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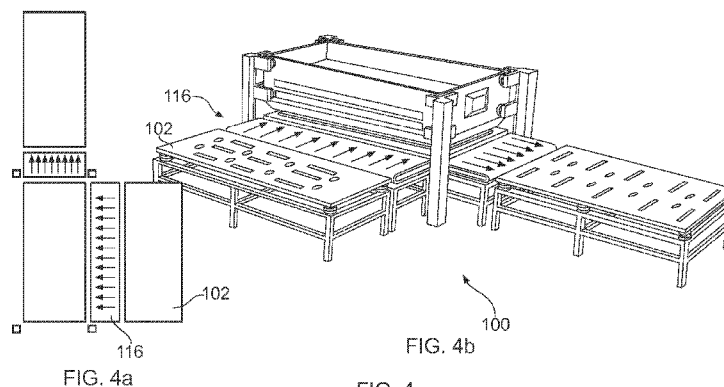
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- (88) Date of publication of the international search report:
30 January 2014

(54) Title: METHOD OF MANUFACTURING A SURFACE APPARATUS AND APPARATUS THEREFORE



(57) Abstract: Method and assembly for the manufacture of an apparatus (1) that provides a surface, e.g. a panel, said apparatus comprising a resin component and at least one aggregate component (15, 17).

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2013/051290

A. CLASSIFICATION OF SUBJECT MATTER

INV. B28B13/02 B29C67/24
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)

B28B B29C

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.
X	US 3 344 011 A (MURRAY GOOZNER) 26 September 1967 (1967-09-26)	1,3,4, 8-12, 31-33, 35-39, 42-47, 69-71
Y	column 1, line 8 - line 11	13-21,23
A	column 2, line 10 - line 15 column 5, line 10 - line 32 sentence 39 - sentence 52; example 2	2,5-7, 22, 24-30, 34,40,41
Y	----- US 2008/236092 A1 (SICH JOHN [US] SICH JOHN H [US]) 2 October 2008 (2008-10-02)	13,14
A	paragraph [0029] - paragraph [0030]; figure 1 ----- -/-	1-12, 15-50



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

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13/11/2013

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2013/051290

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 290 953 A1 (CERAMICHE COTTO EMILIANO CO EM [IT]) 17 November 1988 (1988-11-17) figures 3,4 -----	15-18
Y	DE 23 51 758 A1 (SANTANDREA MARC G) 9 May 1974 (1974-05-09) figure 2 -----	19-21,23
A	DE 10 24 429 B (HEINRICH SCHAEFER DIPL ING) 13 February 1958 (1958-02-13) figure 1 -----	13-26

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2013/051290

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.:

1-50, 69-71

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: 1-50, 69-71

Method of manufacturing a product that provides a surface and product obtained thereby, using a resin component and an aggregate component, wherein several vibrating steps are performed during moulding.

2. claims: 51-54, 63-68

Apparatus and method of producing a product that provides a surface using a resin component and an aggregate component, wherein the aggregate component is released from a bottom region of a container by rotating a plurality of elongate parallel panels.

3. claims: 55-62

Apparatus for producing a product that provides a surface using a resin component and an aggregate component, wherein the aggregate container comprises at least one mesh layer at the bottom region of said containe

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2013/051290

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3344011	A	26-09-1967	NONE
US 2008236092	A1	02-10-2008	US 2008236092 A1 02-10-2008 US 2012023850 A1 02-02-2012
EP 0290953	A1	17-11-1988	DE 3866585 D1 16-01-1992 EP 0290953 A1 17-11-1988 ES 2027724 T3 16-06-1992 IT 1210289 B 14-09-1989
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DE 1024429	B	13-02-1958	NONE