

Title (en)

Hydraulic control device for the load-independent control of a double acting actuator

Title (de)

Hydraulische Steuereinrichtung zur lastdruckunabhängigen Steuerung eines doppeltwirkenden Motors

Title (fr)

Dispositif de commande hydraulique indépendante de la pression de charge d'un moteur à double effet

Publication

EP 0877169 B1 20031203 (DE)

Application

EP 98102270 A 19980210

Priority

DE 19719228 A 19970507

Abstract (en)

[origin: EP0877169A2] The hydraulic control system for a double-action motor, independent of the loading, has a non-return valve (42) in the lateral channel (62) downstream from the pressure balance (12) and upstream of the piston slide (25) and separated from the throttle slide (48). The pressure pick-up opening (55) is upstream of the non-return valve. The relief mechanism is a piston section (30) at the piston slide which controls the connection between the measurement diaphragm chamber (20) at the outlet side and the adjacent feedback chamber (19). The throttle slide, in the start position, gives a throttled connection (51,49) between the pressure pick-up opening and the measurement chamber. The connection is blocked when the throttle slide is in the working position.

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F15B 11/05

IPC 8 full level

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Cited by

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