

Title (en)

A CONTROLLING METHOD OF A GENERATOR SET PROVIDED WITH A BYPASS SYSTEM

Title (de)

STEUERVERFAHREN FÜR EINEN MIT EINEM BYPASSSYSTEM VERSEHENEN GENERATORSATZ

Title (fr)

PROCÉDÉ DE COMMANDE D'UN ENSEMBLE GÉNÉRATEUR PRÉSENTANT UN SYSTÈME DE DÉRIVATION

Publication

**EP 2175105 A1 20100414 (EN)**

Application

**EP 07845794 A 20071203**

Priority

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- CN 200710041837 A 20070611

Abstract (en)

The present invention discloses a bypass control method, comprising: during the starting period of a generating unit provided with a bypass system, the boiler (1) is firstly started; the bypass system comprises a first-side bypass valve group (6,7) and a second-side bypass valve group (8,9); closing the second-side bypass valve group (8,9) and at the same time widely opening the first-side bypass valve group (6,7), so that the steam through a outlet header (5) is discharged only from the first-side bypass valve group (6,7); after maintaining the first-side bypass valve group (6,7) open for a required time period, closing the first-side bypass valve group (6,7) and at the same time opening the second-side bypass valve group (8,9), so that the steam from the header (5) is discharged only from the second-side bypass valve group (8,9); after maintaining the second-side bypass valve group (8,9) open for a required time period, restoring the normal control and being prepared for impulse starting of a turbine (10). The erosion rate of the solid particles is reduced and the safety of the generating unit is improved by controlling the bypass system.

IPC 8 full level

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CPC (source: EP)

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