

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 September 2006 (21.09.2006)

PCT

(10) International Publication Number
WO 2006/099156 A3

(51) International Patent Classification:

B32B 37/12 (2006.01) **B05B 7/00** (2006.01)
B32B 37/24 (2006.01) **B82B 3/00** (2006.01)
B32B 38/00 (2006.01)

(21) International Application Number:

PCT/US2006/008622

(22) International Filing Date: 10 March 2006 (10.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/660,412 10 March 2005 (10.03.2005) US

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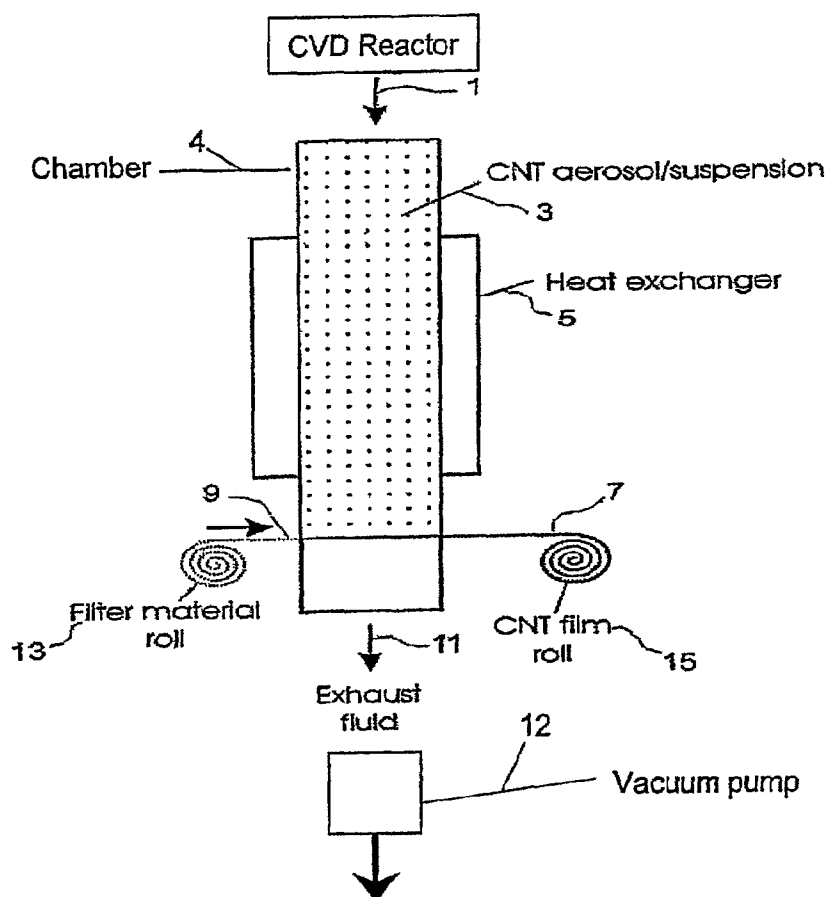
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: THIN FILM PRODUCTION METHOD AND APPARATUS



(57) Abstract: A method for forming a thin film material which comprises depositing solid particles from a flowing suspension or aerosol onto a filter and next adhering the solid particles to a second substrate using an adhesive.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
15 February 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/08622

A. CLASSIFICATION OF SUBJECT MATTER IPC: B32B 37/12(2006.01),37/24(2006.01),38/00(2006.01);B05B 7/00(2006.01);B82B 3/00(2006.01) USPC: 156/230,231,241,272.2,274.4;118/308;977/734,882 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. : 156/230, 231, 241, 272.2, 274.4; 118/308; 977/734, 882 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) Please See Continuation Sheet																							
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Category *</th> <th style="width: 70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td>US 2004/0197546 A1 (RINZLER et al.) 07 October 2004 (07.10.2004), entire document.</td> <td>1, 4-6, 8-10, 13, 15, 16, 18, 22-24, 26-29</td> </tr> <tr> <td style="text-align: center;">X ✓</td> <td>US 6,749,862 B2 (TILLOTSON et al.) 15 June 2004 (15.06.2004), entire document.</td> <td>22, 24, 25</td> </tr> <tr> <td style="text-align: center;">X</td> <td>US 6,824,689 B2 (WANG et al.) 30 November 2004 (30.11.2004), entire document.</td> <td>22, 24, 26-28</td> </tr> <tr> <td style="text-align: center;">X</td> <td>US 2003/0147802 A1 (SMALLEY et al.) 07 August 2003 (07.08.2003), [0041]-[0042].</td> <td>19-21</td> </tr> <tr> <td style="text-align: center;">Y</td> <td></td> <td>1-18, 29, 30</td> </tr> <tr> <td style="text-align: center;">X ✓</td> <td>US 2004/0166235 A1 (FUJI et al.) 26 August 2004 (26.08.2004), [0056].</td> <td>22, 24, 25</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2004/0197546 A1 (RINZLER et al.) 07 October 2004 (07.10.2004), entire document.	1, 4-6, 8-10, 13, 15, 16, 18, 22-24, 26-29	X ✓	US 6,749,862 B2 (TILLOTSON et al.) 15 June 2004 (15.06.2004), entire document.	22, 24, 25	X	US 6,824,689 B2 (WANG et al.) 30 November 2004 (30.11.2004), entire document.	22, 24, 26-28	X	US 2003/0147802 A1 (SMALLEY et al.) 07 August 2003 (07.08.2003), [0041]-[0042].	19-21	Y		1-18, 29, 30	X ✓	US 2004/0166235 A1 (FUJI et al.) 26 August 2004 (26.08.2004), [0056].	22, 24, 25
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Date of the actual completion of the international search 12 September 2006 (12.09.2006)	Date of mailing of the international search report 06 NOV 2006																						
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Melvin Curtis Mayes Telephone No. 571-272-1700 DEBORAH A. THOMAS PARALEGAL SPECIALIST																						

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/08622

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2003/0111946 A1 (TALIN et al.) 19 June 2003 (19.06.2003), entire document.	22, 24, 25 1-3, 7, 15, 17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/08622

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: nanotubes, adhesive, filter