

Title (en)

Opening mechanism of slide assembly

Title (de)

Öffnungsmechanismus einer Schiebeanordnung

Title (fr)

Mécanisme d'ouverture d'un ensemble coulissant

Publication

EP 2532272 A1 20121212 (EN)

Application

EP 12150286 A 20120105

Priority

TW 100120292 A 20110609

Abstract (en)

The opening mechanism (16) includes a fixing member (18), a movable member (20), a locking member (22), a first resilient member (24) and a second resilient member (26). The fixing member (18) is fixed to a first rail (10) and has a guide portion (28), a stop (30) and a room (32). The movable member (20) is movably connected to the fixing member (18) and has a first leg (38), a second leg (40) and an engaging portion (44). The first leg (38) slidably contacts the guide portion (28) and the second leg (40) extends into the room (32). The locking member (22) is pivotably connected to a second rail (12) and includes a locking portion (54). The first and second resilient members (24, 26) respectively provide a force to a third rail (14) and the movable member (20). When the second rail (12) is forcibly pulled out relative to the first rail (10), the movable member (20) is moved and pivots an angle so that the locking portion (22) is disengaged from the engaging portion (44).

IPC 8 full level

A47B 88/04 (2006.01)

CPC (source: EP)

A47B 88/463 (2016.12)

Citation (applicant)

- US 5040833 A 19910820 - BRUNNERT EBERHARD [DE]
- US 7374261 B1 20080520 - WANG CHUN-PING [TW]

Citation (search report)

- [AP] EP 2371241 A1 20111005 - KING SLIDE WORKS CO LTD [TW]
- [A] US 7347515 B1 20080325 - LU CHUN-MIN [TW]
- [A] EP 2272400 A1 20110112 - HETTICH PAUL GMBH & CO KG [DE]

Cited by

US9756940B2

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)

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TW I421046 B 20140101

DOCDB simple family (application)

EP 12150286 A 20120105; ES 12150286 T 20120105; JP 2011007686 U 20111227; TW 100120292 A 20110609