

Title (en)
SYSTEM FOR CONSTRUCTION WITH PRE-FABRICATED PANELS, AND PRE-FABRICATED PANEL

Title (de)
SYSTEM ZUM BAU MIT VORGEFERTIGTEN PLATTEN UND VORGEFERTIGTE PLATTE

Title (fr)
SYSTEME DE CONSTRUCTION A PARTIR DE PANNEAUX PREFABRIQUES ET PANNEAU PREFABRIQUE

Publication
EP 1736609 B1 20110420 (EN)

Application
EP 05728583 A 20050316

Priority

- ES 2005000136 W 20050316
- ES 200400682 A 20040318
- ES 200500182 A 20050201

Abstract (en)
[origin: EP1736609A1] The invention relates to a construction system based on the use of panels comprising a core (1) that is made from expanded polystyrene or polyurethane and at least one resistant resin layer (2). According to the invention, the aforementioned panels can be assembled in order to produce partitions, walls, ceilings and other construction elements, without the need for any on-site masonry work. The panels provide a mechanical strength similar to that obtained with standard materials, but also offer better thermal and acoustic insulation characteristics. In addition, said panels are lighter and of very low cost and, as a result, can be handled and assembled easily and simply, thereby reducing the end cost of the construction.

IPC 8 full level
E04C 2/296 (2006.01); **E04B 1/12** (2006.01); **E04B 2/86** (2006.01); **E04B 5/02** (2006.01); **E04B 7/22** (2006.01); **E04C 2/20** (2006.01); **E04C 2/52** (2006.01)

CPC (source: EP)
E04B 2/86 (2013.01); **E04B 5/026** (2013.01); **E04B 5/04** (2013.01); **E04B 7/22** (2013.01); **E04C 2/205** (2013.01); **E04C 2/296** (2013.01)

Citation (examination)

- GB 2205597 A 19881214 - BOYTON SYSTEM BUILDINGS
- EP 0246856 A2 19871125 - ARISTODIMOU EMILIOS
- DE 3116444 A1 19830310 - VORINGER KONRAD

Cited by
DE202014001627U1; ITPG20090007A1; ITBZ20090058A1; US10538683B2; WO2016193920A1; WO2022173292A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1736609 A1 20061227; EP 1736609 B1 20110420; WO 2005090702 A1 20050929

DOCDB simple family (application)
EP 05728583 A 20050316; ES 2005000136 W 20050316