

Title (en)

Turbine protection device and method for controlling a steam turbine

Title (de)

Turbinenschutzvorrichtung und Steuerungsverfahren einer Dampfturbine

Title (fr)

Dispositif de protection de turbine et procédé de commande pour une turbine à vapeur

Publication

EP 2348196 A2 20110727 (EN)

Application

EP 10173147 A 20100818

Priority

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Abstract (en)

An object of the present invention is to provide a turbine protection device which can interrupt steam flowing backward from a deaerator (5) to a turbine (2) completely even if a check valve (3a) provided between the deaerator (5) and the turbine (2) can not interrupt the steam flowing between the deaerator (5) and the turbine (2) completely. In order to achieve the above object, a control unit (11) sends commands to a shutdown valve device (12) so as to close the shutdown valve device (12) when a differential pressure resulted from subtracting a pressure of an extraction steam from a pressure within the deaerator (5) becomes equal to or greater than a first predetermined value. As a result, the steam flowing backward from the deaerator (5) to the turbine (2) is interrupted by a stop valve of the shutdown valve device (12).

IPC 8 full level

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Citation (applicant)

JP H11148310 A 19990602 - TOSHIBA ENGINEERING CO

Cited by

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