

Title (en)

CONTROL DEVICE AND METHOD FOR A QUICK-ACTING GATE VALVE OF A STEAM TURBINE

Title (de)

STEUEREINRICHTUNG UND -VERFAHREN FÜR EIN SCHNELLSCHLUSVENTIL EINER DAMPFTURBINE

Title (fr)

DISPOSITIF ET PROCEDE DE COMMANDE POUR UNE SOUPAPE A FERMETURE RAPIDE D'UNE TURBINE A VAPEUR

Publication

EP 2276935 B1 20120104 (DE)

Application

EP 09749621 A 20090519

Priority

- EP 2009003585 W 20090519
- DE 102008024253 A 20080520

Abstract (en)

[origin: US2011072821A1] A control device for a quick-closing valve of a steam turbine including a relief valve for reducing a hydraulic pressure opening the quick-closing valve, and a relief valve control valve arrangement having at least three valves which are hydraulically interconnected with the relief valve in such a way that the relief valve does not close the quick-closing valve unless at least two valves of the relief valve control valve arrangement are switched to a quick-closing position. The system includes a test control valve arrangement for selectively reducing and increasing the hydraulic pressure opening the quick-closing valve when the relief valve is closed.

IPC 8 full level

F15B 20/00 (2006.01)

CPC (source: EP US)

F15B 19/00 (2013.01 - EP US); **F15B 20/00** (2013.01 - EP US); **F15B 2211/30565** (2013.01 - EP US); **F15B 2211/31558** (2013.01 - EP US); **Y10T 137/7722** (2015.04 - EP US)

Cited by

DE102012022871A1; US10066645B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2011072821 A1 20110331; AT E540226 T1 20120115; BR PI0912859 A2 20190306; BR PI0912859 B1 20200609; CN 102037249 A 20110427; CN 102037249 B 20150520; DE 102008024253 A1 20091126; EP 2276935 A1 20110126; EP 2276935 B1 20120104; JP 2011521158 A 20110721; JP 5160685 B2 20130313; PL 2276935 T3 20120831; WO 2009141131 A1 20091126

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