

Title (en)
Steel-concrete composite joist with fire-resistant support for ceiling elements

Title (de)
Stahlverbundträger mit brandgeschütztem Auflager für Deckenelemente

Title (fr)
Poutre composite en acier-béton avec support ignifuge pour éléments de plafond

Publication
EP 1669505 B1 20100623 (DE)

Application
EP 05025146 A 20051117

Priority
DE 202004018655 U 20041202

Abstract (en)
[origin: EP1669505A1] An improved support structure for floors in construction has steel profiles (2) filled with concrete and fitted between upright supports (1). The profiles have outer trough shaped flanges (5) to carry flooring panels (3) and are strengthened by steel rods (20). The support flanges are rolled over extensions of the steel profile and the trough profiles are filled with a fire retarding material, e.g. concrete, mineral wool etc. Steel support plates (14) are fitted over the support flanges and are secured by profiled ends located into slots and cut outs in the steel profile.

IPC 8 full level
E04B 5/02 (2006.01); **E04B 5/26** (2006.01); **E04C 3/293** (2006.01)

CPC (source: EP)
E04B 5/046 (2013.01); **E04B 5/265** (2013.01); **E04C 3/293** (2013.01)

Cited by
DE202015104628U1; CN108291401A; US2018291626A1; US10407910B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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