

Title (en)

Fitting with suspension arm or projection arm for mounting a swinging wing or a tilt-and-turn wing

Title (de)

Beschlag mit Tragarm oder Ausstellarm zur Lagerung eines Drehflügels oder Dreh-Kippflügels

Title (fr)

Armature avec bras de suspension ou bras de projection pour le montage d'un volet tournant ou d'un volet oscillant-basculant

Publication

EP 1085155 A3 20020116 (DE)

Application

EP 00126989 A 19980421

Priority

- DE 29707358 U 19970423
- EP 98922755 A 19980421

Abstract (en)

[origin: US2002023396A1] A window sash (3) is mounted on a stationary frame (2) so as to be only rotatable about a horizontal axis but not tiltable using a lower corner bearing (5) such as is also used for turning-tilting fittings, and using an upper hinge bearing (9), which is connected to the sash via a support arm (11). The support arm (11) is sufficiently flexible in the vertical direction in order to be able to follow the vertical adjustment movements of the sash which are carried out at the corner bearing (5). Using a guide part (29a) engaging in the rabbet groove of the sash (3), the support arm (11) is guided vertically and is supported against motions perpendicular to the sash plane. For the left-right repositioning of the fitting, the support arm (11) is connected to the hinge bearing (9) by a turning bearing (69) turning about a horizontal axis, the turning bearing being configured in its radial direction so as to have spring elasticity, in order to be able to engage and disengage a locking projection (77,78) with the assigned locking recesses (75,76).

IPC 1-7

E05D 15/52

IPC 8 full level

E05D 15/52 (2006.01); **E05D 7/02** (2006.01)

CPC (source: EP US)

E05D 15/5205 (2013.01 - EP US); **E05D 7/02** (2013.01 - EP US); **E05Y 2900/148** (2013.01 - EP US)

Citation (search report)

- [A] DE 3702957 C1 19880511 - SIEGENIA FRANK KG
- [DA] EP 0421904 A1 19910410 - FERCO INT USINE FERRURES [FR]

Cited by

CN101498189A; EP2085548A1; US7996960B2; WO2009127527A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

US 2002023396 A1 20020228; US 6772480 B2 20040810; AT E214776 T1 20020415; AT E236330 T1 20030415; CA 2289287 A1 19981029; CA 2289287 C 20020409; DE 29707358 U1 19980827; DE 59803432 D1 20020425; DE 59807778 D1 20030508; EP 0977930 A2 20000209; EP 0977930 B1 20020320; EP 1085155 A2 20010321; EP 1085155 A3 20020116; EP 1085155 B1 20030402; ES 2174435 T3 20021101; ES 2192513 T3 20031016; US 6286262 B1 20010911; WO 9848136 A2 19981029; WO 9848136 A3 19990211

DOCDB simple family (application)

US 82799601 A 20010406; AT 00126989 T 19980421; AT 98922755 T 19980421; CA 2289287 A 19980421; DE 29707358 U 19970423; DE 59803432 T 19980421; DE 59807778 T 19980421; EP 00126989 A 19980421; EP 9802346 W 19980421; EP 98922755 A 19980421; ES 00126989 T 19980421; ES 98922755 T 19980421; US 42656999 A 19991022