

Title (en)
Lock on wings or doors of a vehicle

Title (de)
Schloss an Klappen oder Türen von Fahrzeugen

Title (fr)
Serrure pour ouvrants ou portes d'un véhicule

Publication
EP 1617023 B1 20100630 (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 65/32 (2006.01); **E05B 47/00** (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)

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

Designated contracting state (EPC)
DE

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DE 102004033735 B4 20060727; DE 502005009813 D1 20100812; US 2006012185 A1 20060119; US 7261339 B2 20070828

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