

Title (en)  
ELECTROMAGNETIC ACTUATOR

Title (de)  
ELEKTROMAGNETISCHES STELLGLIED

Title (fr)  
ACTIONNEUR ÉLECTROMAGNÉTIQUE

Publication  
**EP 4254461 A1 20231004 (EN)**

Application  
**EP 22165825 A 20220331**

Priority  
EP 22165825 A 20220331

Abstract (en)

The invention relates to an electromagnetic actuator (1) for an electrical switching apparatus (2), the electromagnetic actuator (1) comprising an actuator housing (8) defining a longitudinal axis (9) and having an upper inner housing surface (15) and a lower inner housing surface (13), an armature (3) comprising ferromagnetic material and arranged within the actuator housing (8) axially movable between a first position and a second position, whereby the armature (3) in the first position contacts the upper inner housing surface (15) and in the second position contacts the lower inner housing surface (13), at least one electromagnetic coil (10, 11) coaxially arranged within the actuator housing (8) in respect to and for actuating the armature (3), and a damping element (16) arranged on a bottom end of the armature (3) facing the lower inner housing surface (13) or arranged on the lower inner housing surface (13) facing the bottom end of the armature (3).

IPC 8 full level  
**H01H 50/30** (2006.01); **H01F 7/08** (2006.01)

CPC (source: EP)  
**H01F 7/088** (2013.01); **H01F 7/1607** (2013.01); **H01H 50/30** (2013.01); **H01F 2007/1692** (2013.01)

Citation (search report)

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- [XI] JP S58155706 A 19830916 - KAMIYA DENSHI KOGYO KK
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

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