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(54) **Floor construction and method of its production**

(57) 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.

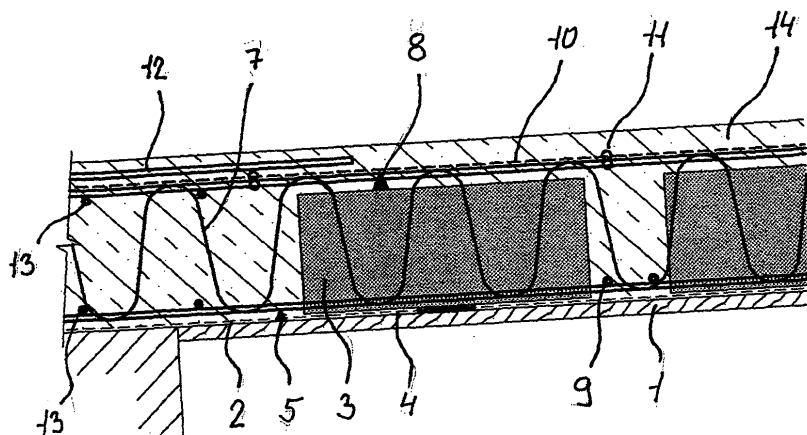


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 05 01 6359

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 22 35 924 A1 (WILLIAMS GOEFFREY MILSON JOHN) 1 February 1973 (1973-02-01) -----	1,7	INV. E04B5/36 E04B5/21
			TECHNICAL FIELDS SEARCHED (IPC)
			E04B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 October 2008	Examiner Bauer, Josef
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 01 6359

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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14-10-2008

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