

Title (en)
VARIABLE DISPLACEMENT ELECTRO-HYDRAULIC PUMP

Title (de)
ELEKTROHYDRAULISCH VERSTELLBARE PUMPE

Title (fr)
POMPE ELECTRO-HYDRAULIQUE REGLABLE

Publication
EP 0832360 A1 19980401 (DE)

Application
EP 95913049 A 19950323

Priority
• DE 9500402 W 19950323
• DE 4410719 A 19940328

Abstract (en)
[origin: DE4410719A1] A variable displacement electro-hydraulic pump is operated in a closed loop position control circuit. The adjusting pistons at the adjusting member of the pump are controlled for that purpose by a control valve (20) that in turn is driven by a control amplifier (28). The adjustment path of the control valve and the adjustment path of the adjusting member of the pump are supplied as real values to this control amplifier (28). In addition, an adjusting signal that depends on the angle of rotation of the pump is generated at the control amplifier. This additional pulse-shaped adjusting signal allows the oscillating effects of the driving unit forces on the hydraulic fixation, as well as the resulting noises to be compensated.

IPC 1-7
F04B 49/08; **F04B 49/06**; **F04B 11/00**

IPC 8 full level
F04B 11/00 (2006.01); **F04B 49/06** (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP KR US)
F04B 11/00 (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US); **F04B 49/08** (2013.01 - EP KR US); **F04B 2201/0804** (2013.01 - EP US); **F04B 2201/1205** (2013.01 - EP US); **F04B 2205/16** (2013.01 - EP US)

Citation (search report)
See references of WO 9526470A1

Cited by
DE102008061828A1; US8429908B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4410719 A1 19951005; DE 59506814 D1 19991014; EP 0832360 A1 19980401; EP 0832360 B1 19990908; JP H09510764 A 19971028; KR 100329451 B1 20020905; KR 970701832 A 19970412; US 5879136 A 19990309; WO 9526470 A1 19951005

DOCDB simple family (application)
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