

Title (en)

Process for the connection of timber elements and connection device for them.

Title (de)

Verfahren zum Verbinden von Holzteilen und Verbindung von Holzteilen.

Title (fr)

Procédé pour liaison des éléments en bois et élément de liaison des éléments en bois.

Publication

**EP 0476638 B1 19950426 (DE)**

Application

**EP 91115915 A 19910919**

Priority

DE 4029726 A 19900920

Abstract (en)

[origin: EP0476638A2] To produce a tension- and shear-resistant connection of two beams, in particular in the form of glued laminated timber members, with mutually crossing grains of the two beams to be connected, in a process for the connection of such timber elements a bore is produced through the face of the cross-cut end of the first beam and a spindle made of metal and equipped with a thread is bonded into the bore by means of epoxy resin, an end portion of the spindle projecting above the face. On connecting the two beams, the end portion of the spindle reaches through a corresponding bore in the second beam, at the end of which is formed a counterbore for receiving a nut which can be screwed onto the end of the spindle. A ring made of metal is arranged in the connection plane of the two beams concentrically to the spindle in such a way that one ring half extends into an annular groove in the face of the first beam and the other ring half extends into a corresponding annular groove in the contact face of the second beam. After tightening the nut on the spindle, a tension- and shear-resistant connection of the beams is produced. <IMAGE>

IPC 1-7

**E04B 1/26**

IPC 8 full level

**E04B 1/26** (2006.01); **E04B 1/48** (2006.01)

CPC (source: EP)

**E04B 1/48** (2013.01)

Cited by

NL1028126C2; CZ302525B6; US7849647B2; WO2022212861A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0476638 A2 19920325; EP 0476638 A3 19920527; EP 0476638 B1 19950426**; AT E121810 T1 19950515; DE 4029726 A1 19920326; DE 59105305 D1 19950601; DK 0476638 T3 19951002

DOCDB simple family (application)

**EP 91115915 A 19910919**; AT 91115915 T 19910919; DE 4029726 A 19900920; DE 59105305 T 19910919; DK 91115915 T 19910919