

Title (en)

ELECTROMAGNETIC ACTUATOR AS WELL AS ACTUATING SYSTEM

Title (de)

ELEKTROMAGNETISCHE STELLVORRICHTUNG SOWIE STELLSYSTEM

Title (fr)

DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE AINSI QUE SYSTÈME DE RÉGLAGE

Publication

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Application

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Abstract (en)

[origin: WO2017102271A1] The invention relates to an electromagnetic actuator device (1), in particular a traction device, having a stationary coil device (9), having a movably guided armature (2), in particular a traction armature, forming an actuating section (14), which armature can be axially adjusted along an adjusting axis (V) in response to an energizing of the coil device (9), as well as having a one-piece, pot-shaped yoke core element (3) accommodating the armature (2) and with a core section (5) a yoke section (6), with a yoke core base (4) extending perpendicular to the adjusting axis (V), and a yoke core casing extending perpendicular to the yoke core base (4) along the adjusting axis (V), wherein a longitudinal, reduced thickness transition area (8) is achieved between the core section (5) and the yoke section (6). According to the present invention, a guide pin (17) for the armature (2) is secured, in particular pressed, in a preferably central guide pin recess (18) in the yoke core base (4), which pin axially protrudes into a, preferably central, guide opening (13) of the armature (2), and relative to which the armature (2) can be adjusted during its adjusting movement.

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