

Title (en)

ACTUATOR DEVICE AND AXIAL PISTON MACHINE

Title (de)

AKTOREINRICHTUNG UND AXIALKOLBENMASCHINE

Title (fr)

DISPOSITIF D'ACTIONNEMENT ET MACHINE À PISTON AXIAL

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Application

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Abstract (en)

[origin: WO2014026791A1] The invention relates to an actuator device comprising at least one actuator piston (2), with which two springs (11,12) and two electromagnets (18,19) are associated, said device being mechanically coupled to an adjustment device. The adjustment device can be hydraulically adjusted by the actuator piston (2) by means of the actuation of the electromagnets (18,19). The actuator device is equipped with a hydraulic centering device for the adjustment device that is designed as a pivoting adjustment device (4), in order to return the pivoting adjustment device (4) hydraulically to a central position when there is no current flowing through the electromagnets (18,19). An axial piston machine comprising a swashplate is also disclosed, said swashplate being adjustable by means of a control valve comprising an actuator device of this type.

IPC 8 full level

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