

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/060941 A2

(51) International Patent Classification⁷: **H01J**
(21) International Application Number: PCT/US03/01159
(22) International Filing Date: 15 January 2003 (15.01.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/348,275 15 January 2002 (15.01.2002) US
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITIONS OF SUSPENDED CARBON NANOTUBES, METHODS OF MAKING THE SAME, AND USES THEREOF

(57) Abstract: The invention is directed, in part, to stable compositions of suspended carbon nanotubes, methods of making them, and uses thereof. The invention provides methods of producing high and low concentrations of highly dispersed carbon nanotubes suspended in a liquid. The carbon nanotube suspensions are of use in generating products with improved strength, weight, strength to weight ratio, electrical and thermal versatility, radiation shielding, capacitance, dielectric properties, selective ion flow, catalytic activity and biological applications. The invention provides for industrial processing of materials comprising carbon nanotubes such as, but not limited to, fibers, films, synthetic membranes, coatings, drug delivery systems, and molecular circuitry components.



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