

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

**EP 1987209 A4 20121003 (EN)**

Application

**EP 07709224 A 20070209**

Priority

- NO 2007000042 W 20070209
- NO 20060680 A 20060210

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

**E04C 2/26** (2006.01); **E04B 5/12** (2006.01); **E04C 3/12** (2006.01)

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

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007091899 A1 20070816**; EP 1987209 A1 20081105; EP 1987209 A4 20121003

DOCDB simple family (application)

**NO 2007000042 W 20070209**; EP 07709224 A 20070209