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(30) Priority: **22.06.2005 GB 0512663**

(54) **Thermal insulating floor panel with reinforcement and supported floor structure**

(57) A floor structure 10 includes two panels 12, which abut. Each comprises a slab 14 of thermal insulation material. There is reinforcement 16, 18 at oppositely directed faces of the slab 14. The lower reinforcement 18 provides resistance in tension and may be a relatively

thin layer formed by strands of reinforcing material running generally parallel to the lower face 20 of the slab 14. The upper reinforcement 16 is preferably a body of material which is incompressible relative to the slab 14, such as a concrete, screed or other cementitious material.

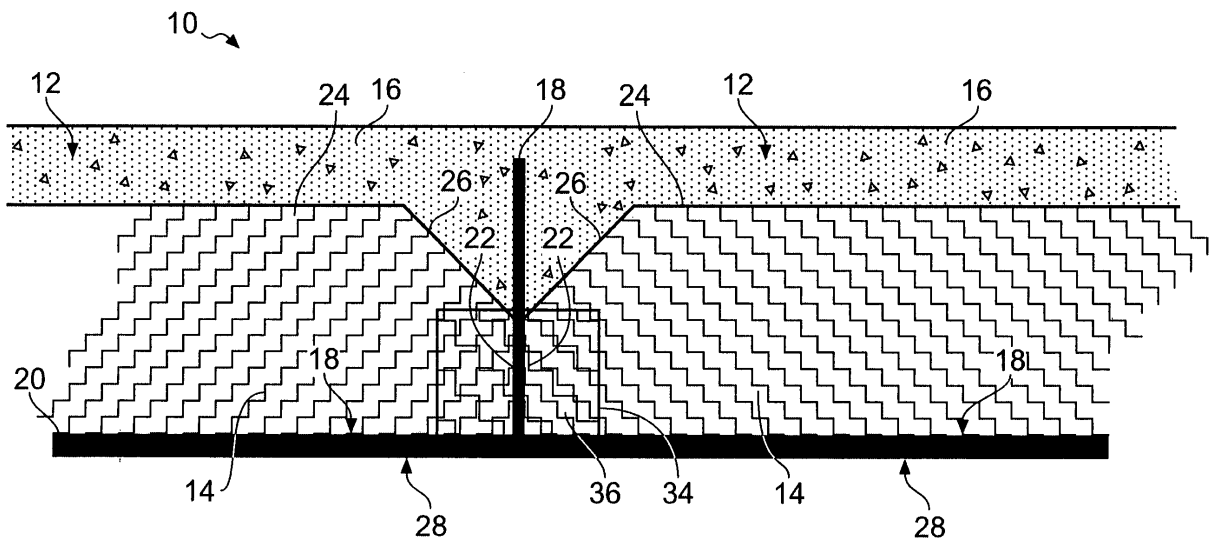


Fig. 1

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European Patent Office

PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 06 25 3253 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2004/115415 A1 (THIELE LOTHAR ET AL) 17 June 2004 (2004-06-17) * paragraphs [0009], [0077], [0079], [0083]; figure 1 *	1-5,26,27	INV. E04F15/18 E04F15/024
X	US 3 978 263 A (WELLENSIEK ET AL) 31 August 1976 (1976-08-31) * figure 3 *	1	
A	CA 2 383 294 A1 (LABORATOIRE ACOUSTIQUE ARCHITECTURALE 3D INC) 9 November 2003 (2003-11-09) * page 1, line 32 - page 2, line 6; claims 1,2 * * claims 8,11,12 *	1-5,26,27	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04F
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search: see sheet C</p>			
Place of search		Date of completion of the search	Examiner
Munich		14 September 2006	Bastian, Almut
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03 02 (P04C07)



Claim(s) searched completely:
1-24,26-33

Claim(s) not searched:
25,34,35

Reason for the limitation of the search:

Claims 25, 34 and 35 do not describe a technical subject-matter, they only refer back to the drawings and description. In particular, they do not contain any technical features upon which a search could be based. Consequently, these claims were not searched.

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-5, 26, 27



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-5,26,27

floor panel (material of slab)

2. claims: 1,6-24,26,27

floor panel (reinforcement)

3. claims: 26,28-33

structure comprising floor panels

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

EP 06 25 3253

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-09-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004115415 A1	17-06-2004	DE 10060817 A1	20-06-2002
		WO 0246262 A1	13-06-2002
		EP 1339771 A1	03-09-2003
		JP 2004515584 T	27-05-2004

US 3978263 A	31-08-1976	NONE	

CA 2383294 A1	09-11-2003	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82