

Title (en)
IMPROVEMENTS IN/OR RELATING TO INSULATED CONSTRUCTION PANELS AND/OR METHODS OF MANUFACTURING SUCH PANELS AND/OR METHODS OF CONSTRUCTION USING SUCH PANELS.

Title (de)
VERBESSERUNGEN IM ZUSAMMENHANG MIT ISOLIERTEN KONSTRUKTIONSPANEELEN, VERFAHREN ZUR HERSTELLUNG SOLCHER PANEELE UND KONSTRUKTIONSVERFAHREN UNTER VERWENDUNG SOLCHER PANEELE.

Title (fr)
AMELIORATIONS APPORTEES A DES PANNEAUX DE CONSTRUCTION ISOLES ET/OU PROCEDES DE FABRICATION DE CES PANNEAUX ET/OU PROCEDES DE CONSTRUCTION UTILISANT DE TELS PANNEAUX.

Publication
EP 0666948 A4 19960605 (EN)

Application
EP 93922087 A 19931008

Priority

- NZ 9300093 W 19931008
- NZ 24471992 A 19921013

Abstract (en)
[origin: WO9409221A1] An insulated construction panel (1) is formed from a cementitious material, usually Portland cement concrete, and reinforced with reinforcing fibre, usually steel reinforcing fibre. After the first layer of fibre reinforced concrete (2) has been vibrated in a suitable mould a sheet of insulating material (3), usually sheet polystyrene, is laid in place bearing structural areas at each end of the panel (4, 5) and cover strips (7) down the sides of the panel. Additional reinforcing rods (8) can be placed in these parts. The panel is completed by fitting the mould with more fibre reinforced concrete so that the insulating material is embedded and the structural sections at each end of the panel complete. The completed insulated construction panels can be used to build typhoon proof dwellings and community buildings. The panels are supported in an upright position upon pads laid below ground level on the building profile. The panels can be abutted, i.e. at corners or spaced apart for building components such as doors or windows. The erected panels are bound in with a reinforced concrete floor and joined together at the top by a structural member which also can be fixed to the roof structure.

IPC 1-7
E04B 1/80; **E04B 1/86**; **E04B 1/90**; **E04H 9/14**

IPC 8 full level
E04B 2/56 (2006.01); **E04B 1/04** (2006.01); **E04B 1/80** (2006.01); **E04H 9/14** (2006.01)

CPC (source: EP KR)
E04B 1/04 (2013.01 - EP KR); **E04B 1/80** (2013.01 - EP KR); **E04H 9/14** (2013.01 - EP); **Y02A 50/00** (2017.12 - EP)

Citation (search report)

- [XA] US 4280974 A 19810728 - PIAZZA MATTHEW R
- See references of WO 9409221A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9409221 A1 19940428; AU 5120393 A 19940509; AU 683021 B2 19971030; EP 0666948 A1 19950816; EP 0666948 A4 19960605; JP H08504487 A 19960514; KR 950703686 A 19950920; NZ 244719 A 19950828

DOCDB simple family (application)
NZ 9300093 W 19931008; AU 5120393 A 19931008; EP 93922087 A 19931008; JP 50987294 A 19931008; KR 19950701420 A 19950413; NZ 24471992 A 19921013