

Title (en)

MOTOR VEHICLE LOCK WITH A POSITION SECURING SYSTEM

Title (de)

KRAFTFAHRZEUGSCHLOSS MIT POSITIONSSICHERUNG

Title (fr)

SERRURE DE VÉHICULE AUTOMOBILE AVEC BLOCAGE DE POSITION

Publication

**EP 3097244 A2 20161130 (DE)**

Application

**EP 15713630 A 20150115**

Priority

- DE 102014000680 A 20140122
- DE 2015100023 W 20150115

Abstract (en)

[origin: WO2015110119A2] The invention relates to a door lock or flap lock comprising a locking mechanism that has a rotary latch and a pawl for locking the rotary latch. Said type of lock is also described in DE 103 20 457 A 1. The aim of the invention is to provide a lock with a position securing system with low technical complexity. Said aim is achieved by a lock with a locking mechanism comprising a rotary latch and a pawl for locking the rotary latch. The lock comprises a position securing system for a locking or anti-theft device. A spring is used for securing the position. Said spring is embodied as a dual-acting clamping spring. A tilting mechanism tilts a slot thus securing the position of the slot if excessively accelerated. As a result, an undesired movement of the slot is inhibited and the position thereof is thus improved.

IPC 8 full level

**E05B 77/04** (2014.01); **E05B 77/06** (2014.01)

CPC (source: CN EP US)

**E05B 15/0053** (2013.01 - EP US); **E05B 15/04** (2013.01 - US); **E05B 77/04** (2013.01 - CN EP US); **E05B 77/06** (2013.01 - CN EP US); **E05B 81/06** (2013.01 - EP US); **E05B 15/0053** (2013.01 - CN); **E05B 77/28** (2013.01 - CN EP US); **E05B 81/06** (2013.01 - CN); **E05B 2015/041** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2015110119A2

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 102014000680 A1 20150723**; CN 106103869 A 20161109; CN 106103869 B 20190308; EP 3097244 A2 20161130; EP 3097244 B1 20180606; US 10526819 B2 20200107; US 2016348405 A1 20161201; WO 2015110119 A2 20150730; WO 2015110119 A3 20150917

DOCDB simple family (application)

**DE 102014000680 A 20140122**; CN 201580012480 A 20150115; DE 2015100023 W 20150115; EP 15713630 A 20150115; US 201515111918 A 20150115