

Title (en)

BUTT JOINT JUNCTION BETWEEN COLUMN AND CROSSBAR OF A SUPPORTING STRUCTURE OF OR FOR A FACADE WALL

Publication

**EP 0436869 A3 19920325 (DE)**

Application

**EP 90124300 A 19901215**

Priority

DE 4000770 A 19900112

Abstract (en)

[origin: EP0436869A2] The invention is based on a butt joint junction between the crossbar (2) and column (1) of a supporting structure of or for a façade wall (and/or related façade roof), comprising the columns which preferably run from top to bottom and the crossbars placed between them, preferably running horizontally, the columns and crossbars together forming areas for placing and holding wall fillings or windows, in which arrangement furthermore elongated insert parts in the form of connection elements (3) with insert pins (4) are provided, the connection elements slide in hollow chambers (5) in the crossbars and it is possible to displace the connection element and the crossbar relative to one another in the lengthwise direction of the hollow chamber, and the insert pin (4) extends in its fixed position beyond the end of the connection element on the column side and penetrates into the column. In order to create an easily manageable but secure connection between the crossbar and the column, intended to compensate for changes in length of the crossbars, it is provided that the insert pin (4) in the fixed position penetrates recesses or drilled holes (7, 8) of two column walls (6, 9) located behind one another and apart from one another in the direction of displacement, and that a releasable resilient device (14) to lock the insert pin to the column (1b) is provided. <IMAGE>

IPC 1-7

**E04B 2/96**

IPC 8 full level

**E04B 2/96** (2006.01); **E06B 3/964** (2006.01)

CPC (source: EP)

**E04B 2/965** (2013.01); **E06B 3/9642** (2013.01)

Citation (search report)

- [XD] DE 3539002 A1 19870521 - ELTREVA AG [CH]
- [Y] GB 2192016 A 19871231 - HUECK FA E
- [Y] DE 1709320 A1 19720727 - SCHOENINGER GMBH
- [A] FR 2585399 A1 19870130 - ARBAN [FR]
- [A] GB 2176217 A 19861217 - MACEY JAMES ALAN
- [A] GB 1256226 A 19711208 - ALUMINIUM SYST LTD
- [A] GB 2159230 A 19851127 - SCHUERMANN & CO HEINZ
- [A] DE 8603790 U1 19860515
- [AD] DE 3741043 C1 19881006 - WIELAND WERKE AG

Cited by

EP1380701A1; EP0722023A3; CN103255862A; EP0799945A1; CN102776972A; CN105019585A; CN109113244A; EP0526873A1; US5363625A; FR2764966A1; CN107859218A; CN102644328A; CN113586565A; EP0844341A1; GR1003933B; CN103883050A; GB2292955A; GB2292955B; CN102425254A; EP0790363A3; CN112095871A; CN108222340A; CN112360026A; CN113123549A; WO2013091318A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0436869 A2 19910717; EP 0436869 A3 19920325; EP 0436869 B1 19960710;** AT E140287 T1 19960715; DE 4000770 A1 19910718; DE 59010415 D1 19960814

DOCDB simple family (application)

**EP 90124300 A 19901215;** AT 90124300 T 19901215; DE 4000770 A 19900112; DE 59010415 T 19901215