

Title (en)
MOTOR VEHICLE LOCK

Title (de)
KRAFTFAHRZEUG-SCHLOSS

Title (fr)
VERROU DE VÉHICULE AUTOMOBILE

Publication
EP 4133152 A1 20230215 (DE)

Application
EP 21718180 A 20210312

Priority
• CN 202010271844 A 20200408
• IB 2021052082 W 20210312

Abstract (en)
[origin: WO2021205251A1] The invention relates to motor vehicle lock comprising a locking mechanism which essentially consists of a rotary latch and a pawl, further comprising a drive (6, 7, 8) and a securing element (5). The drive (6, 7, 8) acts on the securing element (5) via a toothed rack element (9) that is equipped with a blocking element (10). According to the invention, the blocking element (10) is in the form of a tilting lever (10) defining at least two end positions of the toothed rack element (9).

IPC 8 full level
E05B 81/30 (2014.01); **E05B 15/00** (2006.01); **E05B 77/26** (2014.01); **E05B 77/28** (2014.01); **E05B 81/06** (2014.01); **E05B 81/36** (2014.01); **E05B 81/50** (2014.01)

CPC (source: CN EP KR US)
E05B 15/0053 (2013.01 - KR); **E05B 77/26** (2013.01 - CN KR); **E05B 77/28** (2013.01 - CN KR US); **E05B 81/06** (2013.01 - CN KR US); **E05B 81/16** (2013.01 - US); **E05B 81/30** (2013.01 - EP KR US); **E05B 81/34** (2013.01 - CN KR US); **E05B 81/36** (2013.01 - EP KR); **E05B 81/50** (2013.01 - KR); **E05B 83/36** (2013.01 - US); **E05B 85/00** (2013.01 - CN KR); **E05B 85/26** (2013.01 - US); **E05B 15/0053** (2013.01 - EP); **E05B 77/26** (2013.01 - EP); **E05B 77/28** (2013.01 - EP); **E05B 81/06** (2013.01 - EP); **E05B 81/50** (2013.01 - EP)

Citation (search report)
See references of WO 2021205251A1

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)
WO 2021205251 A1 20211014; CN 113494215 A 20211012; CN 113494215 B 20230324; EP 4133152 A1 20230215; EP 4133152 B1 20240124; JP 2023521373 A 20230524; KR 20220159472 A 20221202; US 2023128928 A1 20230427

DOCDB simple family (application)
IB 2021052082 W 20210312; CN 202010271844 A 20200408; EP 21718180 A 20210312; JP 2022561465 A 20210312; KR 20227039073 A 20210312; US 202117907580 A 20210312