

Title (en)

MODULAR BUILDING UNIT AND METHOD OF ASSEMBLY

Title (de)

MODULBAUELEMENT UND VERFAHREN ZU SEINER MONTAGE

Title (fr)

UNITE DE CONSTRUCTION MODULAIRE ET METHODE D'ASSEMBLAGE

Publication

EP 1579086 B1 20070815 (EN)

Application

EP 03780330 A 20031203

Priority

- GB 0305253 W 20031203
- GB 0228172 A 20021203

Abstract (en)

[origin: WO2004051016A1] The invention provides a modular building unit comprising a shell formed from side wall lattice frameworks connected together by cross-beams at floor and ceiling height and end wall lattice frameworks secured to the ends of the resulting structure. The wall lattice frameworks are constructed at a first site where each is formed from an array of mutually parallel spaced structural uprights made from cold-formed structural steel sections, secured together by horizontal or diagonal cross-braces also made from cold-formed structural steel sections. The wall lattice frameworks are build up into the shell at a second site where each of the cross-beams, made from a cold-formed structural steel C-section, is connected to the wall lattice frameworks by being sleeved into or around lateral spur members extending from the wall lattice frameworks prior to being welded thereto.

IPC 8 full level

E04B 1/348 (2006.01)

CPC (source: EP US)

E04B 1/3483 (2013.01 - EP US)

Cited by

US11898341B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004051016 A1 20040617; AT E370288 T1 20070915; AU 2003288411 A1 20040623; CA 2508364 A1 20040617; CA 2508364 C 20090922; CN 100353007 C 20071205; CN 1777724 A 20060524; DE 60315714 D1 20070927; DE 60315714 T2 20080605; EP 1579086 A1 20050928; EP 1579086 B1 20070815; ES 2291720 T3 20080301; GB 0228172 D0 20030108; HK 1089494 A1 20061201; JP 2006509124 A 20060316; JP 4425143 B2 20100303; NZ 541055 A 20080530; US 2006265971 A1 20061130; ZA 200505334 B 20060426

DOCDB simple family (application)

GB 0305253 W 20031203; AT 03780330 T 20031203; AU 2003288411 A 20031203; CA 2508364 A 20031203; CN 200380109415 A 20031203; DE 60315714 T 20031203; EP 03780330 A 20031203; ES 03780330 T 20031203; GB 0228172 A 20021203; HK 06109995 A 20060908; JP 2004556525 A 20031203; NZ 54105503 A 20031203; US 53792103 A 20031203; ZA 200505334 A 20050701