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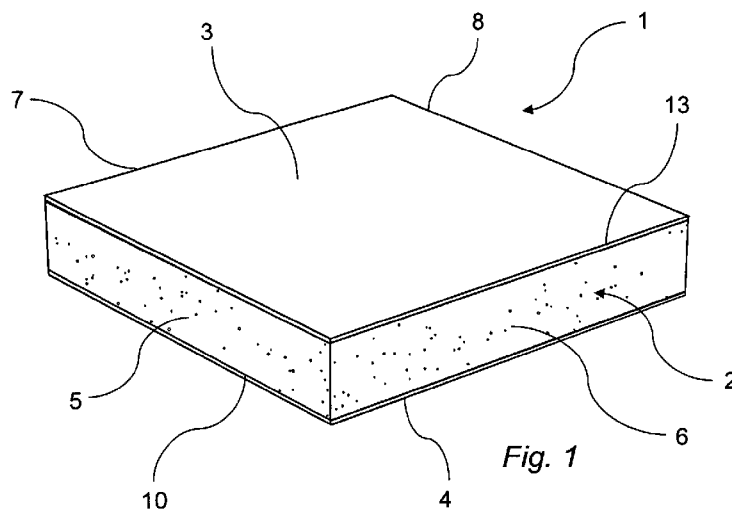
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- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

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(54) Title: METHOD FOR PROVIDING A TRANSPORT UNIT, A TRANSPORT UNIT AND A CEILING TILE



(57) Abstract: The present invention relates to a method for providing a transport unit (100) comprising a plurality of ceiling tiles (1, 1a, 1b, 1c) made of mineral fibres and a binder. Each ceiling tile (1, 1a, 1b, 1c) includes a front surface, a rear surface, at least one side surface and a front surface layer (10) arranged on the front surface. The method comprises arranging said plurality of ceiling tiles (1, 1a, 1b, 1c) in a at least one stack (30) including a top ceiling tile (1a), a bottom ceiling tile (1b) and at least one intermediate ceiling tile (1c), wherein the front surface layer (10) of each intermediate ceiling tile (1c) is facing a front surface layer (10) of an adjacent ceiling tile (1a, 1b, 1c), compressing said at least one stack (30) to a compressed state, and securing said at least one stack (30) in said compressed state. The invention further relates to a transport unit (100) and to a ceiling tile (1).



INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/071636

A. CLASSIFICATION OF SUBJECT MATTER
 INV. B65D71/02 B65D71/04 B65D85/16 B65B13/20 B65B27/02
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 ADD.
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 B65D B65B E04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 10 2004 022280 A1 (ROCKWOOL MINERALWOLLE [DE]) 21 July 2005 (2005-07-21) paragraph [0082]; figure 4 -----	1-3,5,7, 8,11
Y	EP 0 142 660 A1 (IRBIT HOLDING AG [CH]) 29 May 1985 (1985-05-29) page 2, line 30 - page 7, line 26 -----	1-3,5,7, 8,11
X	US 5 824 973 A (HAINES JAMES CHARLES [US] ET AL) 20 October 1998 (1998-10-20) -----	12
Y	column 1, line 22 - line 29 column 1, line 65 - column 2, line 16 column 3, line 8 - column 4, line 11 -----	13-17
Y	US 6 068 907 A (BEAUREGARD GHISLAIN [US]) 30 May 2000 (2000-05-30) column 2, line 66 - column 3, line 17 -----	13-15
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search 10 January 2013	Date of mailing of the international search report 25/01/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Yazici, Baris
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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/071636

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	AU 80566 82 A (TURNER A R) 26 August 1982 (1982-08-26) page 7, line 21 - line 29; figures 2,3 page 13, line 19 - line 22 -----	16,17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2011/071636

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

A method providing a transport unit comprising a plurality of ceiling tiles and a transport unit comprising at least one stack including a plurality of ceiling tiles.

2. claims: 12-17

A ceiling tile made of mineral fibres and a binder.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/071636

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102004022280 A1	21-07-2005	NONE	

EP 0142660 A1	29-05-1985	CA 1266027 A1	20-02-1990
		DE 8330528 U1	22-12-1983
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