPEUR ET CENTRALE THERMIQUE A VAPEUR

Publication

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Application

EP 98959765 A 19981028

Priority

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- DE 19749452 A 19971110

Abstract (en)

[origin: DE19749452A1] The object of the invention is to ensure a fast, economical and reliable power regulation of a steam generating power plant (1) having a turbo set that comprises a steam turbine (2) and a generator (6) and during the operation of which water (W) is injected into or upstream of an overheater heating surface. According to the disclosed fast power regulating process of the steam generating power plant (1), the injection rate of water (W) is increased to adjust an additional generator output. In a steam generating power plant (1) which is particularly suitable for carrying out the process, an overheater heating surface of a steam generator (28) is provided with a water injector (70, 71) connected to a regulating component (82) for regulating the injection rate of water (W) into the overheater heating surface. The regulating component (82) supplies a regulating signal to the water injector (70, 72) depending on the required additional generator output.

IPC 1-7

F01K 13/02; **F22G 5/12**

IPC 8 full level

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CPC (source: EP KR US)

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