

Title (en)

A butt hinge for door and window fixtures.

Title (de)

Scharnier für Tür- und Fensterbeschläge.

Title (fr)

Charnière pour ferrures de porte et fenêtre.

Publication

EP 0616105 A1 19940921 (EN)

Application

EP 94830054 A 19940211

Priority

IT BO930042 A 19930212

Abstract (en)

A hinge pivot (5) can be secured to one of the two associated bosses (1,2) by means of a mechanical restraint (9) comprising a plunger (10), preferably a ball, freely accommodated in a radial socket (11) afforded by a lower part of the pivot (5) and opening onto its cylindrical surface; the plunger (10) is operated by an adjustment mechanism (12) comprising a screw (13) seated in the bottom end of the pivot (5) with the head (13t) accessible from externally of the relative boss (1,2), which, with the pivot (5) inserted, can be turned one way and the other to select a non-operative limit position in which the ball (10) lies completely within the socket (11), and an operative limit position in which the ball (10) emerges marginally from the socket, protruding beyond the surface of the pivot (5) and entering forcibly into contact with the inside wall of the boss (1,2). <IMAGE>

IPC 1-7

E05D 5/12

IPC 8 full level

E05D 5/12 (2006.01)

CPC (source: EP)

E05D 5/12 (2013.01); **E05D 5/121** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [A] US 3390419 A 19680702 - FOLTZ ROBERT E
- [A] US 3188686 A 19650615 - ORCUTT PAUL C
- [A] US 2780830 A 19570212 - KAMMERER JR ARCHER W
- [A] EP 0425794 A1 19910508 - SIEGENIA FRANK KG [DE]

Cited by

US7293329B2; EP1600588A1; EP2607584A3; US7162774B1; EP0750088A1

Designated contracting state (EPC)

DE ES FR GR IT PT

DOCDB simple family (publication)

EP 0616105 A1 19940921; **EP 0616105 B1 19960918**; DE 69400536 D1 19961024; DE 69400536 T2 19970306; ES 2080035 T1 19960201; ES 2080035 T3 19970116; GR 3021778 T3 19970228; IT 1266250 B1 19961227; IT BO930042 A0 19930212; IT BO930042 A1 19940812

DOCDB simple family (application)

EP 94830054 A 19940211; DE 69400536 T 19940211; ES 94830054 T 19940211; GR 960403171 T 19961127; IT BO930042 A 19930212