

Title (en)
Hydraulic control device.

Title (de)
Hydraulische Steuervorrichtung.

Title (fr)
Dispositif de commande hydraulique.

Publication
EP 0499694 B1 19951011 (DE)

Application
EP 91119267 A 19911112

Priority
DE 4105459 A 19910221

Abstract (en)
[origin: EP0499694A2] In a hydraulic control device (S), with a double acting hydraulic consumer (V) to which pressure can be admitted via two working lines (4, 5) and which is protected in at least one working direction by a load-holding valve (H) which can be opened and closed hydraulically in a controlled manner, a control-pressure line (12) which is attached to a control connection of the load-holding valve and to which pressure can be alternatively admitted, and a damping restrictor (13) in the control-pressure line (12), a valve (15, 15', 15", 15"', 15<IV>) is provided which, during the controlled closing movement of the load-holding valve (H, 6), automatically responds to a delay in the controlled closing movement caused by the instantaneous viscosity of the pressure medium and/or too rigid a setting of the damping restrictor (13) and critical with regard to the follow-up of the hydraulic consumer (V) under a load (F) and then switches to through-flow and by-passes the damping restrictor (13). The valve prevents the inflow of too cold a pressure medium and/or too rigid a setting of the damping restrictor for a desired damping with regard to the controlled closing of the load-holding valve and ensures the rapid controlled closing of the load-holding valve, which controlled closing is required to stop and hold the load, in particular during a safety cut-out. <IMAGE>

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F15B 13/01

IPC 8 full level
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Cited by
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