

Title (en)

Fitting arrangement for tiltable wings of windows, doors or the like.

Title (de)

Ausstellvorrichtung für die Flügel von Fenstern, Türen od. dgl.

Title (fr)

Dispositif pour ouverture compas pour panneaux de fenêtres, portes ou similaires.

Publication

**EP 0403731 B1 19931110 (DE)**

Application

**EP 90104492 A 19900309**

Priority

- DE 3919970 A 19890619
- DE 8912421 U 19891019
- DE 9001629 U 19900213

Abstract (en)

[origin: EP0403731A1] A swivel device 10 is described for the wings 2 of windows, doors or the like, which consist of a bearing rail 11 to be fastened in the rebate 1' on the frame, of a holding rail 12 likewise engaging in the rebate 2' on the wing and of two links 6 and 7. Each of the links 6 and 7 is connected at least pivotably and unreleasably to the bearing rail 11 on the one hand and to the holding rail 12 on the other hand. <??>The simple fitting and removal of the wing 2 in relation to the fixed frame 1 is achieved in that at least the bearing rail 11 can be brought into releasable positive plug connection 24, 25 and 26, 27 with holders 13 and 14 mounted on the circumferential surface 1' of the rebate of the fixed frame 1 and can be secured in their position of engagement against these holders 13 and 14 by means of a bolt 26, 27". <IMAGE>

IPC 1-7

**E05D 15/52**; **E05D 15/30**

IPC 8 full level

**E05D 15/30** (2006.01); **E05D 15/52** (2006.01)

CPC (source: EP US)

**E05D 15/30** (2013.01 - EP US); **E05D 15/5205** (2013.01 - EP US); **E05D 15/5211** (2013.01 - EP US); **E05D 7/0054** (2013.01 - EP US); **E05D 7/0415** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/26** (2013.01 - EP US); **E05Y 2900/148** (2013.01 - EP US)

Cited by

CN106121413A; EP2604779A3; FR2769335A1; DE102010000675A1; EP2604779A2; DE102011088607A1; EP2740873A2; DE102012222213A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0403731 A1 19901227**; **EP 0403731 B1 19931110**; AT E97190 T1 19931115; CA 2019172 A1 19901219; DE 59003408 D1 19931216; DK 0403731 T3 19940328; ES 2047178 T3 19940216; FI 903068 A0 19900618; FI 91797 B 19940429; FI 91797 C 19940810; NO 176622 B 19950123; NO 176622 C 19950503; NO 901371 D0 19900326; NO 901371 L 19901220; US 4986028 A 19910122

DOCDB simple family (application)

**EP 90104492 A 19900309**; AT 90104492 T 19900309; CA 2019172 A 19900618; DE 59003408 T 19900309; DK 90104492 T 19900309; ES 90104492 T 19900309; FI 903068 A 19900618; NO 901371 A 19900326; US 53358990 A 19900605