

Title (en)

Operating device for hopper/awning window units and hopper/awning window unit comprising the same

Title (de)

Betriebsvorrichtung für Flügel-/Markisenfenstereinheiten und Flügel-/Markisenfenstereinheit mit der Betriebsvorrichtung

Title (fr)

Dispositif de commande pour unités de fenêtres à trémie/auvent et unité de fenêtre à trémie/auvent comprenant le dispositif de commande

Publication

EP 2522795 A1 20121114 (EN)

Application

EP 12167488 A 20120510

Priority

IT BO20110266 A 20110511

Abstract (en)

An operating device for a hopper/awning window unit, comprising an operating element (2) which can be associated with a locking mechanism (104) for the window unit (100) comprising a first mobile portion (2a) and means (3) for supporting the operating element (2) which can be associated with a mobile frame (102) at a channel (103) for keeping the operating element (2) connected to the mobile frame (102). The supporting means (3) comprise at least one connecting body (14, 54) fixed to the containment body (5) and comprising a portion with a smaller cross-section (14a, 54a) and a portion with a larger cross-section (14b, 54b) which form an undercut (15, 55) at least partly able to abut by resting on the plates (103d) of the lower wall (103c) of the channel (103), thus preventing the connecting body (14, 54) from passing through the slot (103a).

IPC 8 full level

E05B 9/08 (2006.01); **E05C 9/04** (2006.01); **E05C 9/10** (2006.01)

CPC (source: EP)

E05B 9/08 (2013.01); **E05C 9/041** (2013.01); **E05B 17/0012** (2013.01)

Citation (applicant)

- WO 2008065510 A2 20080605 - GSG INT SPA [IT], et al
- EP 2175095 A1 20100414 - SECURISTYLE LTD [GB]

Citation (search report)

- [X] WO 2007147503 A1 20071227 - MASTER SRL [IT], et al
- [X] DE 10045744 A1 20020328 - BOSCH GMBH ROBERT [DE]
- [X] DE 19813566 C1 19990923 - BOSCH GMBH ROBERT [DE]
- [X] FR 2518628 A1 19830624 - GEZE GMBH [DE]
- [X] EP 0665350 A1 19950802 - STEINBACH & VOLLMANN [DE]
- [A] DE 20020664 U1 20010301 - GRETSCH UNITAS GMBH [DE]
- [AD] EP 2175095 A1 20100414 - SECURISTYLE LTD [GB]
- [AD] WO 2008065510 A2 20080605 - GSG INT SPA [IT], et al

Cited by

WO2022023592A1

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 2522795 A1 20121114; **EP 2522795 B1 20150708**; IT BO20110266 A1 20121112

DOCDB simple family (application)

EP 12167488 A 20120510; IT BO20110266 A 20110511