

Title (en)

REGULATOR FOR AT LEAST TWO HYDROSTATIC MACHINES LINKED TO A COMMON PRESSURE PIPE

Publication

EP 0284987 B1 19910918 (DE)

Application

EP 88104660 A 19880323

Priority

DE 3711050 A 19870402

Abstract (en)

[origin: EP0284987A2] A regulator for at least two hydrostatic machines (1) linked to a common pressure pipe (3) and having a variable delivery or absorption capacity, in which an adjusting device (5) with a hydraulic adjusting piston (34) and a governor (6) for governing its volumetric setting are allocated to each machine (1), is to be designed in such a way that a hydraulic synchronous operation or parallel operation is obtained while ensuring mutual uniform loading of the machines (1). This is achieved by a control means (25) being allocated to each governor (6), which control means (25) loads the associated governor (6) with a correction signal (XK) which is formed as a function of a control signal (Xactual), essentially linearly dependent upon the respective volumetric setting of the associated machine (1), and a desired value (Xdesired) which is the same for all pumps and is formed as an average value from all control signals (Xactual). <IMAGE>

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IPC 8 full level

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