

Title (en)

A SMALL BYPASS SYSTEM OF A GENERATOR SET AND A CONTROLLING METHOD THEREOF

Title (de)

KLEINES BYPASSSYSTEM FÜR EINEN GENERATORSATZ UND STEUERVERFAHREN DAFÜR

Title (fr)

SYSTÈME DE PETITE DÉRIVATION D'UN ENSEMBLE GÉNÉRATEUR ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 2175104 A4 20120606 (EN)

Application

EP 07845793 A 20071203

Priority

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- CN 200710041839 A 20070611

Abstract (en)

[origin: EP2175104A1] A small bypass system of a generator set is provided, wherein the generator set at least comprises a boiler (1), a steam turbine (12), main steam pipes (13) connecting the boiler (1) with the turbine (12), and big bypass regulator valves (6, 7, 8, 9), the small bypass system comprises the steam pipes of the small bypass and at least a set of small bypass regulator valves (10, 11). A controlling method of the small bypass system is provided, which includes the steps that: firstly, before the big bypass system is opened, the small bypass regulator valves (10, 11) is opened gradually, until the small bypass system reaches the maximum rate of flow; secondly, after the small bypass system reaches the maximum rate of flow, the big bypass system is regulated to the degree corresponding to the maximum rate of flow of the small bypass system, at the same time the small bypass regulator valves (10, 11) is closed; then after the big bypass system reaches a bigger degree, the small bypass regulator valves (10, 11) is regulated to the maximum rate of flow gradually. The security of the generator set is enhanced and the starting time of the generator set is shorten by setting the small bypass system.

IPC 8 full level

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Citation (search report)

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