

Title (en)
HYDRAULIC CONTROL DEVICE

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Application
EP 88101810 A 19880208

Priority
DE 3705170 A 19870218

Abstract (en)
[origin: US4811649A] In hydraulic control devices comprising a two-way flow regulator in a reservoir return passage, in which the flow regulator comprises a metering restriction and a pressure equalizer including a control piston with the piston ends disposed in control chambers and subjected to the action of control pressures, the actuation of a single-acting hydraulic motor under load often results in an unavoidable switching shock, because the displacement of the control piston involves the consumption of a certain volume of the pressure fluid. In order to eliminate the switching shock with a simple construction, the end of the control piston subjected to the action of the load pressure is formed as a closure element cooperating with a valve seat in the manner of a poppet valve for holding the load pressure.

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Cited by
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