

Title (en)
LOCK FOR AUTOMOTIVE VEHICLE WITH THREE POSITIONS

Title (de)
SCHLOSS FÜR KRAFTFAHRZEUG MIT DREI POSITIONEN

Title (fr)
SERRURE A TROIS POSITIONS POUR VEHICULE AUTOMOBILE

Publication
EP 3511496 B1 20200708 (FR)

Application
EP 18151018 A 20180110

Priority
EP 18151018 A 20180110

Abstract (en)
[origin: WO2019138013A1] The invention concerns an electric lock for a motor vehicle opening leaf, comprising a bolt, a pawl, a central opening lever, and an actuator intended to occupy three abutment positions capable of interacting with the central opening lever, said actuator comprising a driver comprising a toothed driving wheel and a coaxial driven wheel, the toothed driving wheel being capable of rotating the driven wheel by means of a first driving member and said driven wheel comprising a second driving member, a motor intended for driving the actuator, a central transfer lever able to be moved by the driven wheel of the driver by means of the second driving member and the movement of which is capable of being transmitted to the central opening lever in order to move the pawl into its retracted angular position, characterised in that one of the wheels of the driver comprises a first oblong slot in the shape of an arc of a circle and the other wheel comprises a first driving member extending through said first slot.

IPC 8 full level
E05B 81/14 (2014.01); **E05B 81/06** (2014.01); **E05B 81/34** (2014.01)

CPC (source: EP US)
E05B 15/004 (2013.01 - EP); **E05B 79/14** (2013.01 - US); **E05B 81/06** (2013.01 - EP US); **E05B 81/14** (2013.01 - EP);
E05B 81/16 (2013.01 - US); **E05B 81/34** (2013.01 - EP US); **E05B 81/46** (2013.01 - US)

Cited by
CN110847702A

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)
EP 3511496 A1 20190717; **EP 3511496 B1 20200708**; CN 111699295 A 20200922; CN 111699295 B 20220614; JP 2021510400 A 20210422;
JP 7294581 B2 20230620; US 11572717 B2 20230207; US 2020340277 A1 20201029; WO 2019138013 A1 20190718

DOCDB simple family (application)
EP 18151018 A 20180110; CN 201980012643 A 20190110; EP 2019050587 W 20190110; JP 2020538042 A 20190110;
US 202016926218 A 20200710