

Title (en)
Composite building elements

Title (de)
Verbund-Bauelemente

Title (fr)
Éléments de construction composites

Publication
EP 0789112 B1 20010404 (DE)

Application
EP 96120747 A 19961223

Priority
IT MN960005 A 19960207

Abstract (en)
[origin: EP0789112A1] Composite parts, comprising (A) a core layer of polystyrene(PS) particle foam and (C) at least one outer layer of cement mortar, with an interlayer (B) in which the mortar is interspersed in the spaces between the PS foam particles so as to form a continuous transition between layers (A) and (C) and bond these layers together. Also claimed is the production of these parts by (a) filling a mould with liquid cement mortar and PS foam beads with a large inter-bead volume, (b) evacuating the air from the mould and injecting steam, so that the mortar penetrates into the spaces between the beads, the beads expand and sinter together and the mortar sets and solidifies, and (c) cooling and demoulding the product.

IPC 1-7
E04C 2/288

IPC 8 full level
E04C 2/288 (2006.01)

CPC (source: EP)
E04C 2/288 (2013.01)

Cited by
DE10007775A1; WO2016041559A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB LI NL

DOCDB simple family (publication)
EP 0789112 A1 19970813; EP 0789112 B1 20010404; AT E200331 T1 20010415; DE 59606720 D1 20010510; IT 1287722 B1 19980818; IT MN960005 A1 19970807

DOCDB simple family (application)
EP 96120747 A 19961223; AT 96120747 T 19961223; DE 59606720 T 19961223; IT MN960005 A 19960207