

Title (en)
MOTOR VEHICLE LOCK

Title (de)
KRAFTFAHRZEUG-SCHLOSS

Title (fr)
VERROU DE VÉHICULE AUTOMOBILE

Publication
EP 4288629 A1 20231213 (DE)

Application
EP 22700455 A 20220113

Priority
• DE 102021102595 A 20210204
• DE 2022100024 W 20220113

Abstract (en)
[origin: WO2022167030A1] The invention relates to a motor vehicle lock, in particular a motor vehicle door lock, which is equipped with a locking mechanism (1, 2) essentially consisting of a rotary latch (1) and a pawl (2). Furthermore, an actuating lever chain (6, 7, 8, 9) for the locking mechanism (1, 2) is provided. The actuating lever chain (6, 7, 8, 9) has at least one actuating lever (6), a coupling element (7, 8), and a trigger lever (9) on the locking mechanism side. Furthermore, an inertia element (10) is also provided for acting on the coupling element (7, 8) at least in the event of a crash. According to the invention, the coupling element (7, 8) is disengaged during normal operation and is only engaged in the event of a crash by means of the inertia element (10).

IPC 8 full level
E05B 77/06 (2014.01); **E05B 77/12** (2014.01); **E05B 81/14** (2014.01)

CPC (source: EP US)
E05B 77/12 (2013.01 - EP US); **E05B 81/14** (2013.01 - US); **E05B 81/14** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021102595 A1 20220804; CN 116848310 A 20231003; EP 4288629 A1 20231213; US 2024084624 A1 20240314;
WO 2022167030 A1 20220811

DOCDB simple family (application)
DE 102021102595 A 20210204; CN 202280013342 A 20220113; DE 2022100024 W 20220113; EP 22700455 A 20220113;
US 202218262026 A 20220113