

Title (en)

Pressure control circuit for more than one hydraulic pump with a pressure averager

Title (de)

Druckregelkreis für mehrere Hydropumpen mit Druckmittler

Title (fr)

Circuit de contrÔle de pression pour plusieurs pompes hydrauliques avec un transmetteur de pression moyenne

Publication

EP 0897062 A3 19991201 (DE)

Application

EP 98113906 A 19980724

Priority

DE 19735110 A 19970813

Abstract (en)

[origin: EP0897062A2] The pressure regulating device (1) has at least one setting device (6a,b) for setting the displacement volume of the hydro-pumps (2a,b) and a hydraulic regulator (30,11a,b,19a,b,20a,b) controlling the setting devices, provided with a pressure equaliser (30) coupled to the working line pressures (P1,P2) and having a source (33) employing an electromagnet, providing an electrical signal representing the mean pressure.

IPC 1-7

F04B 49/00; **F04B 49/12**

IPC 8 full level

F04B 49/00 (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)

F04B 49/002 (2013.01 - EP US); **F04B 49/12** (2013.01 - EP US); **F04B 2205/05** (2013.01 - EP); **F04B 2207/01** (2013.01 - EP)

Citation (search report)

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- [Y] EP 0144788 A1 19850619 - HYDROMATIK GMBH [DE]
- [DA] EP 0133870 A1 19850313 - HYDROMATIK GMBH [DE]
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- [A] EP 0610940 A1 19940817 - DAEWOO HEAVY IND CO LTD [KR]
- [A] BRUECKLE F.: "Energy efficient pumps and controls for multiple pump excavator circuits", PROCEEDINGS OF THE NATIONAL CONFERENCE ON FLUID POWER, vol. 34, 1981, Cleveland, Ohio, pages 77 - 103, XP002117376

Cited by

CN114934897A; EP1251277A3; FR2809140A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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