

Title (en)

Thermal insulating floor panel with reinforcement and supported floor structure

Title (de)

Wärmeisolierende Bodenplatte mit Verstärkung und unterstütztes Bodensystem

Title (fr)

Panneau de plancher calorifuge avec renforcement et structure de plancher supportée

Publication

**EP 1739253 A2 20070103 (EN)**

Application

**EP 06253253 A 20060622**

Priority

GB 0512663 A 20050622

Abstract (en)

A floor structure 10 includes two panels 12, which abut. Each comprises a slab 14 of thermal insulation material. There is reinforcement 16, 18 at oppositely directed faces of the slab 14. The lower reinforcement 18 provides resistance in tension and may be a relatively thin layer formed by strands of reinforcing material running generally parallel to the lower face 20 of the slab 14. The upper reinforcement 16 is preferably a body of material which is incompressible relative to the slab 14, such as a concrete, screed or other cementitious material.

IPC 8 full level

**E04B 5/02** (2006.01); **E04F 15/024** (2006.01); **E04F 15/18** (2006.01)

CPC (source: EP GB)

**E04B 5/026** (2013.01 - EP); **E04B 5/04** (2013.01 - EP); **E04F 15/02405** (2013.01 - GB); **E04F 15/12** (2013.01 - GB)

Citation (examination)

DE 29822831 U1 19990318 - CASA DA VINCI BODENSYSTEME GMB [DE]

Cited by

US9914011B2; US10676920B2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1739253 A2 20070103**; **EP 1739253 A3 20070221**; GB 0512663 D0 20050727; GB 2427414 A 20061227

DOCDB simple family (application)

**EP 06253253 A 20060622**; GB 0512663 A 20050622