

Title (en)
LOCKING DEVICE OF A DOOR

Title (de)
VERRIEGELUNGSVORRICHTUNG EINER TÜR

Title (fr)
DISPOSITIF DE VERROUILLAGE D'UNE PORTE

Publication
EP 2647788 A1 20131009 (EN)

Application
EP 13162521 A 20130405

Priority
KR 20120035348 A 20120405

Abstract (en)
Disclosed is a locking device of a door which can stably maintain a locking state of the door. The locking device of a door for opening and closing a storage space of an object includes: a safety plate provided on an inner surface of the door so as to be broken when a forced shock is applied from outside; an auxiliary locking part for constraining the door to the object when the safety plate is broken by the forced shock; a guide bracket including a rotating deformation portion which is rotated and deformed when the forced shock is applied from outside, for being provided so as to slidably move on the inner surface of the door; and a locking member fixed to the rotating deformation portion so as to slidably move together with the guide bracket and selectively constrain the door to the object, in which as the rotating deformation portion rotates on the guide bracket and applies pressure to the safety plate when the forced shock is applied to the locking member, the safety plate is broken, and the door is constrained to the object by the auxiliary locking part.

IPC 8 full level
E05G 1/04 (2006.01); **E05B 17/20** (2006.01); **E05B 65/00** (2006.01)

CPC (source: EP KR)
E05B 15/00 (2013.01 - KR); **E05B 17/20** (2013.01 - KR); **E05B 65/0082** (2013.01 - EP); **E05G 1/04** (2013.01 - KR)

Citation (search report)
• [X] EP 1555374 A1 20050720 - WINCOR NIXDORF INT GMBH [DE]
• [A] DE 20116334 U1 20011220 - WITTKOPP CARL GMBH CO KG [DE]

Cited by
CN103510792A

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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