

Title (en)
LOCK FOR MOTOR VEHICLES

Title (de)
SCHLOSS FÜR KRAFTFAHRZEUGE

Title (fr)
VERROU POUR VÉHICULES AUTOMOBILES

Publication
EP 4083354 A1 20221102 (EN)

Application
EP 22170056 A 20220426

Priority
IT 202100010625 A 20210427

Abstract (en)
Closing device adapted to close a door, tailgate, hatch, on one or more mutually distant closing points by actuating a retractable external handle forming a single block with the mechanism that converts the movement of the handle into actuation commands of one or more closing blocks. The device has the feature of preventing the engagement of the safety lock when the door is open.

IPC 8 full level
E05B 13/00 (2006.01); **E05B 79/12** (2014.01); **E05B 79/20** (2014.01); **E05B 83/44** (2014.01); **E05B 85/10** (2014.01); **E05B 85/12** (2014.01); **E05B 85/18** (2014.01); **E05B 85/24** (2014.01); **E05C 9/04** (2006.01)

CPC (source: EP)
E05B 13/005 (2013.01); **E05B 83/44** (2013.01); **E05B 85/103** (2013.01); **E05B 85/18** (2013.01); **E05B 85/245** (2013.01); **E05B 79/12** (2013.01); **E05B 79/20** (2013.01); **E05B 85/12** (2013.01); **E05C 9/043** (2013.01)

Citation (search report)

- [XA] US 8579337 B2 20131112 - HIDDING MATTHEW L [US], et al
- [XA] US 8881564 B2 20141111 - BURNS JAYDEN [US], et al
- [X] US 6708537 B1 20040323 - ESCHWEILER KEVIN PAUL [US], et al
- [X] DE 10063783 A1 20020711 - PAUL OBERHOLZ & SOEHNE SCHLOS [DE]
- [X] US 10815697 B1 20201027 - WEINERMAN LEE S [US], et al
- [X] US 10364593 B2 20190730 - ALEXANDER PAUL W [US], et al
- [X] EP 1302613 A1 20030416 - HAPPICH FAHRZEUG & IND TEILE [DE]

Cited by
WO2024136975A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4083354 A1 20221102; IT 202100010625 A1 20221027

DOCDB simple family (application)
EP 22170056 A 20220426; IT 202100010625 A 20210427