

Title (en)
A hinge for tilt and turn doors and windows

Title (de)
Scharnier für Dreh-Kipptüren und Dreh-Kipfenster

Title (fr)
Charnières pour portes et fenêtres oscillo-battantes

Publication
EP 1793071 A3 20081001 (EN)

Application
EP 06124614 A 20061123

Priority
IT BO20050727 A 20051130

Abstract (en)
[origin: EP1793071A2] 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
E05D 15/52 (2006.01); **E05D 7/02** (2006.01)

CPC (source: EP)
E05D 7/02 (2013.01); **E05D 15/5214** (2013.01); **E05D 7/0423** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)
• [YD] EP 0478519 A1 19920401 - GIESSE SPA [IT]
• [YA] EP 0406914 A1 19910109 - GRETSCH UNITAS GMBH [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1793071 A2 20070606; **EP 1793071 A3 20081001**; **EP 1793071 B1 20111109**; AT E532930 T1 20111115; ES 2372407 T3 20120119; IT BO20050727 A1 20070601

DOCDB simple family (application)
EP 06124614 A 20061123; AT 06124614 T 20061123; ES 06124614 T 20061123; IT BO20050727 A 20051130