

Title (en)

Structural element for installation of floors in combination with boards of foam construction material

Title (de)

Strukturelement zur Installation von Fussböden in Kombination mit Platten aus Schaummaterial

Title (fr)

Élément de construction pour l'installation des planchers en combinaison avec des panneaux en matériel de mousse

Publication

EP 1233115 A1 20020821 (EN)

Application

EP 01830106 A 20010216

Priority

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Abstract (en)

A structural element (2) for making floors (1) in combination with beams (3) of foam construction material, provides a metal section (4,5) hollow inside (9) wherein foam construction material (10) is put that fills its inner volume. The filling foam material may be cellular polyurethane. The structural element fits the shape of the central recess (3a) of the beam of foam construction material (3) to which it is associated. The hollow metal section can be formed by a first (4) and by a second (5) metal section coupled to each other. The addition of the foam construction material (8) and its hardening causes the side edges (7) of the second metal section (5) to force against the side edges (8) of the first metal section (4), turning said section into a steady and stiff structural element (2). A floor (1) made with the structural element (2) associated to the beam (3) is lighter with respect to the prior art and allows an application from below of plaster suspended ceilings (40); this step is easy and quick, by means of self tapping screws (11) that cross the metal section (4) and penetrate the foam construction material (10). <IMAGE>

IPC 1-7

E04C 3/07; **E04C 5/065**; **E04C 3/29**

IPC 8 full level

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Citation (search report)

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