

Title (en)

MONOSTABLE ELECTROMAGNETIC ACTUATOR DEVICE

Title (de)

MONOSTABILE ELEKTROMAGNETISCHE AKTUATORVORRICHTUNG

Title (fr)

DISPOSITIF ACTIONNEUR ÉLECTROMAGNÉTIQUE MONOSTABLE

Publication

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Application

EP 10779222 A 20101014

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- EP 2010006282 W 20101014

Abstract (en)

[origin: WO2011047801A1] The invention relates to a monostable electromagnetic actuator device, in particular a shift actuator device, comprising an armature unit, which has permanent magnet means (12) and an armature tappet (10, 18) in contact thereto and which can be driven to perform a control operation as a reaction to the supply of current to a stationary coil device (34, 42). According to the invention, the armature unit is provided and designed in such a way that the armature unit can be moved by means of magnetic repulsion from a first stop position that is stable without current to a second position that is unstable without current as a reaction to the supply of current, and the armature tappet unit has several parts in the axial direction, wherein a first armature tappet section (10) and a second armature tappet section (18) are coupled by means of a tensile force storage element (20), in particular a tension spring, in such a way that said first and second armature tappet sections can be moved relative to each other in the axial direction.

IPC 8 full level

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