

Title (en)
Composite beam

Title (de)
Verbundträger

Title (fr)
Poutre composite

Publication
EP 1416101 A1 20040506 (EN)

Application
EP 03078411 A 20031029

Priority
FI 20021934 A 20021031

Abstract (en)
Rectangular openings (10), whose edges (7) are downwardly bent, are provided at the upper surface of a closed steel box. Reinforcing bars (5), fixed to necks (15) which remain between the openings, are laid in the longitudinal direction of the composite beam. The box is formed by a bottom flange (1), a web (2), and a top flange (3).

IPC 1-7
E04C 3/293; **E04B 5/29**

IPC 8 full level
E04B 5/29 (2006.01); **E04C 3/293** (2006.01)

CPC (source: EP FI)
E04B 5/29 (2013.01 - EP); **E04C 3/293** (2013.01 - EP FI)

Citation (search report)
• [YA] WO 9012173 A1 19901018 - PEIKKORAKENNE OY [FI]
• [Y] DE 9214426 U1 19930107
• [Y] WO 9419560 A1 19940901 - DELTATEK OY [FI], et al
• [YA] EP 0292449 A2 19881123 - THOR JORGEN
• [A] WO 9730235 A1 19970821 - JUOLA TUOMO [FI], et al
• [A] EP 0328986 A1 19890823 - ARBED [LU]
• [PA] DE 20215502 U1 20030130 - DYWIDAG SYSTEMS INT GMBH [DE]

Cited by
CN115262835A; FR2925088A1; US2022049495A1; ES2369678A1; DE202015104628U1; WO2004090253A1; WO2007141370A1; US2018291626A1; US10407910B2; EP3344823B1; EP3344823B2

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