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(71) Applicant (for all designated States except US): NEFILA LTD, [GB/GB]; Upperwoods Farm, Beckley, Oxfordshire OX3 9TF (GB).  

(72) Inventors; and  

(75) Inventors/Applicants (for US only): CARTER, Robin [GB/GB]; c/o Nefila Ltd., Upperwoods Farm, Beckley, Oxford, Ox-
fordshire OX3 9TF (GB).  

(74) Agent: HARRISON, Robert; Herzogspitalstrasse 10a, 80331 Munich (DE).  

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(54) Title: NON-WOVEN SILK MATERIALS AND METHODS FOR MANUFACTURE THEREOF  

(57) Abstract: A method for the manufacture of a silk non-woven silk material (240) is described. The method comprising steaming whole ones of the one or more silk cocoons (230), slitting open the one or more silk cocoons, placing the slit silk cocoons (230) on a heated surface (210, 220) and then compressing the slit silk cocoons on the heated surface at 100-130°C. Applications of the non-woven silk material of this disclosure include for the manufacture of vehicular tyres and panels.  

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Fig. 1

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**INTERNATIONAL SEARCH REPORT**

**International application No**
PCT/EP2012/061516

### A. CLASSIFICATION OF SUBJECT MATTER

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<th>D01B7/04</th>
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### ADD.

According to International Patent Classification (IPC) or its national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

D04H D01B B32B

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

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<td>CN 101 481 850 A (UNIV ZHEJIANG SCIENCE &amp; TECH [CN] UNIV ZHEJIANG SCIENCE &amp; TECH) 15 July 2009 (2009-07-15) See attached translation from SI PO</td>
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**Date of the actual completion of the international search**

29 January 2013

**Date of mailing of the international search report**

05/02/2013

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