

Title (en)
Hydraulic control device

Title (de)
Hydraulische Steuereinrichtung

Title (fr)
Dispositif de commande hydraulique

Publication
EP 0624732 B1 19980121 (DE)

Application
EP 94103381 A 19940307

Priority
DE 4312257 A 19930415

Abstract (en)
[origin: EP0624732A1] A hydraulic control device (10) with directional valve (11) in LS technology with individual pressure balance (12) and secondary pressure-relief valve (44) is proposed, in which both motor connections (24, 25) can be protected with different pressure values although the load pressure is picked off upstream of a distributor point of the pressure-medium flow to the two motor connections (24, 25). Allocated to the pressure-relief valve (44) is an adjusting unit (67) whose pressure space (69), as a function of the deflection of the control spool (15), can be loaded with a pressure signal, and, as a function of this, a piston (71) changes the response pressure of the pressure-relief valve. The pick-off of the pressure signal is controlled directly by the control spool (15) of the directional valve (11). <IMAGE>

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IPC 8 full level
F15B 11/05 (2006.01); **F15B 13/04** (2006.01)

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Cited by
CN103109095A; EP3150862A1; CN103328870A; JP2014504710A; US9027589B2; US9810334B2; US9291278B2; WO2011115647A1; WO2012103899A1; WO03091576A1; JP2013522562A

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