

Title (en)
Actuator for a control valve

Title (de)
Stellantrieb für ein Regelventil

Title (fr)
Dispositif d'entraînement pour une vanne de réglage

Publication
EP 0631056 B2 19990512 (DE)

Application
EP 94108751 A 19940608

Priority
DE 4320937 A 19930624

Abstract (en)
[origin: EP0631056A1] This actuator (1) for a control valve (2) has a control circuit which sets the actuator (1) in accordance with a desired value preset by a superior plant control system. In addition, it has a main piston (6) sliding in a main cylinder (5), with a drive volume (7), to which oil under pressure can be admitted in a controlled manner, on one side of the main piston (6), and a plate valve (17) connected upstream of the drive volume (7). An actuator for a control valve is to be created which can be improved in its dynamic behaviour with comparatively simple means. This is achieved by the plate valve (17) being provided with a separate storage volume, connected to a drain device, for the oil leaking from the plate valve (17). <IMAGE>

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F15B 13/02; F01D 17/26; F01D 21/18; F16K 31/383; F16K 25/02; F16K 17/08

IPC 8 full level
F01D 17/10 (2006.01); **F01D 17/26** (2006.01); **F01D 21/18** (2006.01); **F15B 13/02** (2006.01); **F15B 13/04** (2006.01); **F16K 17/08** (2006.01); **F16K 25/02** (2006.01); **F16K 31/383** (2006.01)

CPC (source: EP US)
F15B 13/0405 (2013.01 - EP US); **F05B 2220/301** (2013.01 - EP US); **Y10S 91/03** (2013.01 - EP)

Citation (opposition)
Opponent :

- DD 263801 A1 19890111 - GOERLITZER MASCHINENBAU VEB [DD]
- K. Speicher, "Einheitsregelung für mittlere und grosse Dampfturbinen", Energietechnik, (14), Heft 8, August 1964

Cited by
EP1020647A1; DE102009009852A1; CN102615264A; US6241211B1; DE102009009852B4

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EP 0631056 A1 19941228; **EP 0631056 B1 19960501**; **EP 0631056 B2 19990512**; CN 1102233 A 19950503; DE 4320937 A1 19950105; DE 59400247 D1 19960605; JP H07139307 A 19950530; US 5467683 A 19951121

DOCDB simple family (application)
EP 94108751 A 19940608; CN 94107226 A 19940624; DE 4320937 A 19930624; DE 59400247 T 19940608; JP 14194894 A 19940623; US 25325094 A 19940602