

Title (en)

Coupling device for a tightened assembly of two tubular profile members which are cut at a certain angle.

Title (de)

Verbindungsstück für das Zusammenspannen zweier, unter einem gewissen Winkel abgeschnittener Hohlprofile.

Title (fr)

Pièce de jonction permettant d'assembler par rapprochement deux profilés tubulaires coupés à un angle donné.

Publication

EP 0235039 A1 19870902 (FR)

Application

EP 87400387 A 19870223

Priority

FR 8602498 A 19860224

Abstract (en)

1. Junction piece for joining by bringing them together, two tubular (14-14') cut with a predetermined angle, comprising a double square (1) with knobs (10), a symmetrical exterior one (2), truncated on the corner and having spacing means (4) defining a tightening direction, the symmetrical interior other (5), truncated on the corner for supporting said spacing means (4), each branch of the double square being received in the tubular cavity (15-15') of the corresponding beam (14-14') of which the external wall presents an aperture (18-18') into which can penetrate the associated knob for the bringing together and the joining of said beams, the exterior square (2) having internal facets near the end each of its branches (7), the plane of said facets being substantially parallel with the tightening direction (8), the interior square (5) being rigid and in contact by its free ends with said facets, each branch of the double square having a knob (10) projecting from the external face (12) of the exterior square (2), the bearing contact with the external wall of the associated tubular cavity being ensured by said external face (12) of the exterior square (2), characterized in that the exterior square is equally rigid and the interior square (5) has a boss (11) projecting on its internal face (13), ensuring a bearing contact with the internal wall of the tubular cavity, the range of movement of the interior square (5) within the exterior square (2) being upwardly limited by a recess lip (20) provided at the end of each branch (7) of the exterior square (2).

Abstract (fr)

L'invention concerne une pièce de jonction du type comportant une double équerre à pions, l'une extérieure symétrique recevant une vis d'écartement, l'autre intérieure symétrique, est tronquée sur l'angle pour l'appui de ladite vis d'écartement. Conformément à l'invention, l'équerre extérieure (2) est rigide et présente des facettes internes (6) sensiblement parallèles à l'axe de serrage (8), l'équerre interne (5), également rigide, étant en contact par ses extrémités libres avec lesdites facettes ; cette branche de la double équerre présente un pion (10) saillant de la face externe (12) de l'équerre extérieure (2), et un bossage (11) saillant de la face interne (13) de l'équerre intérieure (5), le contact d'appui avec les parois de la cavité tubulaire du profilé correspondant étant alors assuré par ladite face externe (12) et ledit bossage (11). Application notamment à la réalisation de cadres de panneaux, portes, fenêtres ou volets.

IPC 1-7

E06B 3/96; **F16B 7/04**

IPC 8 full level

E06B 3/98 (2006.01)

CPC (source: EP)

E06B 3/982 (2013.01)

Citation (search report)

- [A] BE 692401 A 19670616
- [A] US 3848390 A 19741119 - ANDERSON W, et al
- [AD] FR 2429350 A1 19800118 - SODIAL [FR]

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