

Title (en)
Stroke 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 réglage de la course pour une machine hydrostatique à débit variable

Publication
EP 1219831 A3 20031203 (DE)

Application
EP 01128167 A 20011127

Priority
DE 10063525 A 20001220

Abstract (en)
[origin: EP1219831A2] The device is for the adjustment of a positioning piston (3) acting on the displacement volume of a hydrostatic machine, which is movable by the force of at least one setback spring (8a,8b) out of a predetermined neutral position between two end positions. It comprises a control valve (2) with a control piston (17) for regulating the positioning pressure in the positioning pressure chambers (7a,7b). The control piston, by means of control forces produced by control devices (38), is movable axially on both sides out of a neutral position. The control forces are countermanded by a force correlated with the movement of the positioning piston (3). In an axial direction, the control piston has first and second parts (18,19), which are so connected by a thruster (20) that a thrust force is transmittable in an axial direction from the one part to the other.

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F04B 1/32; **F04B 49/00**

IPC 8 full level
F04B 1/32 (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP)
F04B 1/324 (2013.01); **F04B 49/002** (2013.01)

Citation (search report)
• [AD] DE 19540654 C1 19961219 - BRUENINGHAUS HYDROMATIK GMBH [DE]
• [A] EP 0525507 A2 19930203 - HYDROMATIK GMBH [DE]
• [A] DE 2913534 A1 19801016 - BOSCH GMBH ROBERT

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CN105934585A; DE102017222355A1; CN104641110A; CN104685155A; DE102012214628A1; DE102012214696A1; DE102012214618A1; DE102012214624A1; WO2014026922A2; DE102012214655A1; WO2014026790A1; DE102012214620A1; DE102012214698A1; DE102012214621A1; DE102012214626A1; WO2014026791A1; WO2007017197A1; WO2015082321A1; DE102012214619A1; DE102012214622A1; WO2014026788A1; WO2014026789A1

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EP 1219831 A2 20020703; **EP 1219831 A3 20031203**; **EP 1219831 B1 20070606**; DE 10063525 A1 20020704; DE 10063525 B4 20050707; DE 50112595 D1 20070719

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