

Title (en)

A LOCK FOR A DOOR HAVING BIG HANDLES

Title (de)

SCHLOSS FÜR EINE TÜR MIT GROSSEN GRIFFEN

Title (fr)

SERRURE POUR PORTE AYANT DES POIGNÉES DE GRANDES DIMENSIONS

Publication

EP 2201201 A1 20100630 (EN)

Application

EP 08784605 A 20080627

Priority

- EP 2008005443 W 20080627
- IT TO20070671 A 20070925
- IT TO20070922 A 20071220

Abstract (en)

[origin: WO2009039905A1] A lock for a door (P) having big handles (M), formed of an outer unit (E) and an inner unit (I), the outer lock unit including a key cylinder (17) with web (18) and the inner lock unit including a key cylinder with web or a knob; wherein each inner and outer lock unit (I/E) comprises an intermediate member (3) housed in the cavity of the corresponding big handle (M) and suitable for sliding along the longitudinal direction of this big handle; the intermediate member (3) of the outer lock unit (E) comprises component parts (4) suitable for cooperating with the web (18) of the corresponding maneuver member; the intermediate member (3) of the inner lock unit (I) comprises two first toothings (5) located at the end portions of the intermediate member; the intermediate members (3) of both the lock units comprise a second toothing (6) located in the central portion of the intermediate member; the inner lock unit (I) comprises two bolt operating members (12) and two first toothed wheels (9); each first toothed wheel (9) meshes with one of the first toothings (5) of the corresponding intermediate member (3) and with one of the bolt operating members (12); each unit comprises a second toothed wheel (21) which meshes with the second toothing (6) of the corresponding intermediate member (3); and the lock comprises a rotary shaft (25) that mutually connects for the rotation the second toothed wheels (21) of the two lock units.

IPC 8 full level

E05B 65/00 (2006.01); **E05B 1/00** (2006.01); **E05C 9/00** (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP)

E05B 1/0015 (2013.01); **E05B 65/0025** (2013.01); **E05C 9/026** (2013.01); **E05C 9/041** (2013.01); **E05C 9/047** (2013.01); **E05B 63/0056** (2013.01); **E05B 63/143** (2013.01); **E05C 9/008** (2013.01); **E05C 9/021** (2013.01)

Citation (search report)

See references of WO 2009039905A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009039905 A1 20090402; EP 2201201 A1 20100630; RU 2010116345 A 20111110

DOCDB simple family (application)

EP 2008005443 W 20080627; EP 08784605 A 20080627; RU 2010116345 A 20080627