

Title (en)

Prefabricated insulated panel with heating pipes embedded in concrete and method of manufacturing

Title (de)

Fertigbauteil mit Dämmmaterial und in Beton eingebetteten Heizleitungen sowie zugehöriges Herstellungsverfahren

Title (fr)

Panneau de construction préfabriqué avec de l'isolant et des tubes de chauffage noyés dans le béton et méthode de fabrication

Publication

EP 1422356 B1 20071024 (DE)

Application

EP 02026013 A 20021121

Priority

EP 02026013 A 20021121

Abstract (en)

[origin: EP1422356A1] Building panel comprises two reinforced concrete plates (12, 14). These are held apart by support grids (16) which are embedded in the concrete. The space between the plates is filled with thermal insulation (24) and the upper plate contains embedded pipes (22) for an underfloor heating system.

IPC 8 full level

E04C 2/52 (2006.01); **E04C 2/04** (2006.01); **E04C 2/288** (2006.01); **F24D 3/16** (2006.01)

CPC (source: EP)

E04B 5/04 (2013.01); **E04B 5/48** (2013.01); **E04C 2/044** (2013.01); **E04C 2/049** (2013.01); **E04C 2/06** (2013.01); **E04C 2/288** (2013.01); **E04C 2/525** (2013.01)

Cited by

EP2128353A1; US2015368902A1; EP1610064A1; CN105604239A; DE202008007139U1; EP2749704A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1422356 A1 20040526; **EP 1422356 B1 20071024**; AT E376612 T1 20071115; DE 50211117 D1 20071206

DOCDB simple family (application)

EP 02026013 A 20021121; AT 02026013 T 20021121; DE 50211117 T 20021121