

Title (en)

Building element for a timber wall and a ceiling construction and a producing method thereof

Title (de)

Bauelement für eine Holzwand und eine Deckenkonstruktion und ein Herstellungsverfahren hierfür

Title (fr)

Élément de construction pour une structure de mur et d'un plafond en bois et un procédé de production

Publication

EP 2733276 B1 20161214 (EN)

Application

EP 13190754 A 20131029

Priority

SI 201200339 A 20121114

Abstract (en)

[origin: EP2733276A2] A building element for timber wall and ceiling structures and the producing method thereof solve a problem of an easily producible building element that is based on a cross laminated massive timber plate (18) assembled from a layer of outer lamellas (2) and (4) and of an optional number of inner lamellas (3, 4, 5) with vertical ribs (1) or (1, 1') placed at certain spacing between the outer lamellas (2) in an optional sequence. In the compartments between the ribs (1) or (1, 1') insulation infill (19) can be placed and the whole setup can be closed with a cover plate (20). For the pre-stressed structures of building elements, the vertical ribs (1) and/or (1') are curved in the tangential direction of the longitudinal axis by an optional distance of (X). The last layer of the outer lamellas (2) with the intermediate vertical ribs (1) and (1') is glued and laid to the former layer of inner lamellas (3) preferentially simultaneously and fully and within the given sequence also as pressed in the press together with the other layers of lamellas (3, 4, 5) of the cross laminated massive plate (18).

IPC 8 full level

E04C 2/296 (2006.01); **E04B 5/12** (2006.01); **E04C 2/34** (2006.01); **E04C 2/38** (2006.01)

CPC (source: EP)

E04B 5/12 (2013.01); **E04C 2/296** (2013.01); **E04C 2/34** (2013.01)

Citation (examination)

- EP 2060694 A1 20090520 - REINVERBUND S R L [IT]
- WO 2007068267 A1 20070621 - LUDWIG JUNKER SAEGEWERK UND HO [DE], et al
- WO 2012004633 A1 20120112 - LEPOT VINCENT MARIE RODOLPHE CLAIRE [LU]

Cited by

IT201700053565A1; NO20170258A1; EP3844354A4; EP3478899A4; NL1043624B1; EP4019707A1; FR3118470A1

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