

Title (en)

METHOD AND DEVICE FOR ACTIVATING AN ACTUATOR ELEMENT IN A MOTOR SYSTEM FOR A MOTOR VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR INBETRIEBNAHME EINES STELLGLIEDS IN EINEM MOTORSYSTEM FÜR EIN KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MISE EN SERVICE D'UN ORGANE DE RÉGLAGE DANS UN SYSTÈME DE MOTEUR POUR UN VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2012116849A1] The invention relates to a method for operating a positioning actuator system (1) with an electronically commutated actuator drive (2) for driving an actuator element (5), having the following steps: non-volatile storage of a position information item of the actuator element (5) or of a rotor of the actuator drive (2) which was detected last as a reference position before the positioning actuator system (1) is switched off; - in the case of switching on of the positioning actuator system (1) retrieval of the reference position and actuation of the actuator drive (2) by energizing the actuator drive (2) in accordance with a space phasor which is dependent on the reference position. The object is to make available an improved method for releasing blockage of an actuator element or actuation after activation of a motor system with a maximum actuating torque. For positioning actuators with commutated motors such as, for example, synchronous motors.

IPC 8 full level

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