

Title (en)
Actuator.

Title (de)
Stellantrieb.

Title (fr)
Actuateur.

Publication
EP 0430089 B1 19940302 (DE)

Application
EP 90122361 A 19901123

Priority
CH 431589 A 19891201

Abstract (en)
[origin: EP0430089A1] This actuator (1) for a control valve (2) with a control circuit has a main piston (6) sliding in a main cylinder (5). On one side of the main piston (6) a drive volume (7) with controlled pressurised oil admission is arranged and on its other side an oil-filled buffer volume (8) is arranged. <??>The intention is to create an actuator (1) which, despite its relatively high output capacity, has a positively acting, comparatively high dynamic, particularly when the control valve (2) closes. This is achieved in that the drive volume (7) and the buffer volume (8) can be connected by a connecting line (22) which can be shut off by a valve. This valve is hydraulically actuated directly by means of a second valve. <IMAGE>

IPC 1-7
F01D 17/26; F01D 21/18; F15B 13/02

IPC 8 full level
F01D 17/26 (2006.01); **F01D 21/18** (2006.01); **F15B 11/024** (2006.01)

CPC (source: EP US)
F01D 17/26 (2013.01 - EP US); **F01D 21/18** (2013.01 - EP US); **F15B 11/024** (2013.01 - EP US); **F15B 2011/0243** (2013.01 - EP US); **F15B 2211/40507** (2013.01 - EP US); **F15B 2211/41509** (2013.01 - EP US); **F15B 2211/455** (2013.01 - EP US)

Cited by
CN109404065A; EP0540963A1; US5280807A; EP0604805A1; DE4244304A1; US5435227A; AT410361B; EP0631056A1; DE4320937A1; US5467683A; WO9512057A1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
EP 0430089 A1 19910605; **EP 0430089 B1 19940302**; DE 59004774 D1 19940407; ES 2052136 T3 19940701; US 5137253 A 19920811

DOCDB simple family (application)
EP 90122361 A 19901123; DE 59004774 T 19901123; ES 90122361 T 19901123; US 61076490 A 19901108