

Title (en)
Hydraulic control device

Title (de)
Hydraulische Steuereinrichtung

Title (fr)
Dispositif de commande hydraulique

Publication
EP 0823559 B1 20011031 (DE)

Application
EP 97112410 A 19970719

Priority
DE 19632201 A 19960809

Abstract (en)
[origin: EP0823559A2] The device has a proportional throttle valves connected in each of a feed (18) and an outflow conduit (23) of the motor, for lifting and lowering a load, respectively. A pressure maintaining valve (22) is provided for load-compensated volume flow control on lifting. The pressure drop occurring at the first proportional throttle valve is fed via two control conduits (31,32) to the spring-loaded pressure balance. The pressure maintaining valve is connected in a conduit section (26) common to the feed and outflow conduits. The first proportional throttle valve (19) controls a first (31) control conduit. In this first control conduit a changeover valve (34) is connected, with which the pressure maintaining valve can be changed over to a pressure feed dependent upon the second proportional throttle valve (24).

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F15B 11/05; F15B 13/01

IPC 8 full level
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CPC (source: EP)
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Cited by
EP0965763A1; CN102979774A; CN105035979A; EP0987444A3; WO2005093164A1; US6176261B1

Designated contracting state (EPC)
DE FR GB IT

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