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(54) **Products for the fabrication of floors with lightening box elements and floors made with these products**

(57) Box elements (4-104-204) made from extruded cellular sheets of polypropylene and/or other suitable waterproof plastic materials, filled if necessary, are disposed in the space between the metal lattices (3) projecting from the reinforced concrete slab (1-2) of a floor, and are fixed over the whole length of this space, with or without interruptions, and act as lightening elements. The box elements are downwardly open, are provided

with transverse closing and stiffening walls (8) fixed by mortising and/or other suitable means and suitably distributed over the whole length of the said elements, which are preferably also provided with small lateral openings (7-10) which prevent the entry of the floor finishing casting but which allow the water to flow freely, so that after the setting of the said casting the floor no longer releases liquid components.

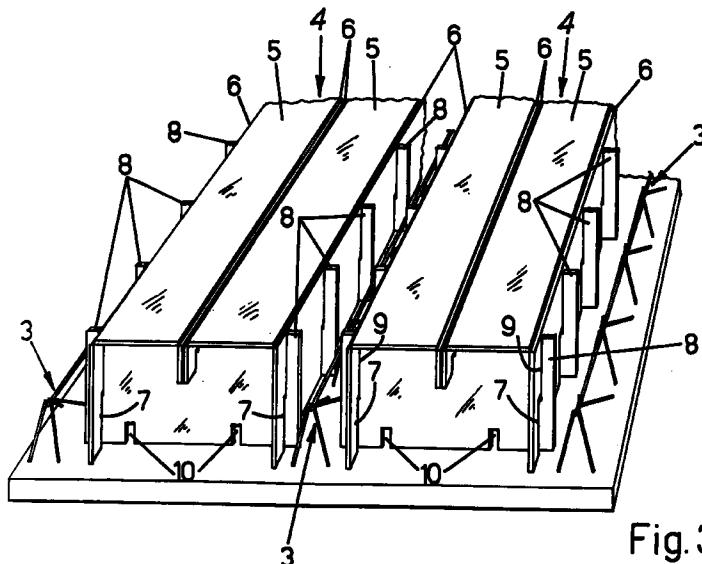


Fig. 3



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 94 10 4407

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	GB-A-829 308 (UDALLS PRESTRESSED CONCRETE LTD)	1-3, 10, 11, 16	E04B5/38 E04B5/21
Y	* page 1, line 56 - page 2, line 62; figures 1-4 * * page 4, line 5 - line 34 * ---	4-9, 17, 18	
Y	GB-A-2 077 792 (GLASS REINFORCED CONCRETE LTD) * abstract; figure 1 * ---	4	
Y	DE-B-19 08 884 (A. CHAS) * claims 1-3; figures 1-4 * ---	5-9, 18	
Y	GB-A-1 344 065 (WYLM BUILDING SYSTEMS LTD) * claims 1-6; figures 1-5 * -----	17	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			E04B
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
BERLIN	10 November 1995		Bousquet, K
CATEGORY OF CITED DOCUMENTS		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	
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			