

Title (en)

System and method for temperature control of reheated steam

Title (de)

System und Verfahren zur Temperaturregelung eines wieder aufgeheizten Dampfes

Title (fr)

Système et procédé pour le contrôle de la température de vapeur réchauffée

Publication

**EP 2698507 B1 20170301 (EN)**

Application

**EP 12180786 A 20120817**

Priority

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Abstract (en)

[origin: EP2698507A1] A temperature control system, particularly for low load conditions, is described including a by-pass line (132) with a by-pass control valve (133) branching off a live steam circuit (13) to a first steam turbine (14) in a sequence of at least two steam turbines (14, 18), with a steam exit line of the first turbine merging with the by-pass line into the inlet of a reheater (16) heated by a steam generator (10) and connected to a second steam turbine (18) of the sequence of at least two steam turbines, and having a steam mixing chamber (151) at or after the point of merging and before the inlet into the reheater. The desired temperature is set by controlling the mass flow through the by-pass line and/or the first turbine.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN108836110A; CN105781630A; CN114635766A; CN108474268A; CN110529210A; BE1030715B1; CN103925021A; JP2018063063A; US10808578B2; WO2024013695A1

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