

Title (en)

Composite steel truss and concrete floor construction.

Title (de)

Zusammengesetztes Stahlfachwerk und Beton-Deckenkonstruktion.

Title (fr)

Charpente d'acier composée et construction de plancher en béton.

Publication

**EP 0150545 A1 19850807 (EN)**

Application

**EP 84300495 A 19840126**

Priority

EP 84300495 A 19840126

Abstract (en)

A steel primary framing member, or truss (12), and concrete floor structure (54) in which the top chord of the truss (12), regardless of cross-sectional configuration, is totally or at least partially embedded in the concrete to cause the concrete floor (54) and steel truss (12) to function together structurally as a composite system. The upper chord of the truss (12) acts as a continuous or substantially continuous shear connector thus enabling the top chord to perform a multi-purpose function. Additionally, the top chord may be of any configuration and may be either a solid piece or contain perforations.

IPC 1-7

**E04B 5/10**

IPC 8 full level

**E04B 5/29** (2006.01); **E04B 5/40** (2006.01)

CPC (source: EP)

**E04B 5/29** (2013.01); **E04B 5/40** (2013.01)

Citation (search report)

[A] US 3624980 A 19711207 - MCMANUS IRA J

Cited by

CN115012578A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0150545 A1 19850807**; DE 150545 T1 19851205

DOCDB simple family (application)

**EP 84300495 A 19840126**; DE 84300495 T 19840126