

Title (en)

Hinge assembly for tilt-and-turn window fixtures

Title (de)

Scharnierzusammenbau für Dreh-Kipp-Fensterbeschläge

Title (fr)

Ensemble de charnière pour ferrures de fenêtres oscillo-battantes

Publication

EP 1074687 A2 20010207 (EN)

Application

EP 00830508 A 20000719

Priority

IT FI990178 A 19990804

Abstract (en)

1. A hinge assembly for windows of the tilt-and-turn type, comprising a lower hinge body (1) to be fixed to a window frame (2) and a upper hinge body (3) to be fixed to the mobile portion (4) of the window as well as a hinge pin (5) engaging with respective hub portions (1a, 3a) of said lower and upper hinge bodies. The hub portion (3a) of upper hinge body (3) have a circular axial seat (9) for pivotally engaging a corresponding cylindrical portion (5a) of said pin. The pin comprises a shaped portion (5b) engaging with said hub portion (1a) of said lower hinge body (1) in a not rotatable way with respect to its own axis, but angularly displaceable therewithin on a plane containing said axis and perpendicular to the window plane. The pin further comprises an intermediate annular body (5c) acting as an abutment and placed between the shaped portion (5b) and the cylindrical portion (5a) and slidably abutting on a end of hub portion (1a) of the lower hinge body (1), the centre of rotation (C) of the angular displacement being located substantially at the other end thereof. <IMAGE>

IPC 1-7

E05D 15/52

IPC 8 full level

E05D 5/10 (2006.01); **E05D 15/52** (2006.01)

CPC (source: EP)

E05D 5/10 (2013.01); **E05D 15/5214** (2013.01); **E05D 2005/106** (2013.01); **E05Y 2900/148** (2013.01)

Cited by

EP1283321A3; FR3044698A1; EP1531226A3; CN101910536A; DE102008004356B4; EA017972B1; EP1531226A2; WO2009089883A1; EP1283321A2; EP1983133A1; WO2019235926A1

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