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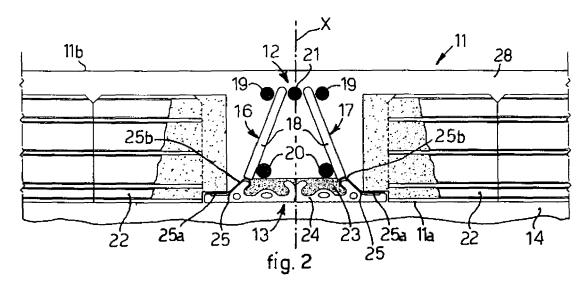
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#### (54) Mixed-type self-supporting beam and relative method of production

(57) Self-supporting beam to make a floor (11), comprising a metal reinforcement (12), to which a slab (13) is attached, which comprises a cement mix (23) and a covering layer (24) attached below or laterally to said

mix. The covering layer (24) is made with the same type of material as that of the lower surface (11a) of the floor (11) or adjacent wall. In this way uniformity of material is obtained between the lower surface (11a) and the corresponding lower surface of the slab (13).



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## **EUROPEAN SEARCH REPORT**

Application Number EP 06 11 1063

Category	Citation of document with ind		Relevant	CLASSIFICATION OF THE
- alogory	of relevant passag	es	to claim	APPLICATION (IPC)
Χ	FR 1 279 714 A (M WO		1-4	INV.
v	22 December 1961 (19	61-12-22)	F	E04C5/065
Υ	^ page 2, column 1, 1,2 *	paragraph 4; figures	5	E04B5/26
	1,6			
Υ	OA 6 021 A (ANTONIO		5	
٨	30 June 1981 (1981-0	6-30)		
A	* figures 3-6 *		4	
Χ	CH 378 505 A (NICELL		1-4	
.,	15 June 1964 (1964-0		-	
Υ	* page 1, line 3/ - * page 2, line 98 -	line 44; figures 4,5 *	5	
	paye 2, Tille 30 -			
Υ	EP 1 371 794 A1 (TEC		5	
	TECHNOSTUDI SRL [IT] 17 December 2003 (20	) 02_12_17)		
Α	* figure 1 *	03-12-17)	4	
	_			
X	DE 15 09 016 A1 (STO 19 December 1968 (19		1-4,6	TECHNICAL FIELDS
	* figures 29,30 *	00-17-19)		SEARCHED (IPC)
	-			E04B
A	FR 1 204 991 A (M B0		4	E04C
	29 January 1960 (196 * figure 2 *	0-01-29)		
	119410 2			
			4	
	The present search report has be	en drawn up for all claims		
	Place of search	Date of completion of the search	<u> </u>	Examiner
	The Hague	7 August 2007	Der	meester, Jan
C	ATEGORY OF CITED DOCUMENTS	T : theory or principl E : earlier patent do		
	icularly relevant if taken alone icularly relevant if combined with anothe	after the filing da	te · ·	
docı	iment of the same category inological background	L : document cited f	or other reasons	
	-written disclosure	& : member of the s		



Application Number

EP 06 11 1063

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:  1-6, 16, 17					



### **LACK OF UNITY OF INVENTION SHEET B**

**Application Number** 

EP 06 11 1063

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: 1-6, 16, 17

Mixed type beam and method to make such a beam

2. claims: 7-12, 18

Supporting element with mating coupling segment and supporting segment

3. claims: 13-15, 19

Attachment and support device

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

EP 06 11 1063

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.

07-08-2007

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
FR 1279714	Α	22-12-1961	NONE			
OA 6021	Α	30-06-1981	NONE			
CH 378505	Α	15-06-1964	DE	1800431	U	19-11-195
EP 1371794	A1	17-12-2003	AT DE ES IT	60308261	T2 T3	15-10-200 30-08-200 01-04-200 15-12-200
DE 1509016	A1	19-12-1968	AT	245214	В	25-02-196
FR 1204991	Α	29-01-1960	NONE			

FORM P0459

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