

Title (en)

Bistable manoeuvring device of a mobile shaft and battery cutout comprising such a device

Title (de)

Bistabile Stellvorrichtung einer beweglichen Welle und Batteriestromunterbrecher mit einer solchen Vorrichtung

Title (fr)

Dispositif de manoeuvre bistable d'un arbre mobile et coupe-circuit de batterie comprenant un tel dispositif

Publication

EP 1845547 A3 20090107 (FR)

Application

EP 07290424 A 20070406

Priority

FR 0603191 A 20060411

Abstract (en)

[origin: EP1845546A2] The device (100) has a core (30) made of a magnetic material and movably mounted in a frame (10). A displacement unit displaces the core in translation from a rear flange (40) to a front flange (90), and includes a bobbin (80) surrounding the core that is supplied by electric current for generating a magnetic field that produces tensile force of the core. A movable shaft (20) has a free end (20A) that is provided in axial support against the core. The core has a plane end surface that forms a support surface, and a stop is arranged on the shaft.

IPC 8 full level

H01H 50/20 (2006.01); **H01H 51/06** (2006.01); **H01H 51/08** (2006.01)

CPC (source: EP)

H01H 50/20 (2013.01); **H01H 51/065** (2013.01); **H01H 51/082** (2013.01)

Citation (search report)

- [DA] FR 2865313 A1 20050722 - DIAMECANS [FR]
- [DA] US 4293835 A 19811006 - DAVIS ROBERT K, et al
- [DA] EP 0099998 A1 19840208 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1845546 A2 20071017; **EP 1845546 A3 20090107**; EP 1845547 A2 20071017; EP 1845547 A3 20090107; FR 2899721 A1 20071012; FR 2899721 B1 20101105

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