

Title (en)
REVERSIBLE WINDOW AND HINGE MECHANISM

Title (de)
UMKEHRFENSTER UND SCHARNIERMECHANISMUS

Title (fr)
FENÊTRE RÉVERSIBLE ET MÉCANISME DE CHARNIÈRE

Publication
EP 3409869 A1 20181205 (EN)

Application
EP 17173427 A 20170530

Priority
EP 17173427 A 20170530

Abstract (en)
A reversible and outwardly openable rabbeted window comprises a frame (10); a sash (20) with a laterally extending peripheral rabbet flange (25) which, in a closed position overlaps a portion of the frame; and two hinge mechanisms (30). Each hinge mechanism comprises; a pivot arm (36) with a first end being pivotally connected to the sash at a first pivot axis (36a) and a second end being pivotally connected to a first slide (35) at a second pivot axis (35b). The first slide is arranged linearly displaceable along a first guide (32) which is fixed to or made integral with the frame. A support member (37), with a first end is pivotally connected to the pivot arm (36) and a second end is pivotally connected to the frame. A second slide (34) is pivotally connected to an upper portion of the sash and arranged linearly displaceable along a second guide (31) which is fixed to or made integral with the frame. The support member (37) is pivotally connected to the pivot arm (36) by means of a distance member (38) such that the movement plane of the support member is laterally offset from the movement plane of the first pivot arm by a distance which is greater than the lateral extension of the rabbet flange (25). The pivot arm (36) is pivotally connected to the first slide (35) by means of a pivot mechanism (35b, 36b, 36c) which is arranged to allow the second end of the pivot arm (36) to move linearly relative to the second pivot axis (35b).

IPC 8 full level
E05D 15/44 (2006.01)

CPC (source: EP)
E05D 15/44 (2013.01); **E05Y 2800/744** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)
• EP 0542050 A1 19930519 - LAHMANN ERNST [DE]
• EP 1802837 B1 20110323 - WALCH GMBH [AT]
• US 5924244 A 19990720 - OHMAN HANS [SE]

Citation (search report)
• [XAY] WO 9709505 A1 19970313 - MILA HARDWARE & MACHINERY U K [GB], et al
• [YA] CH 702221 B1 20110531 - 4B FASSADEN AG [CH]
• [Y] GB 138174 A 19200205 - ANTIME MOTTEAU

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)
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