

Title (en)  
Electromagnetic actuator and electrical contactor comprising such actuator

Title (de)  
Elektromagnetischer Aktuator und ein den Aktuator umfassender elektrischer Schalter

Title (fr)  
Actionneur électromagnétique et contacteur électrique comportant un tel actionneur

Publication  
**EP 2320438 B1 20120523 (FR)**

Application  
**EP 10354055 A 20100930**

Priority  
FR 0905335 A 20091106

Abstract (en)  
[origin: EP2320438A1] The actuator has a control unit providing a ring voltage during closing operation of the actuator, and a maintaining voltage during maintaining operation of the actuator in a closed position, to a control coil (3). The control unit has a maintaining voltage regulating unit (50) with a step down transformer (51) that step-downs the ring voltage for providing the intermediate voltage lower and proportional to the ring voltage. Another step down transformer (52) step-downs the intermediate voltage for providing the maintaining voltage that is lower and proportional to the intermediate voltage.

IPC 8 full level  
**H01F 7/18** (2006.01)

CPC (source: EP)  
**H01F 7/1805** (2013.01); **H01F 2007/1888** (2013.01)

Cited by  
US9786457B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2320438 A1 20110511; EP 2320438 B1 20120523**; CN 102054627 A 20110511; CN 102054627 B 20150211; ES 2384782 T3 20120712; FR 2952469 A1 20110513; PL 2320438 T3 20121031

DOCDB simple family (application)  
**EP 10354055 A 20100930**; CN 201010543553 A 20101108; ES 10354055 T 20100930; FR 0905335 A 20091106; PL 10354055 T 20100930