

Title (en)

BISTABLE ELECTROMAGNETIC ACTUATOR WITH INTEGRATED LOCK

Title (de)

BISTABILER ELEKTROMAGNETISCHER AKTUATOR MIT INTEGRIERTEM SCHLOSS

Title (fr)

ACTIONNEUR ELECTROMAGNETIQUE BISTABLE A SERRURE INTEGREE

Publication

EP 1792326 B1 20090701 (FR)

Application

EP 05797072 A 20050919

Priority

- EP 2005054669 W 20050919
- FR 0410029 A 20040922

Abstract (en)

[origin: WO2006032649A1] The invention concerns an actuator comprising a fixed outer yoke (10), a mobile core (30) including a central shaft (39) extending along a longitudinal axis (X), a fixed field coil (20) surrounding the central cylinder (39) and a number N of fixed magnetic assemblies (23, 24) uniformly distributed about the longitudinal axis (X). Proximate to each end of the central cylinder (39), the core (30) comprises a number N of magnetic polar surfaces (33, 34) extending transversely to the axis (X). The core (30) is mobile in translation (T) along the axis (X) under the action of a current flowing through the coil (20) to drive mobile contacts of the switching device and the core (30) is mobile in rotation (R) by about 1/2N turn about the axis (X), without driving the mobile contacts.

IPC 8 full level

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CPC (source: EP)

H01H 50/32 (2013.01); **H01H 51/22** (2013.01); **H01H 89/08** (2013.01); **H01H 50/326** (2013.01); **H01H 51/2209** (2013.01); **H01H 51/2263** (2013.01)

Cited by

FR2999014A1; US9355803B2; WO2014087073A1

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DOCDB simple family (publication)

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