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Concrete framework system and method and apparatus for farbrication of system-compatible columns.

A concrete framework system for a building comprises columns (1,20,30,40) each formed by at least two vertically aligned column sections, and supporting structures (6,12,22,35) arranged in or between column sections providing supporting means to join horizontal structural elements (4,14) to the columns (1,20,30,40). Each column section has a cavity (15) extending longitudinally from end to end, and at least one prestressing tendon (17) is arranged to pass through the cavity. A method of fabricating the columns comprises feeding stiff concrete mix (56) into a vertically aligned mold (50,51) the mix (56) being compacted under pressure in the mold (50,51) by means of a shaft-like compaction member (54) which is aligned coaxially with the axis of the mold and is provided with profiling protrusions (60).

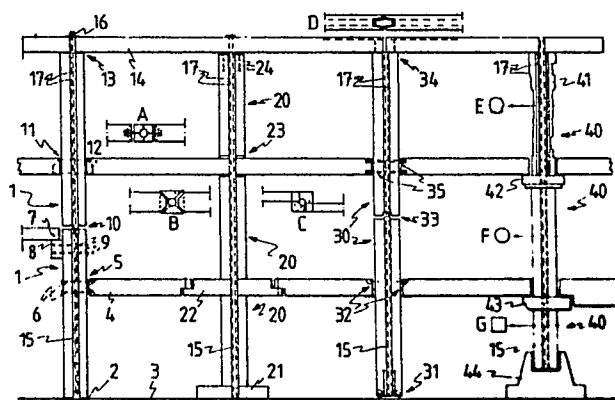


Fig1



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.4)
X	DE-A-2 733 148 (CON.TE.CO.S.A.S. DI LUCIO ZORZI & C.) * figures 1,6,8; claims 5,6; page 6, past paragraph - page 7, first paragraph *	1	E 04 B 1/20 B 28 B 21/22
Y	---	2	
Y	DE-A-2 035 410 (MODULBAU AG) * figure 3; claims 1,4,5;; page 2, paragraph 1; page 3, paragraphes 1,2 *	2,3	
Y	SOVIET INVENTIONS ILLUSTRATED Section Mechanical, Week D48, abstract no. M3839, P 64, 13 January 1982, Derwent Publications Ltd., Lond, GB; & SU - A - 808323 (SUYUZZHELEZOBETON) 10.03.1981 * whole document *	3-8	
Y	DE-C- 263 193 (F. ZOLLINGER) * figure 11; claim 1; page 1, lines 1-32 *	3-8	
A	US-A-3 226 894 (K. BURCHARDT et al.) * figures 2-4; column 1, lines 20-28 *	1	
A	GB-A-1 572 843 (K. WATANABE et al.) * figure 1; page 1, lines 11-48 *	1	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 05-09-1989	Examiner BOUSQUET K.C.E.
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			