

## 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 A3 20000119 (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.

## IPC 1-7

**F15B 11/05**

## IPC 8 full level

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## Citation (search report)

- [DA] DE 3634728 A1 19880421 - REXROTH MANNESMANN GMBH [DE]
- [DA] DE 4026720 A1 19910620 - BOSCH GMBH ROBERT [DE]
- [A] DE 4136991 A1 19930513 - BOSCH GMBH ROBERT [DE]
- [A] DE 3629850 A1 19880303 - BOSCH GMBH ROBERT [DE]
- [A] EP 0550257 A1 19930707 - KAYABA INDUSTRY CO LTD [JP]

## Cited by

WO0192729A1; CN109798270A; WO0212732A3; US6874526B2

## Designated contracting state (EPC)

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## DOCDB simple family (application)

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