

Title (en)
Electromagnetic lock

Title (de)
Elektromagnetisches Schloss

Title (fr)
Verrou électromagnétique

Publication
EP 2196605 B1 20110928 (FR)

Application
EP 09179297 A 20091215

Priority
FR 0858592 A 20081215

Abstract (en)
[origin: EP2196605A1] The lock has an electromagnetic coil made of self bonding wire wound around a frame (30) made of insulating material, where the frame has a longitudinal axis. A bolt made of magnetizable material is guided in translation inside the frame. The frame has a longitudinal slot (34) extending along length of the frame. The frame has end flanges (36, 38) placed at an end. Each flange is formed of segments (40) circumferentially distributed in regular manner and graved in angular sector at an angle (teta) of less than 30 degrees. An independent claim is also included for a method of winding an electromagnetic coil.

IPC 8 full level
E05B 47/02 (2006.01); **E05C 1/02** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)
E05B 47/0002 (2013.01); **E05B 47/026** (2013.01); **E05C 1/02** (2013.01); **H01F 41/098** (2016.01); **E05B 47/0004** (2013.01); **E05B 2047/0074** (2013.01); **H01F 5/02** (2013.01); **H01F 7/1607** (2013.01)

Cited by
CN110259273A; CN111312511A

Designated contracting state (EPC)
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 2196605 A1 20100616; **EP 2196605 B1 20110928**; AT E526477 T1 20111015; FR 2939827 A1 20100618; FR 2939827 B1 20110107

DOCDB simple family (application)
EP 09179297 A 20091215; AT 09179297 T 20091215; FR 0858592 A 20081215