

Title (en)
REVERSIBLE-CLUTCH MORTISE LOCK

Title (de)
EINSTECKSCHLOSS MIT UMKEHRBARER KUPPLUNG

Title (fr)
SERRURE À MORTAISER À EMBRAYAGE RÉVERSIBLE

Publication
EP 3591149 A1 20200108 (EN)

Application
EP 18760797 A 20180212

Priority
• ES 201730274 A 20170301
• ES 2018070096 W 20180212

Abstract (en)
The invention relates to a reversible-clutch mortice lock that offers security features focused on preventing unauthorised manipulation of the lock and allows the operation of the lock to be changed quickly and simply by changing a single piece. The lock comprises a central follower (2), two lateral followers (9, 10) and a plurality of elements that allow the lateral followers (9, 10) to act on the central follower (2). This is a clutch system actuated by a motor (38) by means of a lever (34), a cam (27) and a pin (21), which causes points (24) to connect on the lateral followers (9, 10) situated on the central follower (2). To change the operation of the lock, a handling-selector piece (16) is connected to one of the lateral followers (9, 10).

IPC 8 full level
E05B 47/06 (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP IL KR RU)
E04H 4/10 (2013.01 - EP IL); **E05B 47/06** (2013.01 - IL RU); **E05B 47/0692** (2013.01 - EP IL); **E05B 63/0056** (2013.01 - EP IL);
E05B 63/04 (2013.01 - EP IL); **E05B 63/044** (2013.01 - IL KR); **E05B 63/08** (2013.01 - IL KR); **E05B 63/16** (2013.01 - EP IL);
E05B 2047/0024 (2013.01 - IL KR); **E05B 2047/0026** (2013.01 - IL KR); **E05B 2047/0031** (2013.01 - EP IL)

Cited by
WO2023166239A1

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)
EP 3591149 A1 20200108; **EP 3591149 A4 20200325**; **EP 3591149 B1 20210331**; AU 2018228797 A1 20190905; AU 2018228797 B2 20230202;
BR 112019017299 A2 20210302; BR 112019017299 B1 20231219; CL 2019002489 A1 20191220; CN 110536994 A 20191203;
CN 110536994 B 20210430; DK 3591149 T3 20210705; ES 2689376 A1 20181113; ES 2689376 B1 20190821; ES 2871198 T3 20211028;
IL 268759 A 20191031; IL 268759 B 20220701; KR 102386486 B1 20220414; KR 20190123769 A 20191101; PT 3591149 T 20210514;
RU 2739550 C1 20201225; WO 2018158476 A1 20180907

DOCDB simple family (application)
EP 18760797 A 20180212; AU 2018228797 A 20180212; BR 112019017299 A 20180212; CL 2019002489 A 20190829;
CN 201880015023 A 20180212; DK 18760797 T 20180212; ES 18760797 T 20180212; ES 201730274 A 20170301;
ES 2018070096 W 20180212; IL 26875919 A 20190818; KR 20197028800 A 20180212; PT 18760797 T 20180212; RU 2019130036 A 20180212