

Title (en)
COMPOSITE SUPPORT ELEMENT

Publication
EP 0433224 B1 19930428 (DE)

Application
EP 90810917 A 19901127

Priority
CH 433489 A 19891204

Abstract (en)
[origin: EP0433224A1] In a composite beam for use in the building and construction industry, a bending load is carried by two superposed individual elements (1, 2). In this case, the individual element (2), composed of concrete for example, has the function of taking up the compressive forces, whereas the opposite individual element (1) has the function of taking up the tensile forces. Shear forces have to be transmitted between both individual elements. The envisaged transmission means permit a prestressed, positive connection. The transmission means are equipped with toothings (7) and a clamping element (15).

IPC 1-7
E04B 5/23

IPC 8 full level
E04B 5/23 (2006.01)

CPC (source: EP US)
E04B 5/23 (2013.01 - EP US); **E04B 2005/237** (2013.01 - EP US)

Cited by
DE19715843B4; FR2780427A1; DE102004001638A1; EP1808538A3; EP4339387A1; EP1555098A2; WO9411589A1; US8590239B2; WO9621778A1; WO2007079739A3

Designated contracting state (EPC)
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EP 0433224 A1 19910619; EP 0433224 B1 19930428; AT E88780 T1 19930515; CA 2031447 A1 19910605; CA 2031447 C 19990406; CH 678959 A5 19911129; DE 59001310 D1 19930603; FI 905881 A0 19901129; FI 905881 A 19910605; FI 92949 B 19941014; FI 92949 C 19950125; US 5125200 A 19920630

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EP 90810917 A 19901127; AT 90810917 T 19901127; CA 2031447 A 19901204; CH 433489 A 19891204; DE 59001310 T 19901127; FI 905881 A 19901129; US 62322690 A 19901204