

Title (en)

Opening and/or closing mechanism for doors, flaps or similar, in particular on vehicles

Title (de)

Öffnungs- und/oder Schließmechanismus an Türen, Klappen oder dgl., insbesondere an Fahrzeugen

Title (fr)

Mécanisme d'ouverture et/ou de fermeture sur des portes, des clapets ou analogues, notamment sur des véhicules

Publication

EP 2295681 B2 20150610 (DE)

Application

EP 10007602 A 20100722

Priority

- DE 202009010681 U 20090807
- DE 102009050905 A 20091024

Abstract (en)

[origin: US2011031767A1] An opening and/or closing mechanism on doors, gates/flaps or the like for a motor vehicle, with a lock (1) having a housing (2), in which there is arranged at least one retention element, which has a pawl (4) and a rotary latch (3), and with a closing element designed as a striker hoop, which is in operative connection with the lock (1) in the closed position, it being possible for the rotary latch (3) to be moved between a release position and a retention position, in which it catches the closing element, and the rotary latch (3) having at least one rotary latch section with at least one stop surface, and the pawl (4) having at least one pawl section with at least one stop surface, and, in the retention position, the stop surface of the rotary latch section and the stop surface of the pawl section touching in a contact region, and, in the event of deformation of the housing (2), the housing (2) being contacted at least partially by the retention element, in particular by a section of the rotary latch (3), in order to prevent the door from opening, wherein, in the event of deformation of the housing (2) in the retention position, at least one stop surface of a rotary latch section of the rotary latch (3) enters into a positive-locking connection with the housing (2).

IPC 8 full level

E05B 77/04 (2014.01); **E05B 77/54** (2014.01)

CPC (source: EP US)

E05B 77/02 (2013.01 - US); **E05B 77/04** (2013.01 - EP US); **Y10T 292/444** (2015.04 - EP US)

Citation (opposition)

Opponent :

- DE 19631262 A1 19980205 - BOSCH GMBH ROBERT [DE]
- DE 19631966 B4 20060330 - BROSE SCHLIESSSYSTEME GMBH [DE]
- EP 0860317 A2 19980826 - SCHMIDT GMBH R [DE]

Cited by

DE102012207443A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 202009010681 U1 20091217; CN 101994440 A 20110330; CN 101994440 B 20151021; DE 102009050905 A1 20110210; EP 2295681 A1 20110316; EP 2295681 B1 20121212; EP 2295681 B2 20150610; US 2011031767 A1 20110210; US 9347246 B2 20160524

DOCDB simple family (application)

DE 202009010681 U 20090807; CN 201010251079 A 20100809; DE 102009050905 A 20091024; EP 10007602 A 20100722; US 84943410 A 20100803