

## Publication

**EP 0573819 A3 19940504**

## Application

**EP 93108072 A 19930518**

## Priority

DE 4218983 A 19920610

## Abstract (en)

[origin: EP0573819A2] In a window, door or the like with two wings installed directly next to one another, without a fixed mullion, in a fixed frame, each wing, at least on the rebate circumferential surface of the mutually adjacent spars, is equipped, in a stepped profile groove, with a fitting consisting of a cover rail and of an espagnolette guided longitudinally slidably under the latter. Locking studs or the like movable by the espagnolette of one fitting can be put into and out of locking engagement with locking plates 5 which are seated on the cover rail 12 of the other fitting 6. Provided in the cover rail 12 of the other fitting 6 are groups of recesses 13, 14 arranged distributed in a grid-like manner in the longitudinal direction thereof, and each recess group comprises, together with predetermined systematics, two different forms of recesses 13 and 14. One of these recess forms is designed as a long hole 14 which extends parallel to the longitudinal direction of the cover rail 12. The other recess form 13 is matched in its contour to the cross-section of material extensions or studs 15 on the rear side of the locking plates 5. The long-hole length of one recess form 14 is, in turn, coordinated with the centre distance 18 between two successive recesses 13 of the other recess form, and each long-hole recess 14 in the cover rail 12 is assigned, in the espagnolette located underneath it, a longitudinal slot, the length of which corresponds at least to the sliding travel of the espagnolette. Also, each locking plate 5 contains a longitudinal slot 17 which has substantially longer dimensions than the length of a long-hole recess 14 in the cover rail 12, there being used as a fastening means for the locking plate 5 a screw 16 which passes through the longitudinal slot 17 of the locking plate 5, any of the long-hole recesses 14 in the cover rail 12 and the respective longitudinal slot assigned to the latter and located in the espagnolette, towards the bottom of the stepped profile groove of the standing wing, whilst the material extensions 15 of the locking plate 5 can be engaged fixedly into the associated recesses 13 of the cover rail. <IMAGE>

## IPC 1-7

**E05C 9/20**; **E05B 9/00**; **E05C 9/06**; **E06B 3/88**

## IPC 8 full level

**E05B 9/00** (2006.01); **E05C 7/04** (2006.01); **E05C 9/00** (2006.01); **E05C 9/06** (2006.01); **E05C 9/18** (2006.01); **E05C 9/20** (2006.01); **E05C 9/24** (2006.01); **E06B 3/88** (2006.01); **E05B 15/02** (2006.01)

## CPC (source: EP)

**E05C 7/04** (2013.01); **E05C 9/004** (2013.01); **E05C 9/066** (2013.01); **E05C 9/1808** (2013.01); **E05C 9/185** (2013.01); **E05C 9/20** (2013.01); **E05C 9/22** (2013.01); **E05B 15/024** (2013.01)

## Citation (search report)

- [DY] EP 0128372 A2 19841219 - GRETSCH UNITAS GMBH [DE]
- [Y] DE 1966464 A1 19720817 - FRANK GMBH WILH
- [A] FR 2199337 A5 19740405 - SCHARER SOEHNE AG [CH]
- [A] US 1852854 A 19320405 - NORRING HOWARD D
- [A] US 3195171 A 19650720 - KLEIN ROBERT I
- [A] US 3060523 A 19621030 - BENHAM KENT W
- [A] EP 0100518 A2 19840215 - KOEMMERLING KUNSTSTOFF [DE]
- [A] DE 1272160 B 19680704 - BILSTEIN AUGUST FA
- [A] AT 381133 B 19860825 - WINKHAUS FA AUGUST [DE]

## Cited by

EP0786574A1; CN115680375A; US7004515B2; EP1245767A1; FR2822874A1; US2011204657A1; US9151094B2; EP1362972A1; FR2839739A1; EP1275798A1; FR2827329A1; EP0704592A1

## Designated contracting state (EPC)

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

## DOCDB simple family (publication)

**EP 0573819 A2 19931215**; **EP 0573819 A3 19940504**; **EP 0573819 B1 19961023**; AT E144584 T1 19961115; DE 4218983 A1 19931216; DE 4218983 C2 19990218; DE 59304250 D1 19961128

## DOCDB simple family (application)

**EP 93108072 A 19930518**; AT 93108072 T 19930518; DE 4218983 A 19920610; DE 59304250 T 19930518