

Title (en)

Construction process for buildings from wooden framed modular elements with incorporated insulation, and modular elements for carrying out the process.

Title (de)

Verfahren zur Einrichtung von Gebäuden aus modularen Elementen mit einem Holzgerippe und eingeschlossener Isolation und modulare Elemente zur Ausführung des Verfahrens.

Title (fr)

Procédé de construction de bâtiments à partir d'éléments modulaires d'ossature bois avec isolation incorporée, et éléments modulaires pour la mise en oeuvre de ce procédé.

Publication

EP 0097102 A1 19831228 (FR)

Application

EP 83401210 A 19830613

Priority

FR 8210551 A 19820614

Abstract (en)

1. Method for constructing buildings having at least one level, from a lower floor, by means of panels placed side by side, erected on the floor, joined by tie rods (9, 15, 16) characterized by plant realizing : Composite panels each comprising one block of rock wool (2), two posts (3, 4) respectively secured to the vertical sides of said block of rock wool (2), said posts (3, 4) each having a thickness at least equal to that of the block of rock wool (2), one of said posts (3, 4) having a vertical side face including a longitudinal tongue and the other post having a vertical side face including a corresponding longitudinal groove, said posts (3, 4) having horizontal holes (30, 31) spaced in the vertical direction for passing said tie rods (9, 15, 16). Corner posts (14) with a groove and a tongue on two adjacent faces in correspondance with the grooves and tongues of the panels pierced with holes for passing said tie rods (9, 15, 16) in correspondance with the holes (30, 31) of the posts, and spot assembling the side by side erected panels and the corner posts (14) with the tie rods (9, 15, 16) introduced in the horizontal holes (30, 31) while reserving the apertures necessary to the doors and windows, and realizing an appropriate coating respectively on the inner and outer faces of the assembled panels.

Abstract (fr)

Ce procédé utilise essentiellement comme éléments modulaires des panneaux verticaux préfabriqués en atelier composés chacun d'un élément isolant (2), en simple ou double épaisseur, contenu entre deux montants (3, 4) en bois ayant sur leurs faces latérales dressées respectivement une languette et une rainure d'assemblage cependant que des trous horizontaux (30, 31) sont prévus pour le passage de tirants horizontaux servant à assembler les uns contre les autres ces panneaux dont les faces principales sont couvertes ensuite par un revêtement approprié intérieur ou extérieur.

IPC 1-7

E04B 1/10; **E04C 2/38**

IPC 8 full level

E04B 1/10 (2006.01); **E04C 2/38** (2006.01)

CPC (source: EP)

E04B 1/10 (2013.01); **E04C 2/386** (2013.01); **E04B 1/2612** (2013.01)

Citation (search report)

- [A] DE 2707359 A1 19780824 - LUX OSWALD
- [A] US 3820293 A 19740628 - MEGUMI N, et al
- [A] GB 1431122 A 19760407 - WORDSWORTH D W, et al
- [A] BE 464959 A
- [A] CAHIERS DU CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT, cahier 734, no. 84, février 1967, pages 1-7, décision 2467 Clarté-Pano, Paris, FR.

Cited by

DE102017118546B4; FR2722228A1; RU208648U1; DE19633127A1; FR2611780A1; EP0890681A1; FR2600099A1; FR2577591A1; NL1019082C2; BE1015787A5; DE102017118546A1; FR2773567A1; ES2150388A1; EP3168379A1; FR3043418A1; WO03031744A3; WO2023080873A1; WO2022246581A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0097102 A1 19831228; **EP 0097102 B1 19860326**; AT E18784 T1 19860415; DE 3362673 D1 19860430; FR 2528470 A1 19831216; FR 2528470 B1 19850222

DOCDB simple family (application)

EP 83401210 A 19830613; AT 83401210 T 19830613; DE 3362673 T 19830613; FR 8210551 A 19820614