

Title (en)

Motor vehicle lock

Title (de)

Kraftfahrzeugschloss

Title (fr)

Serrure de véhicule automobile

Publication

EP 2845972 A3 20160713 (DE)

Application

EP 14183273 A 20140902

Priority

DE 202013104118 U 20130910

Abstract (en)

[origin: CN104420741A] The invention relates to a vehicle locking member provided with a locking element latch and a stopping claw. The latch can swing to the opened position, the main closed position, and the necessarily pre-closed position around the axis of the latch. The vehicle locking member is arranged in the locking wedge entering direction. The stopping claw can be retrieved by an operation rod. A switchable locking assembly is provided, and the locking assembly is provided with a control rod capable of swinging around the axis of the control rod, and then the operation rod and the locking assembly can act together. The locking assembly is locked, when the operation rod is not used, and the locking assembly can be unlocked by the spring, after the operation rod is used. The pushing of the spring to unlock the locking assembly is behind the operation of the operation rod, which is determined by the inertia, when the operation speed of the operation rod is faster than the limit speed, and the axis of the control rod is arranged basically parallelly to the locking wedge entering direction.

IPC 8 full level

E05B 77/06 (2014.01); **E05B 77/04** (2014.01); **E05B 79/20** (2014.01); **E05B 81/06** (2014.01); **E05B 81/16** (2014.01); **E05B 83/36** (2014.01)

CPC (source: EP)

E05B 77/04 (2013.01); **E05B 77/06** (2013.01); **E05B 79/20** (2013.01); **E05B 81/06** (2013.01); **E05B 81/16** (2013.01)

Citation (search report)

- [A] US 6824177 B1 20041130 - NASS ULRICH [DE], et al
- [A] EP 2339098 A2 20110629 - BROSE SCHLIESSTSYSTEME GMBH [DE]

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CN105113874A; US11384571B2

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 202013104118 U1 20141215; CN 104420741 A 20150318; CN 104420741 B 20170412; EP 2845972 A2 20150311; EP 2845972 A3 20160713; EP 2845972 B1 20170816; ES 2641728 T3 20171113

DOCDB simple family (application)

DE 202013104118 U 20130910; CN 201410456824 A 20140910; EP 14183273 A 20140902; ES 14183273 T 20140902