

Title (en)

Lock actuation device on doors or wings of a vehicle

Title (de)

Vorrichtung zur Betätigung von Schlössern an Türen oder Klappen von Fahrzeugen

Title (fr)

Dispositif d'actionnement des serrures pour portes ou ouvrants d'un véhicule

Publication

**EP 1617023 A3 20080521 (DE)**

Application

**EP 05009428 A 20050429**

Priority

DE 102004033735 A 20040713

Abstract (en)

[origin: EP1617023A2] A rotary catch (20) has a slot accommodating a locking pin and rotates about an axis (21). It has a sharp corner (23) engaging shoulders (33) on the pawl (30). A coil spring (40) has a first straight leg fastened (41) on the pawl and a second straight end fastened (42) to the vehicle bodywork. The spring has a toggle action. It may push the pawl away from the catch toward a fixed stop (14). The pivot point (31) for the pawl is situated near its bottom end, and a shoulder on the bottom end engages the sharp corner on the catch. In a second position, the top of the pawl is pushed toward the rotary catch, and the top shoulder engages the catch.

IPC 8 full level

**E05B 47/00** (2006.01); **E05B 65/32** (2006.01)

CPC (source: EP US)

**E05B 85/26** (2013.01 - EP US); **E05B 81/15** (2013.01 - EP US); **E05B 2015/0493** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Citation (search report)

- [A] EP 0285006 A2 19881005 - FIAT AUTO SPA [IT]
- [A] US 4971373 A 19901120 - HAMADA YOSHIKAZU [JP], et al
- [A] EP 1081321 A2 20010307 - KIEKERT AG [DE]
- [AD] DE 3801581 C1 19881013

Cited by

CN110249104A; FR2911897A1; CN103953230A; EP3604722A1; CN105569449A; WO2008095831A1; WO2018142210A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1617023 A2 20060118**; **EP 1617023 A3 20080521**; **EP 1617023 B1 20100630**; DE 102004033735 A1 20060209; DE 102004033735 B4 20060727; DE 502005009813 D1 20100812; US 2006012185 A1 20060119; US 7261339 B2 20070828

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