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Expandable structure and sequence of expansion.

An expandable structure has a core structure (10) which may be expanded on a selected side into a composite structure incorporating the core structure (10) and a contiguous expanded section. The selected sidewall (14) of the core structure (10) rotates up to become the roof of the expanded section. The sidewall (14), endwalls (27A,27B) and floor section (37) of the expanded section are hinged to the frame (200) of the core structure (10) and stacked vertically against the selected sidewall/roof (14) but do not take up significant floor space within the core section (10). Expansion may be accomplished by power beams (24,23) housed within the roof (16) and subflooring (17) of the core structure (10). The sequence of expansion includes the steps of (a) rotating the selected sidewall/roof (14) to a horizontal position as the roof of the expanded section; (b) driving the sidewall (26) of the expanded section outwardly; (c) driving the endwalls (27A,27B) outwardly; and (d) rotating the floor (37) of the expanded section downwardly to form an extension of the floor (17) of the core section (10).

EP 0 329 261 A3



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)
A	FR-A-2 430 493 (CEM) * Page 2, line 26 - page 3, line 26; figures 1-4 * ---	1	E 04 B 1/344
A	FR-A-1 157 924 (ETABLISSEMENTS DEPLIREX) * Page 3, column 2, line 35 - page 4, column 1, line 23; figures 7-9 * ---	1	
A	US-A-4 253 283 (MAY) * Column 1, line 55 - column 2, line 49; figures 1-3 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 04 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-01-1990	Examiner CLASING M.F.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>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</div> <div>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</div>			