Title (en)

A bistable magnetic actuator for circuit breakers with electronic drive circuit and method for operating said actuator

Title (de)

Bistabiler magnetischer Betätiger, elektronischer Steuerkreis und Verfahren zum Betreiben eines solchen Betätigers.

Title (fr)

Actionneur bistable magnétique, circuit de commande électronique et procédé pour faire fonctionner cet actionneur

Publication

EP 1975960 A1 20081001 (EN)

Application

EP 07445013 A 20070330

Priority

EP 07445013 A 20070330

Abstract (en)

The invention relates to a drive system 20 for a circuit breaker. The drive system comprises an electromagnetic actuator 10 having a first coil 14, a second coil 15, and an armature 12 arranged to be movable between a first and a second end position by means of the coils 14, 15. In accordance with the invention both coils 14, 15 are energized simultaneously for effectuating the movement of the armature 12 between the two end positions. This is in contrast to the prior art, wherein the coils are energized one at a time; one coil for moving the armature to one of the end positions and the other coil for moving the armature to the opposite end position.

IPC 8 full level

H01H 33/66 (2006.01)

CPC (source: EP)

H01H 33/6662 (2013.01); H01F 7/1615 (2013.01); H01F 7/1872 (2013.01); H01H 47/226 (2013.01); H01H 51/2209 (2013.01)

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Designated contracting state (EPC)

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