

Title (en)

VEHICLE DOOR LOCK WITH ANTI-NOISE SYSTEM

Title (de)

FAHRZEUGTÜRSCHLOSS MIT LÄRMSCHUTZSYSTEM

Title (fr)

SERRURE DE PORTIÈRE DE VÉHICULE AVEC SYSTÈME ANTI-BRUIT

Publication

**EP 3980616 A1 20220413 (EN)**

Application

**EP 20730031 A 20200603**

Priority

- IT 201900008172 A 20190605
- EP 2020065388 W 20200603

Abstract (en)

[origin: WO2020245222A1] The lock (100) comprises: a catch (3) and a pawl (4) hinged to an intermediate plate (1), and inserts (6) made of anti-noise material that is different from the material of the intermediate plate, disposed in the intermediate plate (1) around a first hole (F1) and a second hole (F2) of the intermediate plate. The inserts (6) are provided with an end (60) that protrudes from a first side (1a) of the intermediate plate to come in contact with the catch (3) and with the pawl (4), in such a way that, during their movement, the catch (3) and the pawl (4) slide on the ends (60) of the inserts, minimizing the noise.

IPC 8 full level

**E05B 77/36** (2014.01); **E05B 79/08** (2014.01); **E05B 81/66** (2014.01)

CPC (source: EP)

**E05B 77/36** (2013.01); **E05B 79/08** (2013.01); **E05B 81/66** (2013.01)

Citation (search report)

See references of WO 2020245222A1

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)

**WO 2020245222 A1 20201210**; EP 3980616 A1 20220413; EP 3980616 B1 20221116; PL 3980616 T3 20230320

DOCDB simple family (application)

**EP 2020065388 W 20200603**; EP 20730031 A 20200603; PL 20730031 T 20200603