

Title (en)

Floor construction and method of its production

Title (de)

Fussbodenkonstruktion und Verfahren zu seiner Herstellung

Title (fr)

Structure de plancher et son procédé de fabrication

Publication

**EP 1693526 A2 20060823 (EN)**

Application

**EP 05016359 A 20050728**

Priority

CZ 2005111 A 20050222

Abstract (en)

Floor construction produced using monolithic technology on formwork, concrete mass and additional expanding material, whereby the bottom layer of the floor construction contains a mesh (2) or other diaphragm on which, through a layer of adhesive, expanding bodies (3) are laid, around which expanding bodies (3) the reinforcement is arranged so that it forms ribs for the reinforcement in one way or multiple ways at different angles while the expanding elements do not run throughout the whole thickness of the floor construction, and while the space between and above the expanding bodies (3) is filled by concrete mass (4), also passing through the mesh (2) in uncovered areas. The method of production consists in applying a separator on the floor formwork, after which a mesh or other diaphragm is spread on the formwork, the bottom surfaces of the expanding bodies that are in contact with the mesh or other diaphragm are joined to the mesh by pushing an adhesive through the mesh or by being simply glued onto the other diaphragm and the reinforcing elements are placed between the expanding bodies, after which, when the expanding bodies are firmly fixed to the mesh or other diaphragm, the concrete mass is cast around the expanding bodies and above them.

IPC 8 full level

**E04B 5/36** (2006.01); **E04B 5/19** (2006.01); **E04B 5/21** (2006.01)

CPC (source: EP)

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