

Title (en)
Hinge for doors, windows and the like

Title (de)
Band für Türen, Fenster und dergleichen

Title (fr)
Penture pour portes, fenêtres et similaires

Publication
EP 0750088 A1 19961227 (DE)

Application
EP 96109661 A 19960617

Priority
DE 29510215 U 19950623

Abstract (en)
One hinge plate part (10) is fixed to the fixed frame, and the other hinge plate part (20), partly over it, is fixed to the window casement or door leaf part. The superimposed parts (2, 12) have cavities (3, 13) for the hinge plate journals determining the hinge axis and containing a journal (5). Clamps clamping the journal at right angles to its axis on the casement's or leaf's plane against the inner periphery of the cavity comprise a wedge (18) exerting force parallel to the journal's axial direction. The wedge is screwed (19) into an axially parallel groove (8) in the journal's peripheral surface, and has a radially outward pointing determinating surface (23). The opposite wedge surface (22) co-operates with the wedge groove's base surface (9) sloping in relation to the axis of the journal.

Abstract (de)
Das Band (100) für Türen, Fenster und dergleichen umfaßt mindestens zwei scharnierartig zusammenwirkende Bandteile (10,20), von denen eines (10) am feststehenden Rahmen und das andere teilweise darüber angeordnete (20) am Flügelrahmen befestigbar ist. In den übereinander angeordneten Bereichen (2,12) sind fluchtende, die Scharnierachse bestimmende Bandzapfenausnehmungen (3,13) für den Bandzapfen (5) vorgesehen. In einem Bandteil (20) sind Mittel (18) zur Verklemmung des Bandzapfens (5) senkrecht zu seiner Achse in der Flügelebene gegen den Innenumfang der Bandzapfenausnehmung (13) vorgesehen. <IMAGE>

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E05D 5/12

IPC 8 full level
E05D 5/12 (2006.01); **E05D 7/00** (2006.01); **E05D 7/04** (2006.01); **E05D 5/14** (2006.01)

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Citation (search report)
• [XAY] EP 0616105 A1 19940921 - GIESSE SPA [IT]
• [Y] US 2780830 A 19570212 - KAMMERER JR ARCHER W
• [Y] DE 3906802 A1 19900906 - BAARS RAINER [DE], et al
• [XA] DE 3406984 A1 19850829 - SCHARWAECHTER GMBH CO KG [DE]
• [X] US 2004561 A 19350611 - BECKER FREDERICK W, et al
• [X] DE 3532423 A1 19870312 - SCHARWAECHTER GMBH CO KG [DE]

Cited by
EP1098058A3; RU2503790C2; EP1098058A2

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