

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

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Application

EP 07709224 A 20070209

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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)

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