

Title (en)

Assembling device for construction wood pieces.

Title (de)

Verbindungsvorrichtung für Bauholzteile.

Title (fr)

Dispositif d'assemblage de pièces de bois de construction.

Publication

**EP 0284494 A1 19880928 (FR)**

Application

**EP 88400624 A 19880316**

Priority

FR 8703768 A 19870317

Abstract (en)

The device comprises a substantially plane plate (3) placed between two pieces (1,2) to be assembled and comprising an array of cylindrical rings (4) having circular cross-section, extending on either side of its plane, distributed so as to prevent horizontal and vertical shearing of the pieces (1,2) and being inserted, in the assembly position, into the conjugate-shaped recesses (5) provided over the faces (6,7) of the said pieces (1,2) to be assembled. A set of bolts (8), the number of which is less than the number of rings (4) of the plate (3), pass through the said pieces (1,2) to be assembled and the plate (3), preferably in holes (9) which are concentric with at least some of the rings (4). Application: production of frameworks and trusses. <IMAGE>

Abstract (fr)

Le dispositif comprend une plaque (3) sensiblement plane, placée entre deux pièces (1, 2) à assembler, et comportant un ensemble d'anneaux (4) cylindriques à section transversale circulaire, s'étendant de part et d'autre de son plan répartis de façon à éviter le cisaillement horizontal et vertical des pièces (1, 2), et venant s'insérer, en position d'assemblage, dans des évidements (5) de forme conjuguée prévus sur les faces (6, 7) desdites pièces (1, 2) à assembler ; un ensemble de boulons (8) dont le nombre est inférieur au nombre d'anneaux (4) de la plaque (3), et qui traversent lesdites pièces (1, 2) à assembler et la plaque (3) de préférence dans des trous (9) concentriques à au moins certains anneaux (4). Application : réalisation de charpentes et de fermes.

IPC 1-7

**E04B 1/48**; **E04C 3/42**; **E04C 3/18**

IPC 8 full level

**E04B 1/48** (2006.01); **E04C 3/18** (2006.01); **E04C 3/42** (2006.01)

CPC (source: EP)

**E04B 1/48** (2013.01); **E04C 3/18** (2013.01); **E04C 3/185** (2013.01); **E04C 3/42** (2013.01)

Citation (search report)

- [AD] DE 880052 C 19530618 - HAHNDORF & WUCHERPFENNIG
- [AD] US 1902380 A 19330321 - JACOB SEGER
- [AD] DE 729692 C 19421221 - HAHNDORF & WUCHERPFENNIG
- [AD] GB 143869 A 19200930 - BERTHA VOSS
- [A] US 2283943 A 19420526 - MYER JAMES E
- [A] US 1365011 A 19210111 - FREDRICK WATT

Cited by

FR2931525A1; US2012011805A1; JP2018091137A; JP2019196603A; US8910455B2; US8820033B2; FR2785314A1; US10829926B2; WO2018074483A1; WO0055445A1; WO2011115713A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

**EP 0284494 A1 19880928**; **EP 0284494 B1 19910904**; AT E66992 T1 19910915; DE 3864552 D1 19911010; ES 2026262 T3 19920416; FR 2612542 A1 19880923; FR 2612542 B1 19920612

DOCDB simple family (application)

**EP 88400624 A 19880316**; AT 88400624 T 19880316; DE 3864552 T 19880316; ES 88400624 T 19880316; FR 8703768 A 19870317