

Title (en)

SAFETY DEVICE FOR A MOTOR VEHICLE HAVING A ROTARY LATCH AND AN EJECTION SPRING

Title (de)

SICHERHEITSVORRICHTUNG FÜR EIN KRAFTFAHRZEUG MIT EINER DREHFALLE UND EINER AUSWURFFEDER

Title (fr)

DISPOSITIF DE SÉCURITÉ POUR UN VÉHICULE À MOTEUR COMPRENANT UN PÊNE PIVOTANT ET UN RESSORT D'ÉJECTION

Publication

EP 3394372 A1 20181031 (DE)

Application

EP 16813220 A 20161128

Priority

- DE 102015122583 A 20151222
- DE 2016100554 W 20161128

Abstract (en)

[origin: WO2017108022A1] The invention relates to a safety device (1) for a motor vehicle, which has a striker (2), a pawl, an ejection spring (9) for ejecting the striker (2), and a rotary latch (4), wherein the rotary latch (4) has an opening direction of rotation (7), a closing direction of rotation (8), an open position, and a main locking position, wherein the ejection spring (9) has a leg (27) and the leg (27) lies directly against the striker (2) in the main locking position of the rotary latch (4) and the leg (27) lies directly against the rotary latch (4) in at least one intermediate position of the rotary latch (4), in which the rotary latch (4) is between the main locking position and the open position.

IPC 8 full level

E05B 83/24 (2014.01)

CPC (source: EP KR US)

E05B 15/006 (2013.01 - US); **E05B 15/04** (2013.01 - US); **E05B 17/0037** (2013.01 - EP KR US); **E05B 83/24** (2013.01 - EP KR US); **E05B 2015/0486** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2017108022A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015122583 A1 20170622; CN 108603389 A 20180928; CN 108603389 B 20200602; EP 3394372 A1 20181031; EP 3394372 B1 20220420; KR 20180097655 A 20180831; US 11162276 B2 20211102; US 2019017291 A1 20190117; WO 2017108022 A1 20170629

DOCDB simple family (application)

DE 102015122583 A 20151222; CN 201680079995 A 20161128; DE 2016100554 W 20161128; EP 16813220 A 20161128; KR 20187020597 A 20161128; US 201616065146 A 20161128