

Title (en)

Door closing device and method for opening a door closing device

Title (de)

Türschlossvorrichtung und Verfahren zum Öffnen einer Türschlossvorrichtung

Title (fr)

Dispositif de serrure de porte et procédé d'ouverture d'un dispositif de serrure de porte

Publication

EP 2474692 B1 20180620 (DE)

Application

EP 12000084 A 20120109

Priority

DE 102011008213 A 20110110

Abstract (en)

[origin: EP2474692A2] The device (11) has an electromechanical latch e.g. holding brake or rotating lock, and a handle (12) e.g. push rod or handle bar, for operating a lock (9). A bolt is provided for reverse-closing of closing latches (6, 6') by rotational movement. A force storage unit i.e. spring storage unit e.g. spiral spring, is arranged downstream of the handle to store force exerted on the handle. The storage unit is in effective connection with outlet side of the bolt such that the stored force is converted into torque acting on the bolt, where the latch is arranged downstream of the storage unit. An independent claim is also included for a method for opening a door closing device.

IPC 8 full level

E05B 47/06 (2006.01); **E05B 63/16** (2006.01); **E05B 65/10** (2006.01); **E05B 15/04** (2006.01); **E05C 9/18** (2006.01)

CPC (source: EP)

E05B 47/0669 (2013.01); **E05B 47/0676** (2013.01); **E05B 63/16** (2013.01); **E05B 65/1053** (2013.01); **E05B 2015/0448** (2013.01); **E05B 2047/0073** (2013.01); **E05B 2047/0076** (2013.01); **E05C 9/18** (2013.01)

Citation (opposition)

Opponent : dormakaba Deutschland GmbH

- WO 2004031517 A1 20040415 - YALE SECURITY INC [US], et al
- GB 2039588 A 19800813 - TINDAL M, et al
- GB 323357 A 19300102 - CLEMENT ANDERSON ELY
- EP 2390445 A2 20111130 - GEZE GMBH [DE]
- EP 2385194 A2 20111109 - GEZE GMBH [DE]
- EP 2385196 A2 20111109 - GEZE GMBH [DE]
- EP 2385197 A2 20111109 - GEZE GMBH [DE]
- EP 2385195 A2 20111109 - GEZE GMBH [DE]
- US 6431617 B1 20020813 - FISHER SYDNEY EDWARD [GB]
- DE 19807384 A1 19990826 - PAUL OBERHOLZ & SOEHNE SCHLOS [DE]
- EP 0579954 A1 19940126 - FUSS FRITZ GMBH & CO [DE]
- DE 69831688 T2 20060622 - DUBOIS IND CAHORS [FR]
- DE 20207283 U1 20020808 - GRUNDMANN BESCHLAGTECHNIK GMBH [AT]

Cited by

CN112863940A; EP2754794A3; CN110388137A; EP2998490A1; EP3219887A1; EP2754798A3; WO2015176695A1

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)

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DOCDB simple family (application)

EP 12000084 A 20120109; DE 102011008213 A 20110110; ES 12000084 T 20120109; PL 12000084 T 20120109