

Title (en)
CONTROL ARRANGEMENT FOR A HYDRAULIC MOTOR

Title (de)
STEUERVORRICHTUNG FÜR EINEN HYDRAULIKMOTOR

Title (fr)
MECANISME DE COMMANDE DE MOTEUR HYDRAULIQUE

Publication
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Application
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Abstract (en)
[origin: WO9935407A1] A control arrangement for a hydraulic motor (1) is, at least in one working direction, loadable by an external load (2). It has a control valve (3) with an inflow control throttle (5) and a return control throttle (7). The control valve (3) is part of a pressure control, in which the motor inflow pressure (PA) is substantially determined by the control valve (3). Further, there is a load retaining valve (14) in the return path (8), which opens in dependence of the difference between the motor inflow pressure (PA) and a reference pressure (PR), which can be picked off between the load retaining valve (14) and the return control throttle (7). A compensation valve (13) maintains a constant pressure drop at an adjustable throttle arranged in the return path (8). This gives a control arrangement, which is to a high degree load independent during lowering and stable towards oscillations.

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