

Title (en)
Electromagnetic actuator with movable coil

Title (de)
Elektromagnetischer Betätiger mit beweglicher Spule

Title (fr)
Actionneur électromagnétique à bobine mobile

Publication
EP 1655755 B1 20070926 (FR)

Application
EP 05110059 A 20051027

Priority
FR 0452555 A 20041108

Abstract (en)
[origin: EP1655755A1] The actuator has a moving vane (20) mechanically connected to a moving coil (30) and including an air gap surface for forming a magnetic air gap of thickness variable with an air gap surface corresponding to a fixed yoke (20). A residual magnetic air gap of constant thickness is formed by two airgap surfaces. An electric current controlling unit controls the position and the speed of the coil and the vane. An independent claim is also included for an electric switch device including an electromagnetic actuator.

IPC 8 full level
H01H 53/015 (2006.01)

CPC (source: EP)
H01H 53/015 (2013.01); **H01H 51/2209** (2013.01)

Cited by
JP2010519776A; CN103155058A; US7982567B2; FR2934923A1; FR2913142A1; KR101362009B1; EP2037476A1; US10320276B2; US9312058B2; WO2014056487A3; WO2012079572A3; WO2008107273A1; WO2010018030A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1655755 A1 20060510; EP 1655755 B1 20070926; AT E374429 T1 20071015; DE 602005002604 D1 20071108; DE 602005002604 T2 20080626; DK 1655755 T3 20080128; ES 2292074 T3 20080301; FR 2877762 A1 20060512; FR 2877762 B1 20070713

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