

Title (en)  
Building construction method

Title (de)  
Verfahren zum Herstellen eines Gebäudes

Title (fr)  
Procédé pour la construction d'un bâtiment

Publication  
**EP 0829586 A3 19981202 (DE)**

Application  
**EP 97115784 A 19970911**

Priority  
DE 19637567 A 19960914

Abstract (en)  
[origin: EP0829586A2] The concrete structure is made by first inflating an elastic shape to take the final form of the structure. Retaining profiles (20) are secured to the inside of the elastic shape. The retainers are bonded to the shape by an initial layer (24) of concrete. Reinforcing bars (22) are next fitted to the retainers and the whole inside structure is secured by successive layers (26) of concrete. The retainers have mounting plates (28) which are secured to the inside of the inflated shape using double sided adhesive tape. Insulating layers can be applied to the inflated structure before the retainers are fitted. The layers provide thermal insulation as well as damp proofing. The structure is secured onto a base.

IPC 1-7  
**E04B 1/32**; **E04B 1/16**

IPC 8 full level  
**E04B 1/16** (2006.01); **E04B 1/32** (2006.01)

CPC (source: EP)  
**E04B 1/169** (2013.01); **E04B 1/3211** (2013.01); **E04B 2001/3217** (2013.01); **E04B 2001/3264** (2013.01)

Citation (search report)  
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• [X] GB 2122235 A 19840111 - MOY INSULATION HOLDINGS LIMITE  
• [A] US 5094044 A 19920310 - DYKMANS MAXIMILLIAAN J [US]  
• [AD] US 4155967 A 19790522 - SOUTH BARRY [US], et al  
• [A] US 5489468 A 19960206 - DAVIDSON GLENN R [US]

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Designated contracting state (EPC)  
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**EP 0829586 A2 19980318**; **EP 0829586 A3 19981202**; DE 19637567 A1 19980319; DE 19637567 B4 20060713

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