

Title (en)

Adjustable pivot bearing for windows, doors and the like able both to pivot about a vertical axis and tilt about a horizontal one.

Title (de)

Verstellbares Ecklager für Dreh-Kippflügel von Fenstern, Türen od. dgl.

Title (fr)

Palier d'angle ajustable pour vantaux oscillo-battants de fenêtres, portes ou similaires.

Publication

EP 0006440 A2 19800109 (DE)

Application

EP 79101559 A 19790522

Priority

DE 7818899 U 19780623

Abstract (en)

1. Adjustable corner mounting for side and top hung window or door units and the like with a bracket (11) which fits into a drill hole of the fixed frame designed to be screwed or bolted on the fixed frame by means of a bracket plate (1) and with at least one threaded member (8) projecting backwards through the bracket plate (1), which has a joint bolt pin (18) which can be tilted about the horizontal axis and which engages as a support into a link arranged on the unit in alignment with its lateral vertical axis (6-6) in such a manner that the bracket (11) can be adjusted using the threaded member (8) relative to the bracket plate (1) and at right angles to the plane of the fixed frame, characterised by the fact that the bracket plate (1) is fitted across the front with rigid projecting guide cams (5) which the bracket (11) embraces in a lock with guiding rocker arms (12) moulded on the back, that the threaded member (8) on the one hand only pivots in the bracket plate (1 ; Fig. 3), but cannot be adjusted, whilst on the other hand it engages axially relatively adjustably by rotation (11 ; Fig. 3), that the guide cams (5) are formed by two parallel pivots which project extend into the appropriate guide holes (12) in the bracket (11) whilst the threaded member (8) swivels between these pivots (5) in the bracket plate (1) and engages into the drill hole in the fixed frame (Figs. 2 and 3) by means of a projecting smooth one-piece extension shaft (9), and that the bracket plate (1) and bracket (11) above the guide holes (12) and guide cams (5) each have fastening holes (4, 13) through which the fastening bolts can be passed into the fixed frame (Fig. 4).

Abstract (de)

Ein Ecklager für Dreh-Kippflügel von Fenstern, Türen od. dgl. soll einerseits zur Erzielung einer hohen Tragfähigkeit über eine aufschraubbare Stützplatte am feststehenden Rahmen gehalten und zusätzlich über in einfache Bohrungen desselben eingreifende Tragbolzen oder -zapfen abgestützt werden. Andererseits soll aber der Flügel relativ zum Rahmen mindestens senkrecht zur Rahmenebene zwecks Regulierung des Dichtungsanpreßdruckes nachjustierbar sein. Um das zu erreichen, ist die Stützplatte mit parallel zur Achsrichtung des Justier-Gewindegliedes über ihre Vorderseite vorstehenden, starren Führungsnocken versehen, die ein Lagerbock mit rückseitig eingeformten Führungskulissen formschlüssig umgreift. Das Gewindeglied wird dabei einerseits entweder im Lagerbock oder aber in der Stützplatte drehbar, jedoch unverschiebbar gelagert, während es andererseits durch Drehung axial relativ verstellbar entweder in die Stützplatte oder in den Lagerbock eingreift.

IPC 1-7

E05D 15/52

IPC 8 full level

E05D 15/52 (2006.01)

CPC (source: EP)

E05D 15/5214 (2013.01); **E05Y 2900/148** (2013.01)

Cited by

FR2523196A1; FR2476198A1; DE3203321A1; DE3235177A1

Designated contracting state (EPC)

CH DE FR

DOCDB simple family (publication)

EP 0006440 A2 19800109; **EP 0006440 A3 19800123**; **EP 0006440 B1 19810805**; **EP 0006440 B2 19880504**; AT 382922 B 19870427; AT A356379 A 19860915; DE 2960569 D1 19811105; DE 7818899 U1 19781005

DOCDB simple family (application)

EP 79101559 A 19790522; AT 356379 A 19790514; DE 2960569 T 19790522; DE 7818899 U 19780623