

Title (en)

LOCK WITH ASSISTED CLOSING DEVICE FOR A MOTOR VEHICLE

Title (de)

SCHLOSS MIT ZUZIEHEINRICHTUNG FÜR EIN KRAFTFAHRZEUG

Title (fr)

SERRURE DE VÉHICULE AUTOMOBILE MUNIE D'UN DISPOSITIF DE FERMETURE

Publication

EP 3699380 B1 20211027 (DE)

Application

EP 20162688 A 20180130

Priority

- DE 102017101703 A 20170130
- DE 102017101704 A 20170130
- EP 18703890 A 20180130
- DE 2018100070 W 20180130

Abstract (en)

[origin: WO2018137738A1] The object of the invention is a lock (1) for a motor vehicle, comprising a locking mechanism (2) composed of a rotary latch (3) and at least one pawl (4, 5), an assisted closing device (9), an electric drive, and a torque converter, wherein a variable torque is adjustable in the assisted closing device (9) by means of the torque converter, and wherein the assisted closing is achieved at least in some regions by means of a frictional connection (K).

IPC 8 full level

E05B 81/20 (2014.01); **E05B 81/66** (2014.01)

CPC (source: CN EP KR US)

E05B 81/20 (2013.01 - EP KR); **E05B 81/21** (2013.01 - CN US); **E05B 81/30** (2013.01 - US); **E05B 81/32** (2013.01 - US); **E05B 81/66** (2013.01 - CN EP KR US); **E05B 81/21** (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

DOCDB simple family (publication)

WO 2018137738 A1 20180802; CN 110234826 A 20190913; CN 110234826 B 20220304; CN 111364861 A 20200703; CN 111364861 B 20211102; EP 3574170 A1 20191204; EP 3574170 B1 20200812; EP 3699380 A1 20200826; EP 3699380 B1 20211027; JP 2020507027 A 20200305; JP 7087242 B2 20220621; KR 102557701 B1 20230720; KR 20190107139 A 20190918; US 2020040618 A1 20200206

DOCDB simple family (application)

DE 2018100070 W 20180130; CN 201880008948 A 20180130; CN 202010219033 A 20180130; EP 18703890 A 20180130; EP 20162688 A 20180130; JP 2019541062 A 20180130; KR 20197025430 A 20180130; US 201816481876 A 20180130