

Title (en)

A hinge for tilt and turn doors and windows

Title (de)

Scharnier für Drehkipptüren und Drehkippfenster

Title (fr)

Charnière pour portes et fenêtres oscillo-battantes

Publication

EP 1793071 A2 20070606 (EN)

Application

EP 06124614 A 20061123

Priority

IT BO20050727 A 20051130

Abstract (en)

A hinge for tilt and turn doors and windows (1) comprises a first, lower male hinge body (5) consisting of: a box element (6) that slots into a longitudinal groove (7) in the fixed frame (2) and has a longitudinal housing (8) for loosely accommodating a plate (9) rigidly attached to a bracket element (10) with a hinge pin (11) on which the bottom of the sash (3) pivots; the plate (9) and the box element (6) are coupled with each other in such a way as to allow the plate (9) to rock between a non-operative position in which the plate (9) is parallel to the box element (6) and an operative position in which the plate (9) is tilted outwards at an angle to the box element (6); the hinge pin (11) is rotatably linked, at (110) and at one end of it (11a), to the bracket element (10) by respective means (16) acting between the pin (11) itself and the bracket element (10) in such a way as to allow the pin (11) to be rotated between two operating limit positions through an angle (\pm) equal to 180° ; means (17) act between the hinge pin (11) and the bracket element (10) to stabilise the hinge pin (11) itself in one or the other of the operating limit positions.

IPC 8 full level

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CPC (source: EP)

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