

Title (en)

Rotary slide valve for the control of steam flow to a steam turbine

Title (de)

Radialdrehschieber zur Steuerung des Dampfdurchsatzes bei einer Dampfturbine

Title (fr)

Valve à manchon rotatif pour le contrôle du débit de vapeur d'une turbine à vapeur

Publication

EP 0808992 B1 20030326 (DE)

Application

EP 97108100 A 19970520

Priority

DE 19620949 A 19960524

Abstract (en)

[origin: EP0808992A2] The device has a fixed ring (1) and a rotary ring (2) concentric w.r.t. it whose angular position is varied by a servomotor. The rotary ring has a first control profile (4a) corresp. to a second profile (4b) on the fixed ring to form a control slot (17) between them which is variable to open or close the valve The rotary ring is divided into upper and lower parts which are joined so that separation of two opposing half-ring ends is variable to enable variation of the ring inner dia. to enable some play between the rotary and fixed rings required for rotation.

IPC 1-7

F01D 17/14; **F01D 17/16**; **F01D 11/16**

IPC 8 full level

F16K 3/24 (2006.01); **F01D 11/16** (2006.01); **F01D 17/14** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)

F01D 17/143 (2013.01 - EP US); **F01D 17/167** (2013.01 - EP US)

Citation (examination)

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Cited by

US2016084156A1; US10161302B2

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EP 0808992 A2 19971126; **EP 0808992 A3 19990707**; **EP 0808992 B1 20030326**; DE 19620949 A1 19971127; DE 59709597 D1 20030430; JP H1082470 A 19980331; US 5799927 A 19980901

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EP 97108100 A 19970520; DE 19620949 A 19960524; DE 59709597 T 19970520; JP 13264097 A 19970522; US 86336097 A 19970527