

Title (en)

LOCKING MECHANISM FOR A WINDOW OR DOOR

Title (de)

VERSCHLUSSMECHANISMUS FÜR EIN FENSTER ODER EINE TÜR

Title (fr)

MÉCANISME DE VERROUILLAGE POUR UNE FENÊTRE OU UNE PORTE

Publication

EP 3162993 A1 20170503 (EN)

Application

EP 16002232 A 20161018

Priority

BE 201505696 A 20151028

Abstract (en)

Locking mechanism for a window or door (1) with a movable leaf (3) affixed in a fixed frame (2) and which is to be operated by a lock (2) with at least one operating arm (9) that slides in and out, whereby the locking mechanism (5) comprises a locking rod (13), that is axially movable with the operating arm (9), with a locking pin (10) at its end to be able to lock the movable leaf (3) with respect to the fixed frame (2) in the closed position of the window or door (1), wherein the locking rod (13) is composed of a metal locking pin (10) that is axially movably affixed in a hollow guide profile (17), and which is connected or can be connected to an aforementioned operating arm (9) of the lock (8) by means of a connecting element (11) that is elastically compressible in the axial direction (X-X') and which is intended to be able to move the locking pin (10) axially between a locked position and an unlocked position by operating the lock (8).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 0955432 A2 19991110 - SURELOCK MCGILL LIMITED [GB]
- [A] EP 0457014 A2 19911121 - ZARGES LEICHTBAU GMBH [DE]
- [A] WO 2012003104 A1 20120105 - ADAMS RITE MFG [US]
- [A] US 5709111 A 19980120 - HENAO JOSE GABRIEL [US]
- [A] WO 9527115 A1 19951012 - VOLVO AB [SE], et al
- [A] EP 1521893 A1 20050413 - HUF HUELSBECK & FUERST GMBH [DE]
- [A] JP 2006103525 A 20060420 - PIOLAX INC

Cited by

EP3650621A1; EP4215702A1

Designated contracting state (EPC)

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BA ME

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