

Title (en)

ACTUATOR DEVICE AND AXIAL PISTON MACHINE

Title (de)

AKTOREINRICHTUNG UND AXIALKOLBENMASCHINE

Title (fr)

DISPOSITIF D'ACTIONNEMENT ET MACHINE À PISTON AXIAL

Publication

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Application

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Abstract (en)

[origin: WO2014026789A1] The invention relates to an actuator device comprising at least one actuator piston (82), with which at least one spring and two electromagnets (98,99) are associated, said device being mechanically coupled to an adjustment device (84). The adjustment device can be hydraulically adjusted by the actuator piston (82) by means of the actuation of the electromagnets (98,99). A pre-tensioned actuator spring (92) is associated with the actuator piston (82), the pre-tensioning force of said spring producing the rigid coupling of the actuator piston (82) to a coupling piston (89) in a force range lying below the pre-tensioning force. 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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