

Title (en)

Module sections, modules and formwork for making insulated concrete walls.

Title (de)

Modulare Teile, Module und Schalung für das Herstellen von isolierenden Betonwänden.

Title (fr)

Sections modulaires, modules et coffrage pour la réalisation de murs isolants en béton armé.

Publication

EP 0285518 A2 19881005 (EN)

Application

EP 88400776 A 19880330

Priority

CA 533568 A 19870401

Abstract (en)

A formwork is made up of a series of plastic foam modules disposed in the manner of a brick wall and forming a mold into which concrete is poured, the formwork remaining permanently secured to the concrete to produce a concrete wall insulated both on the inside and on the outside. Each module is formed of two identical sections disposed in mirror position. Each module section is a panel having inner spaced ribs (13) which terminate short of the top and bottom panel edges and inserts (25) are embedded in the ribs (13), having apertures opening in the free spaces formed by the ends of the ribs (13) and the panel edges. Once the two identical module sections are placed in mirror position, at the construction site, they are held together by horizontal tie-rods (33) having hooked ends (37) lockingly engaged in the insert (25) apertures. Adjoining tie-rods (33), in modules, disposed one over the other, are further interlocked by vertical coupling rods (35) to prevent separation of the modules during pouring of the concrete. Reinforcement bar supports (43) are fixed to these coupling rods (35), being bent at their ends to form troughs into which horizontal reinforcement bars (45) may be lodged.

IPC 1-7

E04B 2/86

IPC 8 full level

E04B 2/54 (2006.01); **E04B 2/02** (2006.01)

CPC (source: EP)

E04B 2/54 (2013.01); **E04B 2002/0208** (2013.01)

Cited by

CN112982485A; EP2314779A1; BE1018783A5

Designated contracting state (EPC)

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CA 1233042 A 19880223; EP 0285518 A2 19881005; EP 0285518 A3 19890322

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