

Title (en)

ELEMENTS/SLABS BASED ON SOLID WOOD ELEMENTS REINFORCED WITH CONCRETE

Title (de)

AUF MIT BETON VERSTÄRKTEN VOLLHOLZELEMENTEN BASIERENDE ELEMENTE/PLATTEN

Title (fr)

ELEMENTS / DALLES BASES SUR DES ELEMENTS EN BOIS MASSIF RENFORCES PAR DU BETON

Publication

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Application

EP 07709224 A 20070209

Priority

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Abstract (en)

[origin: WO2007091899A1] A construction element (10) comprising a plate formed product (1) of wooden material combined with a layer of concrete (2) is disclosed. A binding agent (5), optionally in addition to fastener means (7), is present in the stratum between the panel formed product (1) of wooden material and a cast layer of concrete (2). The binding agent (5) unites the wooden material and the concrete into complete static coaction to achieve a unitary product having high flexural rigidity. When the construction element (10) is exposed to load the neutral plane for tensile/compressive stresses within the element will always be in the wooden part so that the concrete is subjected to compression only.

IPC 8 full level

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CPC (source: EP)

E04B 5/12 (2013.01); **E04C 2/26** (2013.01); **E04C 3/122** (2013.01)

Citation (search report)

- [X] CA 2295561 A1 19990121 - SIKA AG [CH]
- [X] DE 4424941 A1 19960125 - ENSLE PAUL STIFTUNG [DE]
- See references of WO 2007091899A1

Cited by

RU2745680C1; WO2021211016A1

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