

Title (en)

MAGNETO-MECHANICAL LOCKING DEVICE

Title (de)

MAGNETO-MECHANISCHE SCHLIESSEINRICHTUNG

Title (fr)

DISPOSITIF DE FERMETURE MAGNETO-MECANIQUE

Publication

EP 1608830 B1 20091021 (DE)

Application

EP 04721833 A 20040319

Priority

- EP 2004002883 W 20040319
- DE 10312269 A 20030319

Abstract (en)

[origin: US2006049645A1] A magneto-mechanical locking device for locking a door can be displaced in relation to a stationary frame. The locking device contains a locking element produced from a magnetizable material and disposed on the frame. The locking device further has a permanent magnet that is mounted on the door and can be twisted from a first release position, in which the locking element is subject to substantially no action of magnetic force, to a second locking position, in which the locking element is attracted by the action of magnetic force of the permanent magnet and locks the door.

IPC 8 full level

E05C 19/16 (2006.01); **E05B 63/20** (2006.01); **E05C 9/08** (2006.01)

CPC (source: EP US)

E05C 19/163 (2013.01 - EP US); **E05B 63/20** (2013.01 - EP US); **E05C 9/08** (2013.01 - EP US); **E05C 19/168** (2013.01 - EP US); **Y10S 292/60** (2013.01 - EP US); **Y10T 70/7057** (2015.04 - EP US); **Y10T 292/11** (2015.04 - EP US)

Cited by

EP3680426A1; DE102019100637A1; CN111885947A; CN111434877A

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2006049645 A1 20060309; **US 7267378 B2 20070911**; AT E446430 T1 20091115; AU 2004221673 A1 20040930; CA 2540421 A1 20040930; CN 100417784 C 20080910; CN 1777731 A 20060524; DE 10312269 A1 20040930; DE 502004010266 D1 20091203; EP 1608830 A1 20051228; EP 1608830 B1 20091021; WO 2004083578 A1 20040930

DOCDB simple family (application)

US 22979305 A 20050919; AT 04721833 T 20040319; AU 2004221673 A 20040319; CA 2540421 A 20040319; CN 200480010540 A 20040319; DE 10312269 A 20030319; DE 502004010266 T 20040319; EP 04721833 A 20040319; EP 2004002883 W 20040319