

Title (en)

An improved closure means

Title (de)

Verbessertes Verschlusselement

Title (fr)

Elément de fermeture amélioré

Publication

**EP 2453090 A1 20120516 (EN)**

Application

**EP 11008544 A 20111025**

Priority

GB 201018004 A 20101025

Abstract (en)

A system to facilitate the opening and closure of an aperture such as a window, door, hatch or sunroof, closure of the aperture producing a weathertight seal, the system comprising: an aperture; a panel (10) for closing the aperture; a guide element (18) fixed proximate to the aperture; the guide element (18) defining a first direction of movement of the panel (10) from a first position in which it is juxtaposed with the aperture to a second position in which it is superposed with the aperture, and a second direction of movement of the panel (10) from the superposed position to a closed position in which the panel (10) seals the aperture; the panel (10) having one or more projections (13a and b) which slidably engage the guide element (18); a sliding block (17), the sliding block being slidably engaged with the guide element (18); the sliding block (17) being operably associated with at least one projection (13a) so as to urge the panel (10) from the juxtaposed position to the superposed position when the sliding block (17) is moved through a first range of movement in the first direction, and to urge the panel (10) from the superposed position to the closed position as the sliding block (17) is moved through a second, further range of movement, in the first direction.

IPC 8 full level

**E05D 15/06** (2006.01); **E05D 15/10** (2006.01); **E05D 15/56** (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP GB)

**E05D 15/10** (2013.01 - EP GB); **E05D 15/20** (2013.01 - GB); **E05D 15/56** (2013.01 - EP); **E05F 15/646** (2015.01 - EP);  
**E05D 2015/1028** (2013.01 - GB); **E05D 2015/1039** (2013.01 - EP); **E05Y 2201/638** (2013.01 - EP); **E05Y 2900/514** (2013.01 - EP);  
**E05Y 2900/55** (2013.01 - EP)

Citation (applicant)

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- US 2006225357 A1 20061012 - BORTOLUZZI GUIDO [IT]
- GB 1334171 A 19731017 - HUGHES AIRCRAFT CO

Citation (search report)

- [XYI] US 2006032140 A1 20060216 - ARIMOTO SHIGEKI [US], et al
- [XY] WO 2007139355 A1 20071206 - LEE KWANG-SEOK [KR]
- [AD] US 2009126279 A1 20090521 - KOPISH ANDREW J [US]
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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 2453090 A1 20120516**; GB 201018004 D0 20101208; GB 201118402 D0 20111207; GB 2485264 A 20120509

DOCDB simple family (application)

**EP 11008544 A 20111025**; GB 201018004 A 20101025; GB 201118402 A 20111025