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EUROPEAN PATENT APPLICATION

21 Application number: 84100046.6

51 Int. Cl.⁴: **E 04 C 3/29**
E 04 C 3/34

22 Date of filing: 03.01.84

30 Priority: 05.01.83 IL 67622

43 Date of publication of application:
15.08.84 Bulletin 84/33

88 Date of deferred publication of search report: 30.04.86

84 Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

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54 **Peripherally stressed composite structural units.**

57 Prestressed composite structural elements (4), such as columns and beams comprise an open hollow member (5) which is defined by enclosing walls, a first shear stress being applied to the said external side means and a filler material in said elements having an opposing shear pre-stress.

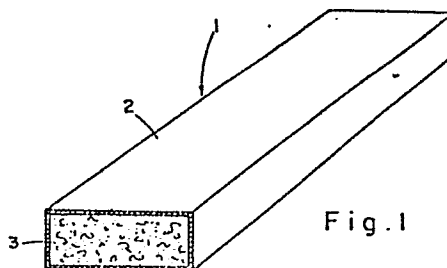


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

0115769

Application number

EP 84 10 0046

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	DE-C-1 900 773 (RAYMOND) * figures 1, 4; claims 1-3 *	1-3,9	E 04 C 3/29 E 04 C 3/34
X	GB-A-1 446 425 (KUEI FAN YU) * figure 2, claims 1, 4 *	1-3,9	
A	DE-C-1 056 348 (MANNESMANN) * claims 1, 2 *	1	
A	FR-A-2 482 645 (GRAM) * figures 1-3, reference number 1 *	4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			E 04 C 3/29 E 04 C 3/34
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 23-01-1986	Examiner SCHLAITZ J
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	