

Title (en)

Locking device for public telephone strongboxes

Title (de)

Verriegelungsvorrichtung für Schränke für öffentliche Telefone

Title (fr)

Dispositif de verrouillage pour coffres de téléphones publics

Publication

**EP 1785572 A2 20070516 (EN)**

Application

**EP 06380294 A 20061114**

Priority

ES 200502778 A 20051114

Abstract (en)

The invention relates to a locking device for public telephone strongboxes installed in a strongbox (1) which does not outwardly show any type of mechanism corresponding to its locking or to its hinging, the real locking mechanism being carried out in a gearmotor (6) transmitting its rotational movement to a shaft (12) acting on a catch (14) that is able to project to the outside a series of balls (15) acting as blocking means on a locking part (17) joined to the inner face of the door (2), such that when the gearmotor (6) rotates in one direction the door is blocked in a locked situation, whereas when it rotates in the opposite direction the balls (15) retract allowing the release of the locking part (17) and are retained in their housings by the axial movement of a retaining ring (18) that can be moved by a spring (19), the hinges (26) are assembled on complementary hooks (24) and stops (25) that are also hidden, such that in the locked situation the door (2) is fixed in four points that cannot be detected from the outside and are virtually impossible to force.

IPC 8 full level

**E05G 1/04** (2006.01); **E05B 47/00** (2006.01); **E05B 63/12** (2006.01); **G07F 9/06** (2006.01)

CPC (source: EP ES)

**E05B 15/0046** (2013.01 - ES); **E05B 17/2084** (2013.01 - ES); **E05B 47/0012** (2013.01 - EP); **E05B 63/121** (2013.01 - EP); **E05B 65/5207** (2013.01 - ES); **E05D 1/06** (2013.01 - EP); **E05D 7/14** (2013.01 - ES); **E05G 1/04** (2013.01 - ES); **G07F 9/06** (2013.01 - EP); **E05B 65/0075** (2013.01 - EP); **E05B 2047/0024** (2013.01 - EP); **E05D 7/14** (2013.01 - EP); **E05Y 2900/132** (2013.01 - EP)

Cited by

CN110056268A; CN111034377A; CN102041944A; CN102425353A; CN110821305A; CN103318009A; CN112315219A; CN102759376A; US11360506B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 1785572 A2 20070516**; **EP 1785572 A3 20081112**; **EP 1785572 B1 20111228**; AR 057571 A1 20071205; AT E539221 T1 20120115; BR PI0605416 A 20070904; ES 2284360 A1 20071101; ES 2284360 B1 20080901; ES 2380044 T3 20120508; GT 200600487 A 20090407; MA 28718 B1 20070702; PE 20070878 A1 20070923

DOCDB simple family (application)

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