

Title (en)

ROTARY MECHANISM CONTROL WITH POWER SUPPLY

Title (de)

DREHWERKSTEUERUNG MIT SPEISEEINRICHTUNG

Title (fr)

COMMANDE DE MECANISME ROTATIF A SYSTEME D'ALIMENTATION

Publication

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Application

**EP 97918141 A 19970417**

Priority

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Abstract (en)

[origin: DE19620665C1] The invention relates to a hydraulic control, especially for the rotary mechanism of an excavator. In a drive circuit there are a hydraulic drive pump (2) and a hydraulic drive motor connected via operating lines (4, 3). The hydraulic control comprises an adjuster (9) to adjust a piston (12) fitted between two setting pressure chambers (10, 11) and acting on the displacement volume of a hydraulic drive pump (2). There is also a pre-control unit (8) which applies an adjusting pressure to one of the setting pressure chambers (10, 11) depending on the pressure difference between two control lines (6, 7). According to the embodiment of the invention, the pre-control unit (8) is connected to a supply line (30) via a pressure regulating valve (56), and, in a pilot position (42, 43), the pre-control unit (8) connects one of the two setting pressure chambers (10, 11) via the pressure regulating valve (56) to the supply line (30) and the other chamber (11, 10) to a pressurising fluid tank (17). In a neutral position (61), both setting pressure chambers (10, 11) are connected to the supply line (30) via the pressure regulating valve (56).

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