

Title (en)

CONTROL DEVICE FOR AT LEAST TWO HYDRAULIC DRIVES

Title (de)

STEUERVORRICHTUNG FÜR MINDESTENS ZWEI HYDRAULISCHE ANTRIEBE

Title (fr)

DISPOSITIF DE COMMANDE POUR AU MOINS DEUX COMMANDES HYDRAULIQUES

Publication

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Application

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Abstract (en)

[origin: WO2009015502A1] The invention relates to a control device for at least two hydraulic drives, which can be controlled by control blocks (3.1; 3.2). The hydraulic drives can be controlled by means of directional valves (11.1; 11.2), which in turn can be controlled by means of proportional pressure-reducing valves (13.1, 14.1; 13.2, 14.2) acting as pilot control valves. According to the invention, the control blocks (3.1; 3.2) comprise a pressure governor (12.1; 12.2) connected upstream and a controllable pressure splitter. A hydraulically controlled 2/2 proportional way valve (15.1; 15.2) is connected between the proportional pressure-reducing valves (13.1, 14.1; 13.2, 14.2) and the hydraulic control inputs of the directional valve (11.1; 11.2) and forms the pressure splitter in conjunction with choke points (30.1, 40.1; 30.2, 40.2). A plurality of such control blocks can be connected in series to control a plurality of loads. In this way, disadvantageous effects of insufficient supply can be avoided, without requiring additional external components.

IPC 8 full level

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