

Title (en)

HYDRAULIC MACHINE, IN PARTICULAR HYDRAULIC MOTOR, AND METERING DEVICE COMPRISING SUCH A MOTOR

Title (de)

HYDRAULISCHE MASCHINE, INSBESONDERE HYDRAULIKMOTOR, UND SOLCH EINEN MOTOR UMFASSENDE DOSIERVORRICHTUNG

Title (fr)

MACHINE HYDRAULIQUE, EN PARTICULIER MOTEUR HYDRAULIQUE, ET DOSEUR COMPORTANT UN TEL MOTEUR.

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Application

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Priority

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Abstract (en)

[origin: WO2007080250A1] Hydraulic machine, in particular hydraulic motor, comprising a casing (2) with a body (3) and a cover (4); a separation means (M) which can make a reciprocating movement and defines two chambers (5, 6); hydraulic switching means (C) comprising a distribution member (D); a compartment (13) in the body of the casing connected to a pressurized-liquid inlet (14), and initiating means (15) comprising a pusher (A) connected to the separation means, these initiating means being able, at the end of the stroke, to cause a sudden change in the position of the switching means, under the action of an elastic means (E), in order to reverse the stroke. The distribution member (D) comprises a distribution slide valve (16) applied against a flat plate (17) which is fixed relative to the body of the casing, the slide valve being able to slide in a fluid-type manner, without a seal, against the plate (17), which has orifices connected respectively to the chambers (5, 6) of the casing and to a liquid outlet orifice (18), the slide valve (16) being intended, depending on its position, to close some of the orifices or to place them in communication with the fluid inlet or the outlet.

IPC 8 full level

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