

Title (en)

STEAM TEMPERATURE CONTROL DEVICE AND CONTROL UNIT INCLUDING SAME

Title (de)

DAMPFTEMPERATURREGLER UND STEUEREINHEIT DAMIT

Title (fr)

DISPOSITIF DE COMMANDE DE TEMPÉRATURE DE VAPEUR ET UNITÉ DE COMMANDE LE COMPRENANT

Publication

EP 3550208 A4 20200902 (EN)

Application

EP 17877376 A 20170904

Priority

- JP 2016231213 A 20161129
- JP 2017119575 A 20170619
- JP 2017031691 W 20170904

Abstract (en)

[origin: EP3550208A1] A steam temperature control device (3) for controlling a main steam temperature which is a temperature of main steam generated from a superheater (14) of a boiler including a desuperheater (13) which decreases a temperature of steam using an amount of spray water based on a water amount control value and the superheater (14) for heating steam discharged from the desuperheater (13) by an exhaust gas. The steam temperature control device (3) includes a water amount control value calculation part (311) which calculates a water amount control value based on a main steam temperature such that the main steam temperature becomes a target temperature, and transmits the water amount control value to a spray water supply valve (24). The water amount control value calculation part (311) is configured to transmit, as a lower limit value of the water amount control value, a water amount control minimum value to the spray water supply valve (24). The water amount control minimum value is calculated based on a moving average of a supply water amount to the desuperheater (13) during a fixed period or a moving average of the water amount control value during a fixed period.

IPC 8 full level

F22G 1/16 (2006.01); **F22G 5/12** (2006.01)

CPC (source: EP)

F22G 1/16 (2013.01); **F22G 5/123** (2013.01)

Citation (search report)

- [A] JP H07293809 A 19951110 - BABCOCK HITACHI KK
- [A] EP 2244011 A1 20101027 - SIEMENS AG [DE]
- See references of WO 2018100821A1

Cited by

WO2024021704A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3550208 A1 20191009; EP 3550208 A4 20200902; EP 3550208 B1 20230104; JP 2018091600 A 20180614; JP 6630705 B2 20200115

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