

Title (en)

SLIDING DOOR OR WINDOW ASSEMBLY WITH A LOW BOTTOM SILL HEIGHT

Title (de)

SCHIEBETÜR ODER FENSTERANORDNUNG MIT NIEDRIGER BODENSCHWELLENHÖHE

Title (fr)

ENSEMBLE DE PORTE OU DE FENÊTRE COULISSANTE AVEC UNE FAIBLE HAUTEUR D'APPUI AU SOL

Publication

EP 3029247 A1 20160608 (EN)

Application

EP 15198315 A 20151207

Priority

DK PA201470766 A 20141205

Abstract (en)

A sliding door or window assembly (1) comprising: a frame (2) having a bottom sill (20), said bottom sill having a sealing surface (23), a sliding panel (4) moveable between an open position and a closed position, said sliding panel having a bottom sealing surface (31) which is sealed against the sealing surface (23) of the bottom sill (20) of the frame (2) in the closed position of the sliding panel (4) to provide a sealing interface between the bottom sill and the sliding panel, a track (3), a wagon (10) arranged to be displaceable along the track, and a displacement mechanism (12) connecting the sliding panel (4) and the wagon (10), said displacement mechanism arranged such that the sliding panel is displaceable with respect to the wagon in a direction having a vector component which is perpendicular to the plane of the sliding panel. The assembly further comprises a sealing plate (40) which in the closed position of the sliding panel is arranged between the wagon (10) and the sealing surface (23) of the bottom sill (20), is provided with an upper sealing surface (42) which establishes an upper sealing interface between the sealing plate (40) and the sliding panel (4) and which comprises a portion which is located above the uppermost edge (14) of the wagon (10) and is provided with a lower sealing surface (42) which establishes a lower sealing interface between the sealing plate (40) and the sealing surface (23) of the bottom sill (20) and which comprises a portion which is located below the uppermost edge (14) of the wagon (10). In this way, an assembly is provided with a much lower bottom sill height than prior art assemblies.

IPC 8 full level

E05D 15/10 (2006.01); **E06B 7/16** (2006.01)

CPC (source: EP)

E05D 15/1005 (2013.01); **E05D 15/1013** (2013.01); **E06B 7/22** (2013.01); **E05D 2015/1031** (2013.01); **E05Y 2201/11** (2013.01); **E05Y 2201/64** (2013.01); **E05Y 2800/12** (2013.01)

Citation (search report)

- [X] EP 0443307 A1 19910828 - LINDPOINTNER TORE [AT]
- [X] WO 2012057539 A1 20120503 - LG HAUSYS LTD [KR], et al
- [XPA] EP 2921635 A1 20150923 - ROTO FRANK AG [DE]

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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)

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