

Title (en)

SLIDE CONTROL DEVICE, IN PARTICULAR A SPOOL OF A DIRECTIONAL VALVE

Publication

EP 0092064 B1 19870225 (DE)

Application

EP 83102910 A 19830324

Priority

DE 3214845 A 19820421

Abstract (en)

[origin: US4519573A] A slide valve, in particular the piston of a switching valve, is actuated in both directions of adjustment by a pressure medium which acts on the annular face and/or the circular face of a regulating piston fixed one-sidedly to the slide valve. The equalization of the differing controlling forces, determined by the different sized surfaces of the regulating piston that are subjected to pressure, is achieved by means of a spring or by an hydraulic counterforce.

IPC 1-7

F15B 13/042; **F15B 13/043**; **F15B 15/17**

IPC 8 full level

F15B 13/04 (2006.01); **F15B 13/042** (2006.01); **F15B 13/043** (2006.01); **F15B 15/17** (2006.01)

CPC (source: EP US)

F15B 13/0402 (2013.01 - EP US); **Y10T 137/86614** (2015.04 - EP US); **Y10T 137/87209** (2015.04 - EP US)

Citation (examination)

- DE 2112813 B2 19800703
- DE 2140972 B2 19780713
- DE 2533829 A1 19770217 - BOSCH GMBH ROBERT
- DE 3043935 A1 19810604 - DIESEL KIKI CO [JP]

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EP0388635A1; DE4011908A1; DE4011908C3; DE4042518C2

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0092064 A2 19831026; **EP 0092064 A3 19840725**; **EP 0092064 B1 19870225**; DE 3214845 A1 19831103; DE 3214845 C2 19900315; DE 3369872 D1 19870402; JP S5917005 A 19840128; US 4519573 A 19850528

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