

Title (en)

Adjustment device for a variable displacement hydrostatic machine

Title (de)

Verstellvorrichtung zum Verstellen eines auf das Verdrängungsvolumen einer hydrostatischen Maschine einwirkenden Stellkolbens

Title (fr)

Dispositif de commande pour une machine hydrostatique à débit variable

Publication

EP 1217209 A3 20031203 (DE)

Application

EP 01128052 A 20011126

Priority

DE 10063526 A 20001220

Abstract (en)

[origin: EP1217209A2] The adjuster for the piston of a hydrostatic machine has the piston mounted between two pressure chambers with a return spring (8a,b). The cylinder pressure is regulated by a valve (2) with a control piston (17) actuated by a control for axial movement. The control force corresponds to the main piston position, the main piston having a return guide link (4) rigidly connected to it for linear movement on a spring casing (43) with a control spring (45).

IPC 1-7

F04B 1/32; F04B 49/00; F04B 49/10; F04B 49/08

IPC 8 full level

F04B 1/32 (2006.01)

CPC (source: EP)

F04B 1/32 (2013.01)

Citation (search report)

- [AD] DE 19540654 C1 19961219 - BRUENINGHAUS HYDROMATIK GMBH [DE]
- [A] US 3429225 A 19690225 - KEYWORTH ALBERT
- [A] DE 2913534 A1 19801016 - BOSCH GMBH ROBERT
- [A] US 4518321 A 19850521 - SCHNIEDERJAN REINHOLD [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 375 (M - 545) 13 December 1986 (1986-12-13)

Cited by

WO2014026791A1; WO2014026788A1; WO2014026789A1; CN104685155A; CN103573573A; DE102012214628A1; DE102012214696A1; DE102012214618A1; DE102013205455A1; WO2007017197A1; WO2013045182A1; DE102012214624A1; WO2014026922A2; DE102012214655A1; WO2014026790A1; DE102012214620A1; DE102012214698A1; DE102012214621A1; DE102012214626A1; DE102012214619A1; DE102012214622A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1217209 A2 20020626; **EP 1217209 A3 20031203**; **EP 1217209 B1 20070606**; DE 10063526 C1 20020711; DE 50112594 D1 20070719

DOCDB simple family (application)

EP 01128052 A 20011126; DE 10063526 A 20001220; DE 50112594 T 20011126