

Title (en)
WOODEN BEAMS WITH SECTIONS THAT ARE SUBJECTED TO TRANSVERSAL TENSION

Title (de)
TRÄGER AUS HOLZ MIT AUF QUERZUG BELASTETEN ABSCHNITTEN

Title (fr)
POUTRE EN BOIS DOTÉE DE SEGMENTS SOUMIS À UNE TRACTION LATÉRALE

Publication
EP 1266103 A1 20021218 (DE)

Application
EP 01927752 A 20010319

Priority
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• EP 0103122 W 20010319

Abstract (en)
[origin: WO0171120A1] A wooden beam (1) has several sections which are subjected to a transversal tension and which affect the areas in which there are recesses or openings (3) in particular. Rod-shaped elements are provided in the form of screws (4) which are introduced in such a way that they extend crosswise to the longitudinal direction of the beam (1) in order to absorb this transversal tension. These screws are screwed in from the top side (5) or the underside (6) of the beam (1) and each extend over part of the height (H) of the beam (1) only and are therefore indirectly associated with the area (2) that is subjected to transversal tension.

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E04C 3/12; **E04G 23/02**; **F16B 5/02**

IPC 8 full level
E04B 1/26 (2006.01); **E04C 3/12** (2006.01)

CPC (source: EP US)
E04B 1/2604 (2013.01 - EP US); **E04C 3/12** (2013.01 - EP US); **E04B 2001/262** (2013.01 - EP US); **E04B 2001/2652** (2013.01 - EP US); **E04G 2023/0248** (2013.01 - EP US)

Citation (search report)
See references of WO 0171120A1

Citation (examination)
• DE 2451639 A1 19760506 - BINKER HANS
• J.EHLBECK: "Möglichkeiten zur Erhöhung der Querdruck- und Querkzugbelastbarkeit von Holz", HOLZ ALS ROH- UND WERKSTOFF, SPRINGER VERLAG, vol. 43, no. 3, March 1985 (1985-03-01), BERLIN, pages 105 - 109

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