

Title (en)  
Electromagnetic actuator

Title (de)  
Elektromagnetischer Aktor

Title (fr)  
Actionneur électromagnétique.

Publication  
**EP 1420427 B1 20110615 (FR)**

Application  
**EP 03104052 A 20031103**

Priority  
FR 0214350 A 20021113

Abstract (en)  
[origin: EP1420427A1] The electromagnetic driver has a control circuit activating an excitation coil (20) with a central opening. There is a magnetic circuit with a fixed and moving part (19). The fixed part loops around the central opening several times.

IPC 8 full level  
**H01H 50/36** (2006.01)

CPC (source: EP)  
**H01H 50/36** (2013.01)

Cited by  
EP1952516A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1420427 A1 20040519; EP 1420427 B1 20110615**; AT E513304 T1 20110715; ES 2366433 T3 20111020; FR 2847071 A1 20040514; FR 2847071 B1 20041224

DOCDB simple family (application)  
**EP 03104052 A 20031103**; AT 03104052 T 20031103; ES 03104052 T 20031103; FR 0214350 A 20021113