

Title (en)

Composite steel-concrete bridge- or walk way structure, especially bridge with double composite beams under the deck

Title (de)

Stahlbetonverbundbrücken- oder Gehwegaufbau, insbesondere Brücke mit zwei zusammengesetzten Balken unter der Decke

Title (fr)

Structure de pont ou de passerelle mixte béton-acier, en particulier de pont à tablier bipoutre mixte sous chaussée

Publication

EP 1065316 B1 20051109 (FR)

Application

EP 00401844 A 20000628

Priority

FR 9908234 A 19990628

Abstract (en)

[origin: EP1065316A1] The structure consists of at least one hollow steel support (2) for a concrete cover slab (1), the support being totally closed, apart from its ends, and having its inner cavity filled with a hydraulic binding agent (11) such as high performance concrete. The supports can be two in number, located beneath the roadway (5) or to the sides of the bridge above the roadway. Each support can be made, for example, from two I-section beams welded together to form parallel sole plates (12), with the beam webs forming the side walls (13). The material used for the supports can be general structural steel, steel with a high elastic limit, or structural steel with a high resistance to atmospheric corrosion.

IPC 1-7

E01D 2/02; E01D 19/12; E01D 101/28

IPC 8 full level

E01D 2/02 (2006.01); **E01D 19/12** (2006.01)

CPC (source: EP)

E01D 2/02 (2013.01); **E01D 19/125** (2013.01); **E01D 2101/285** (2013.01)

Cited by

CN105970798A; CN105544373A; AT526252A4; AT526252B1; US7846197B2; US8691321B2; WO2024103087A1; US7833260B2; US8460362B2; US8460364B2; US7846361B2; US9629940B2; US9642945B2; US9642947B2; US9662416B2

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