FIG. 1c


(54) Title: STRUCTURAL PANEL FOR ENGINEERING APPLICATIONS AND METHOD FOR MANUFACTURING SUCH A STRUCTURAL PANEL

(57) Abstract: The invention relates to a structural panel comprising a core of fibre material and outer layers on opposite sides of the core, wherein the core of fibre material is received in pre-shaped grooves provided in one outer layer's surface, the remaining area in said grooves being completely filled with resin material so as to avoid any air remaining in said grooves.
A. CLASSIFICATION OF SUBJECT MATTER

INV. B29C70/30 B29C33/42

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B29D 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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>US 5 374 466 A (BLEASDALE DESMOND H [AU]) 20 December 1994 (1994-12-20) column 2, line 51 - column 3, line 25</td>
<td>1-9</td>
</tr>
<tr>
<td>A</td>
<td>DE 19 22 310 A1 (STARTZ SIEGFRIED) 4 February 1971 (1971-02-04) claims 1,5-10</td>
<td>1-9</td>
</tr>
</tbody>
</table>

D. Further documents are listed in the continuation of Box C.

X 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 document 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

'S' 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 consideration being obvious to a person skilled in the art

'A' document member of the same patent family

Date of the actual completion of the international search

5 October 2009

Date of mailing of the international search report

20/10/2009

Authorized officer

Van Wal lene, Al lard
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 0650825</td>
<td>03-05-1995</td>
<td>DE 69422776 D1</td>
<td>02-03-2000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DE 69422776 T2</td>
<td>31-08-2000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 7187085 A</td>
<td>25-07-1995</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 5451377 A</td>
<td>19-09-1995</td>
</tr>
<tr>
<td>US 5374466</td>
<td>20-12-1994</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>DE 1922310</td>
<td>04-02-1971</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

Form PCT/ISA/210 (patent family annex) (April 2005)