

Title (en)

Power control circuit for a plurality of hydrostatic variable displacement pumps

Title (de)

Leistungsregeleinrichtung für mehrere verstellbare Hydropumpen

Title (fr)

Dispositif de contrôle de puissance pour plusieurs pompes hydrostatiques à débit variable

Publication

EP 0939225 A3 20000614 (DE)

Application

EP 99103324 A 19990219

Priority

DE 19808127 A 19980226

Abstract (en)

[origin: EP0939225A2] The arrangement has a hyperbolic regulator which acts via a pivoting lever on a control pressure valve (10) and an engagement element (17) which can slide on the lever so that the lever arm, with which the engagement element engages the lever, can be varied, whereby the engagement element is subjected to the working pressures in the working lines (6, 7). Separate displacement devices (4, 5) are provided for each pump (2, 3). The regulator (1) is a separate valve unit. The control pressure valve (10) regulates a control pressure that is fed to the displacement device and to both pumps to adjust the delivery volume. The lever arm is fixed by a first control element (21) connected to the control pressure line. The control pressure valve is also acted upon by electromagnets.

IPC 1-7

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

IPC 8 full level

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

CPC (source: EP)

F04B 49/002 (2013.01); **F04B 49/08** (2013.01); **F04B 2205/16** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 203 (M - 0966) 25 April 1990 (1990-04-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 076 (M - 800) 21 February 1989 (1989-02-21)

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