

Title (en)
Wooden beams and method for their manufacture

Title (de)
Holzbalken und Verfahren zu dessen Herstellung

Title (fr)
Poutres de bois et leur procédé de fabrication

Publication
EP 0799947 A2 19971008 (DE)

Application
EP 97105309 A 19970327

Priority
DE 19613237 A 19960402

Abstract (en)
The beam comprises right-angled cuboids (4) which are glued together, and which are each formed from two right angled triangular segments which are also glued together. The segments are formed by making radial cuts into a tree trunk. The cuboids are glued together so that the growth rings in the grain of the wood extend in a roughly longitudinal direction of the beam. The trunk may first be moulded into the shape of an octagon, before the radial cuts are made. Both longitudinal sides of the triangular segments may also be in the radial direction.

Abstract (de)
Balken aus aufeinander verleimten rechtwinkligen Quadern, die jeweils aus zwei rechtwinkligen, miteinander verleimten Dreieckslamellen aus radialen Ausschnitten aus einem Holzstamm gebildet sind, wobei die Quader derart aufeinander verleimt sind, daß sich die stehenden Jahresringe im wesentlichen in Längsrichtung des Balkens erstrecken. <IMAGE>

IPC 1-7
E04C 3/14

IPC 8 full level
B27B 1/00 (2006.01); **E04C 3/14** (2006.01)

CPC (source: EP US)
B27B 1/005 (2013.01 - EP US); **E04C 3/14** (2013.01 - EP US); **Y10T 156/1075** (2015.01 - EP US); **Y10T 428/192** (2015.01 - EP US); **Y10T 428/24058** (2015.01 - EP US); **Y10T 428/24132** (2015.01 - EP US)

Cited by
CN104149143A; GB2465148A

Designated contracting state (EPC)
AT BE CH DE DK FI FR LI SE

DOCDB simple family (publication)
EP 0799947 A2 19971008; EP 0799947 A3 19980708; EP 0799947 B1 20020724; AT E221159 T1 20020815; CA 2201636 A1 19971002; CA 2201636 C 20040921; CZ 292041 B6 20030716; CZ 97997 A3 19971015; DE 19613237 A1 19971009; DE 19613237 C2 19990602; DE 59707757 D1 20020829; DK 0799947 T3 20021111; PL 319245 A1 19971013; US 5816015 A 19981006

DOCDB simple family (application)
EP 97105309 A 19970327; AT 97105309 T 19970327; CA 2201636 A 19970402; CZ 97997 A 19970401; DE 19613237 A 19960402; DE 59707757 T 19970327; DK 97105309 T 19970327; PL 31924597 A 19970402; US 83195297 A 19970402