

Title (en)

Actuator, tripping device and switch

Title (de)

Aktuator, Auslösevorrichtung und Schalter

Title (fr)

Actionneur, déclencheur et interrupteur

Publication

**EP 2388793 A1 20111123 (EN)**

Application

**EP 10005318 A 20100521**

Priority

EP 10005318 A 20100521

Abstract (en)

The invention relates to an actuator for use in a tripping device or a switch, comprising a flat coil (2), a fixed power source (3) and a movable magnetic armature (4), whereby the fixed power source is constructed in such a way that the force exerted by the fixed power source (F<sub>s1</sub>) keeps the movable magnetic armature in a first position (5) spaced apart from the flat coil, whereby the flat coil is constructed in such a way that during current having at least a certain strength is flowing through the flat coil the attractive magnetic force (F<sub>m</sub>) exerted by the flat coil is larger than the force of the fixed power source to transfer the movable magnetic armature from the first position to a second position at or near the flat coil, whereby the movable magnetic armature is in the second position closer to the flat coil than in the first position. The invention further relates to a tripping device and a switch comprising a least one such actuator.

IPC 8 full level

**H01H 51/01** (2006.01); **H01H 71/32** (2006.01)

CPC (source: EP)

**H01H 51/01** (2013.01); **H01H 71/32** (2013.01); **H01H 1/20** (2013.01); **H01H 1/54** (2013.01); **H01H 50/60** (2013.01); **H01H 51/2209** (2013.01); **H01H 71/34** (2013.01); **H01H 2001/545** (2013.01)

Citation (search report)

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- [X] EP 1843375 A1 20071010 - ABB TECHNOLOGY AG [CH]
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- [A] WO 03030188 A1 20030410 - ABB PATENT GMBH [DE], et al

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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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