

## Title (en)

CONTROL DEVICE FOR POWER GENERATION SYSTEM, POWER GENERATION SYSTEM, AND POWER GENERATION METHOD

## Title (de)

STEUERUNGSVERFAHREN FÜR EIN STROMERZEUGUNGSSYSTEM, STROMERZEUGUNGSSYSTEM UND STROMERZEUGUNGSVERFAHREN

## Title (fr)

DISPOSITIF DE COMMANDE POUR SYSTÈME DE PRODUCTION D'ÉNERGIE, SYSTÈME DE PRODUCTION D'ÉNERGIE ET PROCÉDÉ DE PRODUCTION D'ÉNERGIE

## Publication

**EP 3293364 A4 20180822 (EN)**

## Application

**EP 16837017 A 20160805**

## Priority

- JP 2015160126 A 20150814
- JP 2016073151 W 20160805

## Abstract (en)

[origin: EP3293364A1] In the present invention, a turbine control panel (TCP) (57) performs a pressure-changing operation wherein the pressure of steam introduced into a steam turbine is changed. In addition, a load capacity value calculation unit (70) with which the TCP (57) is provided calculates the actual load capacity value obtained from the steam turbine on the basis of the deviation between a target degree of opening of a speed adjustment valve and the actual degree of opening of the speed adjustment valve, and controls the degree of opening of the speed adjustment valve on the basis of the calculated load capacity value. Thus, the TCP (57) does not use a pulse signal, as in the prior art, to change the load capacity value used in controlling the degree of opening of the speed adjustment valve, so the speed adjustment valve can be controlled without the occurrence of a time lag that is typical of a pulse signal.

## IPC 8 full level

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**F01D 17/04** (2013.01 - EP KR); **F01D 17/20** (2013.01 - EP); **F01D 17/24** (2013.01 - EP KR); **F01K 23/10** (2013.01 - EP KR); **F05D 2270/00** (2013.01 - EP)

## Citation (search report)

- [A] EP 2484873 A1 20120808 - MITSUBISHI HEAVY IND LTD [JP]
- [A] US 2014260254 A1 20140918 - YOSHIDA YASUHIRO [JP], et al
- [A] JP H1089017 A 19980407 - HITACHI SHIPBUILDING ENG CO
- See references of WO 2017030027A1

## Cited by

CN108512232A

## 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

## Designated extension state (EPC)

BA ME

## DOCDB simple family (publication)

**EP 3293364 A1 20180314**; **EP 3293364 A4 20180822**; **EP 3293364 B1 20191002**; CN 107923258 A 20180417; CN 107923258 B 20200114; JP 2017036721 A 20170216; JP 6552913 B2 20190731; KR 101982962 B1 20190527; KR 20170139653 A 20171219; WO 2017030027 A1 20170223

## DOCDB simple family (application)

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