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(54) Title: MECHANISM FOR AUTOMATICALLY CUTTING AND PLACEMENT OF RESIN IMPREGNATED FIBERS

(57) Abstract: Mechanism for automatically cutting and placement of wax impregnated fibers in a carrier setting to the carriage that moves longitudinally and transversely relative to the axis of the wond part and where is provided more pneumatic cylinders one of which is rotational and other are used for longitudinal movement of the components mounted of the guides, for linear motion and implication and extraction of the matrix, for opening and closing the knife and the moving of pressure roller.
Declarations under Rule 4.17:
— of inventorship (Rule 4.17(iv))

Published:
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INTERNATIONAL SEARCH REPORT

INTERNATIONAL SEARCH REPORT

International application No
PCT/MK2012/00Q002

A. CLASSIFICATION OF SUBJECT MATTER

INV.: B29C70/54
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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)
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

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<td>A</td>
<td>FR 2 692 520 AI (MEDITERRANEAN COnST INDLE [FR]) 24 December 1993 (1993-12-24) page 2, line 26 - line 37 figure 6</td>
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<tr>
<td>A</td>
<td>EVANS DON 0 ED - MRACLE &amp; S L DONALDSON D B: &quot;ASM HANDBOOK, Composites, Fiber Placement&quot;, 1 December 2001 (2001-12-01), ASM HANDBOOK - COMPOSITES, ASM INTERNATIONAL, MATERIALS PARK, OHIO, USA, PAGE(S) 477 - 479, XP002565730, ISBN: 978-0-87-170-703-1 figures 1,2 page 477</td>
<td>1-7</td>
</tr>
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Date of the actual completion of the international search
4 September 2012

Date of mailing of the international search report
13/09/2012

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
Jouannon, Fabien
**INTERNATIONAL SEARCH REPORT**

International application No
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**DOCUMENTS CONSIDERED TO BE RELEVANT**

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<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<th>Patent family member(s)</th>
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<tbody>
<tr>
<td>FR 2692520</td>
<td>24-12-1993</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AU 3946285 A</td>
<td>19-09-1985</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA 1255202 AI</td>
<td>06-06-1989</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DE 3571308 DI</td>
<td>10-08-1989</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP 0154321 AI</td>
<td>11-09-1985</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 1675416 C</td>
<td>26-06-1992</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 3038093 B</td>
<td>07-06-1991</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 61005907 A</td>
<td>11-01-1986</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 4569716 A</td>
<td>11-02-1986</td>
</tr>
<tr>
<td>US 2008302483</td>
<td>11-12-2008</td>
<td>EP 2164696 A2</td>
<td>24-03-2010</td>
</tr>
<tr>
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<td></td>
<td>US 2008302483 AI</td>
<td>11-12-2008</td>
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<tr>
<td></td>
<td></td>
<td>Wo 2008154269 A2</td>
<td>18-12-2008</td>
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