

Title (en)
Method for the production of a steel plate concrete floor

Title (de)
Verfahren zur Herstellung einer Stahlblechbetondecke

Title (fr)
Procédé pour la fabrication d'un plancher en béton et tôle d'acier

Publication
EP 0474310 B1 19961211 (EN)

Application
EP 91202275 A 19910905

Priority
NL 9001970 A 19900906

Abstract (en)
[origin: EP0474310A1] For the production of steel plate concrete floors which can span a considerable length without the concrete being subjected to too great a tensile load under the influence of the weight of the floors themselves and the effective load, and with the deformations standing in the way a practical use, tensioning elements (5) of steel or other elastic material are fitted in the lengthwise direction of the steel plate (1), concrete mortar (2) is poured on the steel plate (1) so that the tensioning members are embedded in the concrete (2), and the tensioning members are placed under tension. The rigid pipes (4) for recessing channels in the concrete are placed over the steel plate (1) in the lengthwise direction thereof, before or after pouring of the concrete mortar the tensioning elements (5) are guided through the channels and are placed under a tensile load after setting of the concrete (2), and the ends of the tensioning elements (5) are anchored in the set concrete (2). <IMAGE>

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E04B 5/40

IPC 8 full level
E04B 5/40 (2006.01)

CPC (source: EP)
E04B 5/40 (2013.01)

Cited by
ES2537258A1; ES2590536R1; KR20040018808A; GB2426531A; GB2426531B; WO2015059321A1; WO2016177920A1; WO9851878A1

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