

Title (en)  
IMPROVEMENTS IN OR RELATING TO CONCRETE STRUCTURES

Title (de)  
VERBESSERTE BETONKONSTRUKTION

Title (fr)  
AMELIORATIONS APORTEES AUX OUVRAGES EN BETON OU CONCERNANT CE TYPE D'OUVRAGES

Publication  
**EP 0986680 A1 20000322 (EN)**

Application  
**EP 97926118 A 19970613**

Priority  
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Abstract (en)  
[origin: WO9802625A1] Lines of concrete columns (50, 60, 92, 93) are cast simultaneously, already interconnected by two-part metal connectors (20, 31), with a lower part-connector (20) anchored in or to the top of each lower column (50, 60, 92) and with an upper part-connector (31) anchored in or to the bottom of each upper column (60, 92, 93) of the pair. The columns (50, 60, 92, 93) are then disconnected, by disconnecting the metal connectors (20, 31) and are stored in a known order so that they can be subsequently reconnected in the same relationship in a concrete structure having concrete floors; that is, each line of vertical columns (50, 60, 92, 93) in the eventual structure are the same columns (50, 60, 92, 93) as were cast in a line to begin with. In the structure itself, after the first level of columns (50) has been erected, the first concrete floor (56) is laid at the tops of the columns (50), filling a space between the top (55) of each lower column (50) and a plate (21) of the lower part-connector (20), so that the plate (21) is flush with the upper surface (58) of the floor (56) for locating the second column (60) in the line. Then the second level of precast columns (60) is erected, by reconnecting the metal connectors (20, 31).

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