

Title (en)

DEVICE FOR CONTROLLING A HYDRAULIC PUMP OR A HYDRAULIC MOTOR

Title (de)

VORRICHTUNG ZUM REGELN EINER HYDRAULIKPUMPE ODER EINES HYDRAULIKMOTORS

Title (fr)

DISPOSITIF DE RÉGULATION D'UNE POMPE HYDRAULIQUE OU D'UN MOTEUR HYDRAULIQUE

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Application

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Abstract (en)

[origin: WO2022207416A1] The present invention relates to a device (10) for controlling a hydraulic pump (12), comprising: a hydraulic-fluid reservoir (18); a hydraulic pump (12), which has an inlet (20) and an outlet (22); an adjustment unit (27), which interacts with the hydraulic pump (12) and by means of which the delivery volume of the hydraulic pump (12) can be changed, the adjustment unit (27) being disposed in a high-pressure secondary line (36) connected to the high-pressure line (26); a high-pressure seat valve (40), which is disposed in the high-pressure secondary line (36) and interacts with the adjustment unit (27); a sensor (44), by means of which an actual value of at least one parameter that can be influenced by the delivery volume of the hydraulic pump (12) can be measured; a setting element (46), by means of which a set point value of the parameter can be specified; and a control apparatus (42), which interacts with the sensor (44) and with the setting element (46) such that the high-pressure seat valve (40) can be activated in accordance with the actual value measured by the sensor (44) and the set point value specified by the setting element (46). The present invention also relates to a device for controlling a hydraulic motor (66).

IPC 8 full level

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