

Title (en)

Total power controller

Title (de)

Summenleistungsregler und Druckmittler

Title (fr)

Dispositif de réglage de la puissance totale

Publication

EP 1304482 B1 20060830 (DE)

Application

EP 02016036 A 20020718

Priority

DE 10151401 A 20011018

Abstract (en)

[origin: EP1304482A2] The cumulative power control for a number of hydrostatic piston machines (5,5',5), e.g. hydropumps, includes a pressure system to generate a common control parameter. The pumped volume is adjusted by setting units (8,8',8,9,9',9), for the pumps to force a pressure medium into their outflow channels (6,6',6). The setting units are controlled by a regulator (7,7',7), with a deflection lever with a torque applied to it proportional to the pumped volumes and the pressures in the pump outflow channels, to act on the regulating pistons. The operating pressures of the pumps are passed to the pressure monitor (12). The separate regulators for each pump each have a regulating piston and a measurement piston which is under an axial force which is transferred to the regulating piston. A counter force is applied to a measurement piston surface by the pressure monitor.

IPC 8 full level

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CPC (source: EP)

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