

Title (en)

REVERSIBLE FLAT KEY AND CYLINDER LOCK WITH REVERSIBLE FLAT KEY

Title (de)

UMKEHRBARER FLACHSCHLÜSSEL UND ZYLINDERSCHLOSS MIT UMKEHRBAREM FLACHSCHLÜSSEL

Title (fr)

CLÉ PLATE RÉVERSIBLE ET SERRURE À BARILLET DOTÉE D'UNE CLÉ PLATE RÉVERSIBLE

Publication

**EP 4063594 A1 20220928 (EN)**

Application

**EP 22157955 A 20220222**

Priority

IT 202100007208 A 20210324

Abstract (en)

Reversible flat key for a cylinder lock (2), where the lock (2) comprises a cylindrical stator (3) that has a plurality of counter pins (7), a cylindrical rotor (4) that has a plurality of pins (6), each pin (6) being configured and arranged to interact with a corresponding counter pin (7) to enable the rotation of the rotor (4), where the lance (11) of the key (1) has in each primary face thereof (14) a first flat longitudinal wall (16) and a second flat longitudinal wall (17) that is parallel and lowered with respect to the first wall (16), the first wall (16) having a series of encryption elements (19) that follow in the longitudinal direction of the lance (11), the encryption elements (19) being configured and arranged to interact with corresponding pins (6) of the rotor (4) to enable the rotation of the rotor (4), the second wall (17) being configured and arranged to cooperate with a corresponding special pin (20) of the rotor (4) to enable the rotation of the rotor (4) or to enable the complete insertion of the key (1) into the slit (8) of the rotor (4).

IPC 8 full level

**E05B 19/00** (2006.01); **E05B 27/00** (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP)

**E05B 19/0023** (2013.01); **E05B 19/0035** (2013.01); **E05B 19/0058** (2013.01); **E05B 27/0017** (2013.01); **E05B 27/0021** (2013.01); **E05B 35/003** (2013.01)

Citation (search report)

- [XYI] WO 0177466 A1 20011018 - KABA SCHLIESSSYSTEME AG [CH], et al
- [YA] WO 2006092779 A2 20060908 - HAMAFTEACH HAMISTOVEV LTD [IL], et al
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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

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