Title (en)

Electromagnetic lock

Title (de)

Elektromagnetisches Schloss

Title (fr)

Verrou éléctromagnétique

Publication

EP 2196605 A1 20100616 (FR)

Application

EP 09179297 A 20091215

Priority

FR 0858592 A 20081215

Abstract (en)

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.

Abstract (fr)

Verrou électromagnétique, par exemple pour vitrine. Le verrou comporte une bobine enroulée autour d'une carcasse (30) et à l'intérieur de laquelle un pêne en matériau magnétisable peut se déplacer en étant guidé en translation, la carcasse (30) présentant une fente longitudinale (34) s'étendant sur toute sa longueur.

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)

Citation (search report)

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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

Designated extension state (EPC)

AL BA RS

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