

Search strategy

Query

(GRAPHENE OR (GRAPHENE 1D OXIDE))/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/TX

PD<20151111

((BUILDING 1D PRODUCT) OR (BUILDING 1D PANEL) OR (DRYWALL 1D PANEL) OR (GYPSUM 1D PLASTERBOARD) OR BOARD+ OR PLYWOOD OR CELLING+ OR +BOARD+)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/TX

3 AND 1

4 AND 2

5 AND (LAYER OR STRIP OR FILM OR MEMBRANE OR SHEET)/CLMS/DESC/ODES/OBJ/ICLM/TI/AB/TX

6 AND (COVER+ OR COAT+)/CLMS/DESC/ODES/OBJ/ICLM/TI/AB/TX

(E04C-002)/IPC

7 AND 8

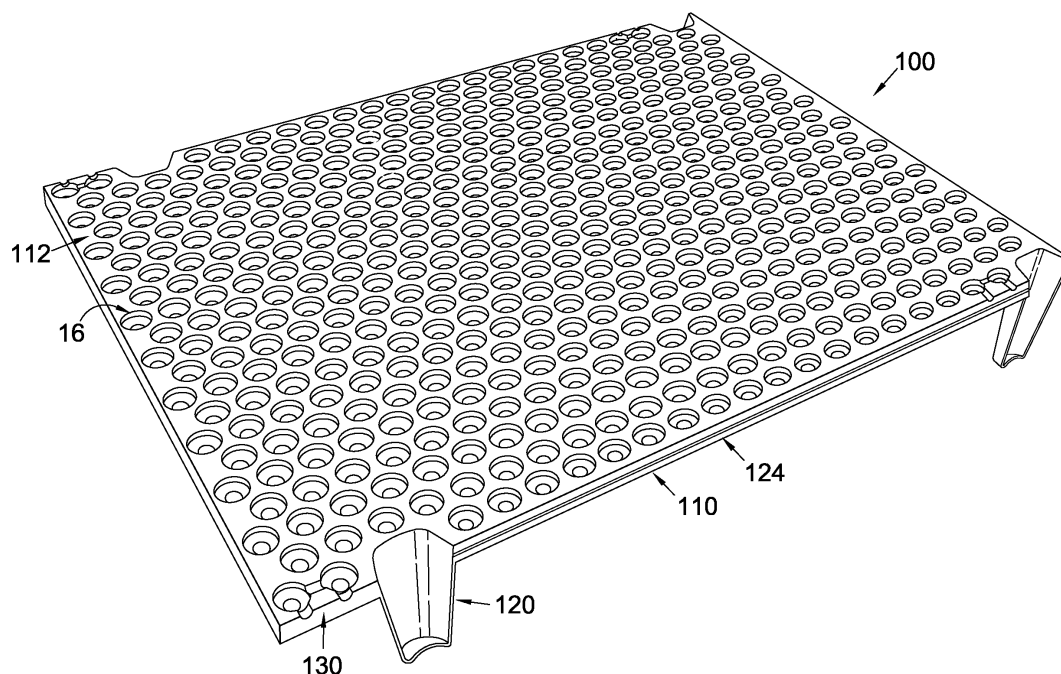
6 Documents

Publication numbers	Title	Current assignees
GB201409926 D0	Structural element	GRIDESIC HOLDINGS
GB201510442 D0	Fluid retaining structure	STANTEC, ...
GB201110808 D0	Building materials	KARM RESEARCH
FR2983884 A1	Device for thermal insulation and temperature control	CRAHAY ANDRE, ...
GB201420055 D0	Low density microspheres	TECHNION RESEARCH & DEVELOPMENT FOUNDATION
EP2671911 A1	A foam material with very low thermal conductivity and a process for manufacturing the foam material	ARMACELL ENTERPRISE

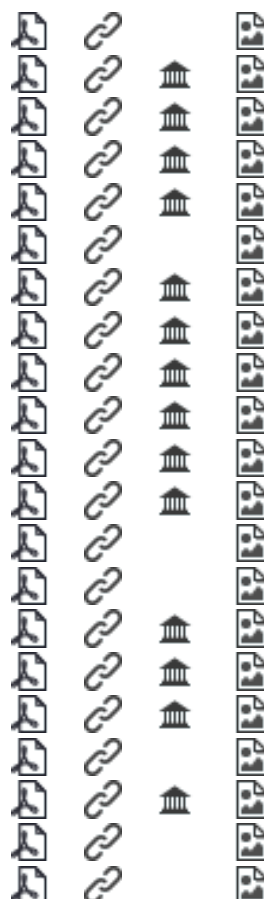
Title

Structural element

Images



GB201409926	D0	2014-07-16	GB201409926
CA2951111	A1	2015-12-10	CA2951111
WO2015185925	A1	2015-12-10	WO2015185925
GB2530237	A	2016-03-23	GB2530237
BR112016028310	A1	2016-12-13	BR112016028310
SG11201610133S	A	2017-01-27	SG11201610133S
AU2015270230	A1	2017-02-02	AU2015270230
KR20170017993	A	2017-02-15	KR20170017993
IL249359	A	2017-02-28	IL-249359
EP3152371	A1	2017-04-12	EP3152371
IN201617044345	A	2017-04-14	IN201617044345
US20170107011	A1	2017-04-20	US20170107011
PH12016502576	A1	2017-04-24	PH12016502576
MX2016015915	A	2017-05-30	MX2016015915
JP2017520411	A	2017-07-27	JP2017520411
CN107074291	A	2017-08-18	CN107074291
BR112016028310	A2	2017-08-22	BR112016028310
VN53683	A	2017-09-25	VN-53683
NZ727997	A	2018-05-25	NZ-727997
RU2016152163	A	2018-07-16	RU2016152163
RU2016152163	A3	2018-12-17	RU2016152163



Abstract

(EP3152371)

A structural element (10) for forming a **panel**, with an upper plane (12) and lower plane (14) which are parallel and deformed along their plane at intervals by pods (16) which extrude toward the opposing plane with their internal faces mating to one another.

Inventors

GRIDESIC HOLDINGS LIMITED

Latest standardized assignees - inventors removed

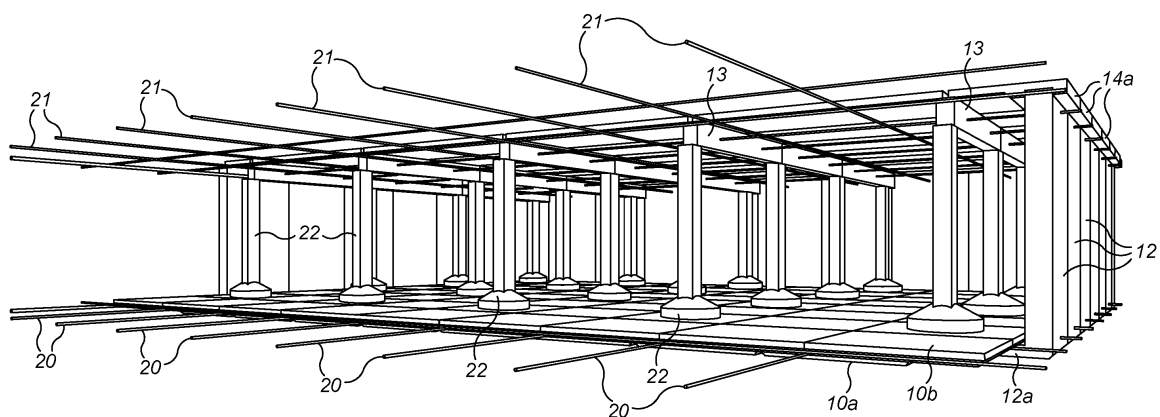
GRIDESIC HOLDINGS

Family 2/6 - FAMPAT - ©Questel

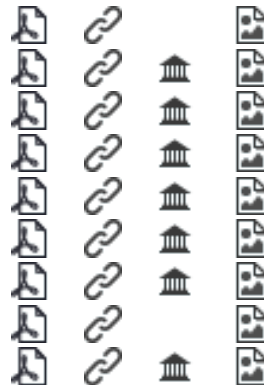
Title

(EP3307650)

Fluid retaining structure

Images**Publication data including kind & date**

GB201510442	D0	2015-07-29	GB201510442
CA2989257	A1	2016-12-22	CA2989257
WO2016203222	A1	2016-12-22	WO2016203222
AU2016278071	A1	2018-01-04	AU2016278071
EP3307650	A1	2018-04-18	EP3307650
US20180178977	A1	2018-06-28	US20180178977
KR20180073546	A	2018-07-02	KR20180073546
CL2017003198	A1	2018-08-24	CL3198201700
JP2018528127	A	2018-09-27	JP2018528127

**Abstract**

(EP3307650)

A fluid retaining structure comprising an electronic leak detection and location, ELDL, system, wherein the fluid retaining structure comprises inner and outer liners (18, 16) that form electrical isolation layers of the ELDL system, wherein an electrically conductive signal **layer** (10, 12) of the ELDL system provides structural rigidity to the fluid retaining structure.

Inventors

CROWTHER JON

SMITH COLIN

Latest standardized assignees - inventors removed

STANTEC

MWH

CARLOW PRECAST

SENSOR

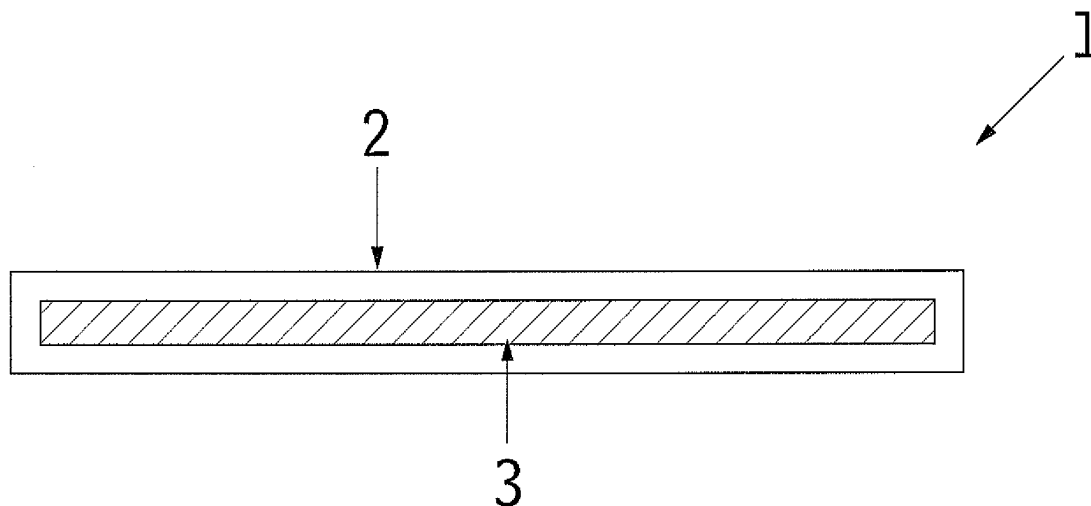
Family 3/6 - FAMPAT - ©Questel

Title

(EP2723953)

Building materials

Images



Publication data including kind & date

GB201110808	D0	2011-08-10	GB201110808
WO2013001286	A1	2013-01-03	WO201301286
GB2493492	A	2013-02-13	GB2493492
AU2012277587	A1	2014-01-16	AU2012277587
EP2723953	A1	2014-04-30	EP2723953
US20140329045	A1	2014-11-06	US20140329045



Abstract

(EP2723953)

The present invention relates to **building** materials, particularly **building** materials for placement on the outside of buildings.

Inventors

JONES MARK

Latest standardized assignees - inventors removed

KARM RESEARCH

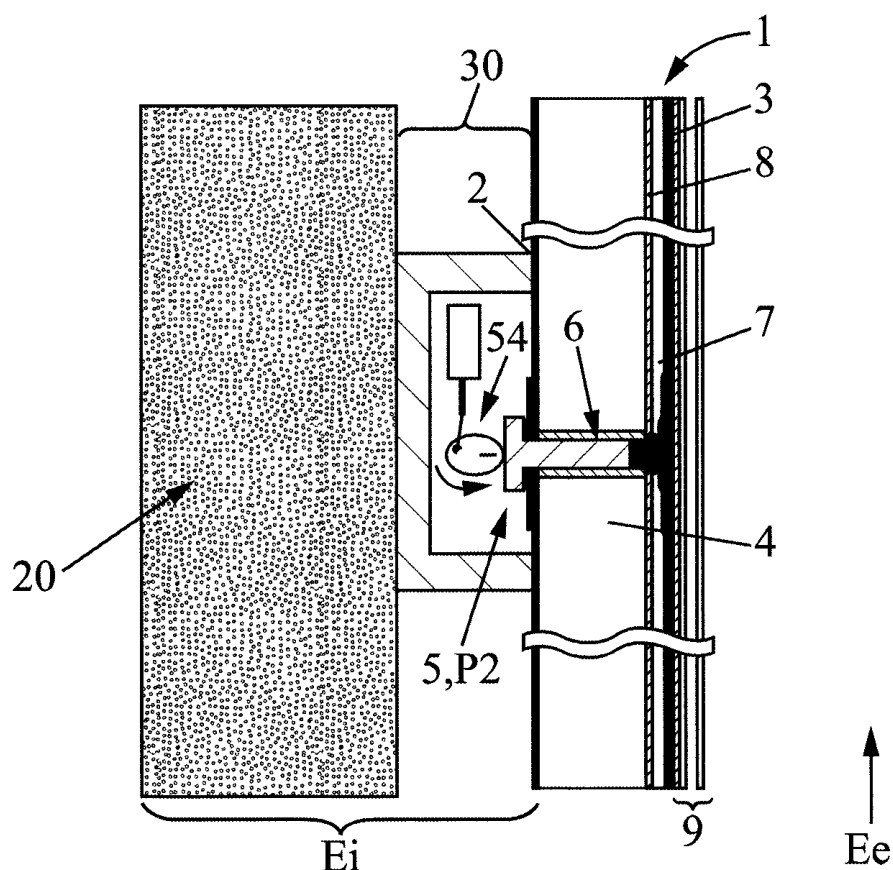
Family 4/6 - FAMPAT - ©Questel

Title

(WO201387664)

Device for thermal insulation and temperature control

Images



Publication data including kind & date

FR2983884	A1	2013-06-14	FR2983884
WO2013087664	A1	2013-06-20	WO201387664
FR2983884	B1	2014-02-07	FR2983884



Abstract

(WO201387664)

The invention relates to a thermal insulation and temperature control device (1) capable of enabling, in a first state of the device, thermal insulation between an inner space (Ei) and an outer space (Ee), and, in a second state of said device, heat transfer between said inner space (Ei) and said outer space (Ee), wherein said thermal insulation and temperature control device (1) includes: two parallel heat-transfer sheets consisting of an inner sheet (2) arranged so as to enable an exchange of energy with the environment of said inner space (Ei) and an outer sheet (3) arranged so as to exchange energy with the outer environment (Ee); thermal insulation (4) provided between said heat-transfer sheets (2, 3) and thermally insulating said transfer sheets from one another; a heat-conducting device (5) including a mobile portion (51, 52) capable of moving from a disconnection position (P1) in the first state of said device, in which the transfer of heat between the two heat-transfer sheets (2, 3) is prevented, into a connection position (P2) in the second state of said device, in which the heat transfer between the two heat-transfer sheets (2, 3) through a bore (6) in said thermal insulation (4) is enabled.

Inventors

CRAHAY ANDRE

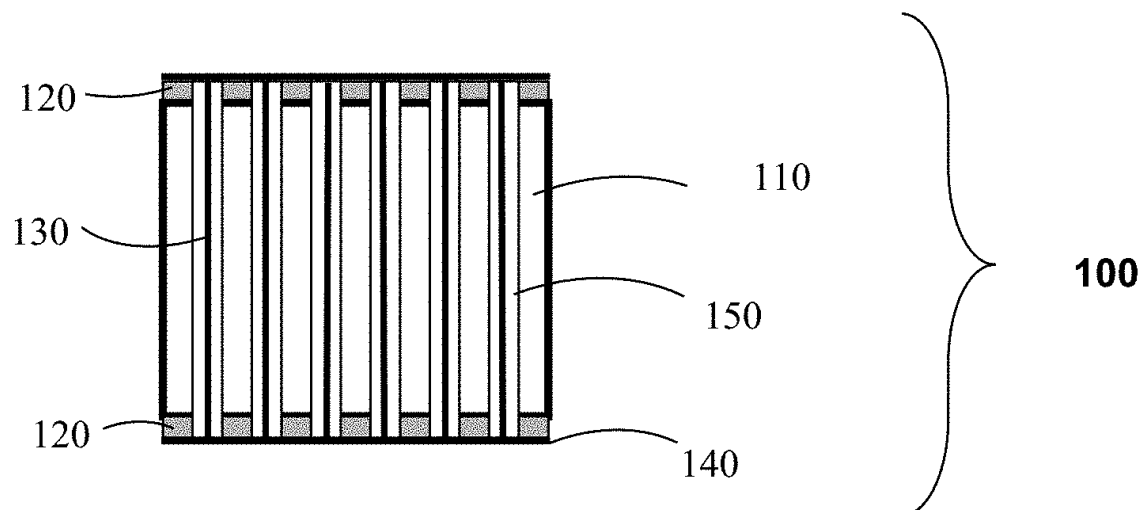
RENAUX CHRISTIAN

Family 5/6 - FAMPAT - ©Questel

Title

(WO201675692)

Low density microspheres

Images**Publication data including kind & date**

GB201420055	D0	2014-12-24	GB201420055
WO2016075692	A1	2016-05-19	WO201675692
IL252220	A	2017-07-31	IL-252220
US20170335083	A1	2017-11-23	US20170335083

**Abstract**

(WO201675692)

Low-density thermoplastic expandable microspheres are disclosed. Various low-density structures, in particular, sandwich panels, based on foam prepared from the low-density microspheres, are also disclosed. Process of preparing low-density polymeric microspheres, per se, and the corresponding low-density structures, based on the microsphere foam, are also disclosed.

Inventors

VAIKHANSKI LEV

COHEN YACHIN

Latest standardized assignees - inventors removed

TECHNION RESEARCH & DEVELOPMENT FOUNDATION

Family 6/6 - FAMPAT - ©Questel

Title

(EP2671911)

A foam material with very low thermal conductivity and a process for manufacturing the foam material

Images

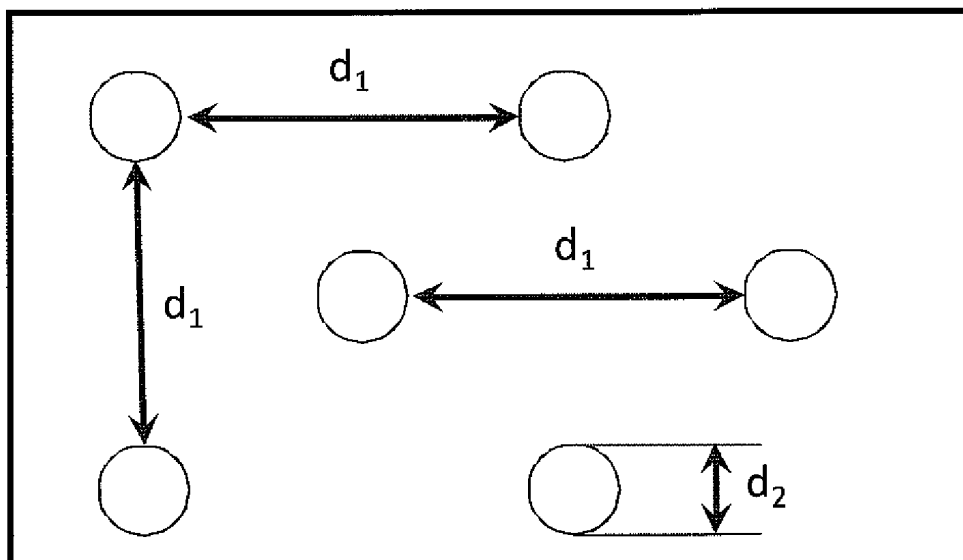


Figure 1

Aspect ratio = a/b

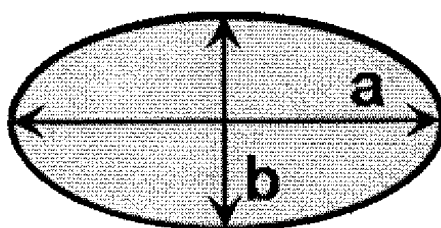


Figure 2

Publication data including kind & date

EP2671911	A1	2013-12-11	EP2671911
EP2671911	B1	2016-10-12	EP2671911
PT2671911	T	2016-12-06	PT2671911T
DK2671911	T3	2017-01-16	DK2671911T
SI2671911	T1	2017-02-28	SI2671911T
ES2610928	T3	2017-05-04	ES2610928
PL2671911	T3	2017-05-31	PL2671911
HUE032578	T2	2017-10-30	HUE032578



Abstract

(EP2671911)

This invention describes a foamed material wherein the foam is characterized by elongated cells, which have an aspect ratio larger than 1.5, and by a density according to ISO 845 of lower than 150 kg/m³, preferably lower than 80 kg/m³ and a process of manufacturing said material with very good thermal insulation properties. The thermal conductivity is decreased from typical 0.035 W/mK down to 0.025 W/mK by combination of cellular orientation and cell size distribution. In order to be able to achieve necessary cellular orientation level, the melt strength of the polyester resin was significantly increased by reactive extrusion and subsequent foaming, and the extrusion tooling and processing conditions were

optimized.

Inventors

MELLER MIKA

LI JIE

DOLEGA JUSTYNA

Latest standardized assignees - inventors removed

ARMACELL ENTERPRISE