

Title (en)

An adjustable hinge for heavy doors and windows

Title (de)

Ein einstellbares Scharnier für schwere Türe und Fenster

Title (fr)

Une charnière réglable pour portes et fenêtres lourdes

Publication

**EP 1698752 B1 20141022 (EN)**

Application

**EP 06110044 A 20060216**

Priority

IT BO20050101 A 20050225

Abstract (en)

[origin: EP1698752A2] A hinge for door and window units, especially heavy door and window units comprising a fixed frame (1) and a mobile frame (2) whose profiles define respective longitudinal grooves (C1, C2) for fastening operating accessories. The hinge (3) comprises: a first male, or lower, hinge body (4) having a first cylindrical socket (4a) and a first flap (4b) that can be associated, through respective first fastening means (5), with the groove (C1) of the fixed frame (1); a second female, or upper, hinge body (6) having a second cylindrical socket (6a) and a second flap (6b) that can be associated, through respective second fastening means (7), with the groove (C2) of the mobile frame (2); a hinge pin (8) that can be housed in the two sockets (4a, 6a) and defining the axis of rotation (Z8) of the mobile frame (2). Third means (9) are also provided for fastening the first hinge body (4), acting at least between the first flap (4b) of the first body (4), in the vicinity of the first socket (4a), and the surface of the fixed frame (1) facing it. These third fastening means (9) can, in particular, be housed directly in the first socket (4a) of the first hinge body (4).

IPC 8 full level

**E05D 5/02** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)

**E05D 5/0223** (2013.01); **E05D 7/0423** (2013.01); **E05D 5/023** (2013.01); **E05D 5/0238** (2013.01); **E05D 7/0054** (2013.01); **E05D 7/1005** (2013.01); **E05D 11/0054** (2013.01); **E05D 11/04** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (examination)

EP 1223289 A2 20020717 - POLYMER ENGINEERING LTD [GB]

Cited by

EP1959078A3; DE202007001778U1; CN103032001A; EP2907949A1; EP3101208A1; JP2016075032A; WO2008155192A1; WO2011060835A1

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**EP 1698752 A2 20060906**; **EP 1698752 A3 20070919**; **EP 1698752 B1 20141022**; CN 1824916 A 20060830; ES 2527774 T3 20150129; IT BO20050101 A1 20060826

DOCDB simple family (application)

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