

Title (en)
MOTOR VEHICLE DOOR LOCK

Title (de)
KRAFTFAHRZEUGTÜRSCHLOSS

Title (fr)
SERRURE DE PORTIÈRE DE VÉHICULE AUTOMOBILE

Publication
EP 3087236 B1 20180117 (DE)

Application
EP 14806165 A 20140926

Priority
• DE 102013016029 A 20130926
• DE 2014000483 W 20140926

Abstract (en)
[origin: WO2015043571A2] The invention relates to a motor vehicle door lock which is equipped with a locking mechanism, an actuating lever mechanism (1, 2), comprising at least one actuating lever (1) and a coupling lever (2), and finally at least one blocking element (3). The blocking element (3) ensures a mechanical connection between the actuating lever (1) and the coupling lever (2) during normal operation. In the event of acceleration forces (F) of a specified magnitude, for example during an accident, the blocking element (3) mechanically separates the actuating lever (1) and the coupling lever (2). According to the invention, a locking element (9) is provided in addition to the blocking element (3), said locking element acting on an actuating element (15) for the coupling lever (2) such that at least during an accident, the coupling lever (2) is not just mechanically separated from the actuating lever (1) but additionally assumes the "locked" position.

IPC 8 full level
E05B 77/06 (2014.01); **E05B 77/12** (2014.01)

CPC (source: CN EP US)
E05B 77/04 (2013.01 - CN); **E05B 77/06** (2013.01 - EP US); **E05B 77/12** (2013.01 - EP US); **E05B 77/36** (2013.01 - CN);
E05B 79/10 (2013.01 - US); **E05B 85/243** (2013.01 - US); **E05B 85/26** (2013.01 - US)

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)
DE 102013016029 A1 20150326; BR 112016006602 A2 20170801; CN 105765144 A 20160713; CN 105765144 B 20171222;
EP 3087236 A2 20161102; EP 3087236 B1 20180117; US 10494841 B2 20191203; US 2016265256 A1 20160915;
WO 2015043571 A2 20150402; WO 2015043571 A3 20150521

DOCDB simple family (application)
DE 102013016029 A 20130926; BR 112016006602 A 20140926; CN 201480064292 A 20140926; DE 2014000483 W 20140926;
EP 14806165 A 20140926; US 201415024410 A 20140926