

Title (en)

Mixed structure of wood-concrete, especially for the construction of bridge decks

Title (de)

Holz-Beton Verbundkonstruktion, insbesondere für die Herstellung von Brückendecken

Title (fr)

Structure mixte bois-béton destinée notamment à la réalisation de tabliers d'ouvrages d'art

Publication

EP 0717149 B1 20000816 (FR)

Application

EP 95402782 A 19951212

Priority

FR 9414975 A 19941213

Abstract (en)

[origin: EP0717149A1] The structure consists of lengthwise timber beams resting on supports, a concrete compression slab supported by the beams, and metal connectors between the beams and the concrete. Each of the connectors has a double bend, forming an upper vertical plate (13) which is embedded in the compression slab, and a lower vertical plate (20) fixed in a slot (21) in the upper surface of the beam. The intermediate section of the connector between the upper and lower plates lies horizontally and is fixed to the beam by bolts (17). The lower vertical plate is sealed into the beam slot by a product which has a good chemical compatibility with the timber, sufficient fluidity to impregnate the fibres, and a thixotropic property to prevent it from spreading where it is not required.

IPC 1-7

E01D 19/12; **E04B 5/23**

IPC 8 full level

E01D 19/12 (2006.01); **E04B 5/23** (2006.01)

CPC (source: EP)

E01D 19/125 (2013.01); **E04B 5/23** (2013.01); **E01D 2101/10** (2013.01); **E01D 2101/26** (2013.01); **E04B 2005/237** (2013.01)

Cited by

FR2843978A1; EP2557244A1; EP0857835A3; EP0939175A3; ES2511992A1

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EP 0717149 A1 19960619; **EP 0717149 B1 20000816**; AT E195563 T1 20000915; DE 69518396 D1 20000921; DE 69518396 T2 20010329; FR 2727993 A1 19960614; FR 2727993 B1 19970207

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