

Title (en)

Incorrect operation safety lock device for sliding doors or windows

Title (de)

Sicherheitssperrvorrichtung zum Schutz vor unsachgemäßem Gebrauch für Schiebetüren oder -fenster

Title (fr)

Dispositif de verrouillage de sécurité anti-fausse manoeuvre pour portes ou fenêtres coulissantes

Publication

EP 2762662 A1 20140806 (EN)

Application

EP 14152794 A 20140128

Priority

IT BO20130044 A 20130131

Abstract (en)

An incorrect operation safety lock device for a sliding door or window (1) comprises: an intermediate block (11) operatively connected to an operating rod (7) at the point of connection between the rod (7) and a control handle (4); a contact element (12) slidably connected to the intermediate block (11) and projecting outwards from the front of a vertical upright (6) of the sash (2) the contact element (12) has a contact head (13) which, in use, abuts against a vertical upright (10) of the fixed frame (3) when the sash (2) is in the closed position, so as to allow the contact element (12) to withdraw towards the intermediate block (11); an elastic member (14) interposed between the contact element (12) and the intermediate block (11) for keeping the contact element (12) in a position where it protrudes from the intermediate block (11) when the sash (2) is in an open position; a plate (15) for locking the rod (7), housed in the intermediate block (11), associated with the contact element (12) and movable with the selfsame element (12) from a first operating position for locking the rod (7), where the plate (15) is received in a recess (16) formed in a counter plate (5) by which the handle (4) is fastened to the sash (2), and a second operating position for sliding the rod (7), where the plate (15) is away from the recess (16) in the counter plate (5) and which corresponds to the sash (2) closed position. [Figure 2]

IPC 8 full level

E05B 63/18 (2006.01)

CPC (source: BR EP)

E05B 63/185 (2013.01 - BR EP); **E05B 65/087** (2013.01 - BR); **E05C 9/02** (2013.01 - BR); **E05B 65/087** (2013.01 - EP); **E05C 9/02** (2013.01 - EP)

Citation (applicant)

- EP 1500761 A2 20050126 - MASTER SRL [IT]
- EP 1387029 A1 20040204 - GSG INT SPA [IT]
- EP 1686225 A2 20060802 - GSG INT SPA [IT]
- EP 1172506 A2 20020116 - ROTO FRANK EISENWAREN [AT]

Citation (search report)

- [A] GB 2241016 A 19910821 - MARSTON & CO LTD ALBERT [GB]
- [AD] EP 1387029 A1 20040204 - GSG INT SPA [IT]
- [AD] EP 1500761 A2 20050126 - MASTER SRL [IT]
- [AD] EP 1686225 A2 20060802 - GSG INT SPA [IT]
- [A] FR 2907484 A1 20080425 - CROISEE D S SA [FR]
- [AD] EP 1172506 A2 20020116 - ROTO FRANK EISENWAREN [AT]
- [A] FR 2953244 A1 20110603 - MAP MASSARD [FR]

Cited by

CN108868377A; JP2019065563A; CN111852187A

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 2762662 A1 20140806; **EP 2762662 B1 20170628**; BR 102014002369 A2 20141202; BR 102014002369 B1 20210803; CN 103967360 A 20140806; IT BO20130044 A1 20140801

DOCDB simple family (application)

EP 14152794 A 20140128; BR 102014002369 A 20140130; CN 201410097673 A 20140124; IT BO20130044 A 20130131