

Title (en)

Anti-remanence device for electromagnetic lock

Title (de)

Vorrichtung zur Aufhebung der magnetischen Remanenz für elektromagnetische Schlösser

Title (fr)

Dispositif anti-rémanence pour serrure électromagnétique

Publication

EP 2899343 B1 20181031 (FR)

Application

EP 15152125 A 20150122

Priority

- FR 1400153 A 20140124
- FR 1400578 A 20140310

Abstract (en)

[origin: US2015211270A1] Device forming an electromagnetic lock comprising an electromagnetic suction pad (3) comprising an electromagnet (4), a counter plate (1) and an electric circuit comprising a current source designed to supply at least one coil of the electromagnet of the electromagnetic suction pad with an electric magnetisation current to create an electromagnetic field and an associated electromagnetic force pinning the counter plate and the electromagnetic suction pad against one another to close the lock; switching means designed to cut off the supply of current; and anti-remanent means for dealing with the remanent electromagnetic force which remains when the switching means have disconnected the supply of current to the electromagnetic coil.

IPC 8 full level

E05C 19/16 (2006.01); **E05C 17/56** (2006.01); **H01F 7/18** (2006.01); **H01H 47/22** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP US)

E05C 17/56 (2013.01 - US); **E05C 19/166** (2013.01 - EP US); **H01F 7/1811** (2013.01 - EP US); **H01H 47/22** (2013.01 - US); **E05B 2047/0048** (2013.01 - EP US); **Y10T 292/11** (2015.04 - EP US)

Cited by

CN112349002A

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2899343 A1 20150729; **EP 2899343 B1 20181031**; ES 2709007 T3 20190412; FR 3016914 A1 20150731; FR 3016914 B1 20200424; PL 2899343 T3 20190531; US 10392840 B2 20190827; US 2015211270 A1 20150730

DOCDB simple family (application)

EP 15152125 A 20150122; ES 15152125 T 20150122; FR 1400578 A 20140310; PL 15152125 T 20150122; US 201514603507 A 20150123