Title: EQUILATERAL STRAND COMPOSITE LUMBER AND METHOD OF MAKING SAME

Abstract: A method of forming a composite beam includes cutting an elongated piece of wood to produce strands having cross sections with a substantially symmetrical equilateral polygonal shape. Resin is then applied to the strands, and the strands are formed into a composite beam.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC: B05C 1/00 (2006.01); B05C 3/00 (2006.01); B23Q 15/00 (2006.01); B23Q 16/00 (2006.01); B27B 1/00 (2006.01); B32B 5/00 (2006.01); B32B 5/12 (2006.01); B32B 7/00 (2006.01)

USPC: 428/98,106,114;144/52,357

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)

U.S.: 428/98,106,114;144/52,357

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)

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>X</td>
<td>US 4,508,772 (CHURCHLAND et al) 2 Apr. 1985 (02.04.1985), entire patent</td>
<td>1-3, 5, 7-8, 10-11, 13-19, 21-24, 26, 28-33, 35 and 38-41</td>
</tr>
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<td></td>
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<td>27, 36, 37</td>
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<tr>
<td>Y</td>
<td>US 6,569,279 (PARK et al.) 27 May 2003 (27.05.2003), entire patent</td>
<td>20</td>
</tr>
</tbody>
</table>

* Further documents are listed in the continuation of Box C. See patent family annex.

* A document defining the general state of the art which is not considered to be of particular relevance

* A document published prior to the international filing date but later than the priority date

* A document published prior to the international filing date but not in conflict with the application but cited to understand the principle or theory underlying the invention

* A 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

* A 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, each combination being obvious to a person skilled in the art

* A document defining the general state of the art which is not considered to be of particular relevance

* A document published prior to the international filing date but later than the priority date

Date of the actual completion of the international search
09 January 2007 (09.01.2007)

Date of mailing of the international search report
22 Feb 2007

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