

Title (en)
Total power controller

Title (de)
Summenleistungsregler und Druckmittler

Title (fr)
Dispositif de réglage de la puissance totale

Publication
EP 1304482 A3 20050907 (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.

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F04B 49/00; **F04B 49/08**

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F04B 49/00 (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP)
F04B 49/002 (2013.01); **F04B 49/08** (2013.01); **F04B 2205/06** (2013.01); **F04B 2205/061** (2013.01); **F04B 2205/062** (2013.01); **F04B 2205/18** (2013.01)

Citation (search report)
• [Y] EP 0561153 A1 19930922 - HYDROMATIK GMBH [DE]
• [YD] DE 3323278 A1 19850117 - HYDROMATIK GMBH [DE]
• [A] EP 0939225 A2 19990901 - BRUENINGHAUS HYDROMATIK GMBH [DE]
• [A] EP 0924427 A1 19990623 - BRUENINGHAUS HYDROMATIK GMBH [DE]
• [A] EP 0093916 A1 19831116 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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EP 1304482 A2 20030423; **EP 1304482 A3 20050907**; **EP 1304482 B1 20060830**; DE 10151401 A1 20030508; DE 50207984 D1 20061012; EP 1683969 A1 20060726

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