B/O FORM PTO-1595 U.S. Department of Commerce Patent and Trademark Office Recordation Form Cover Sheet PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of Conveying Party: 2. Name and Address of Receiving Jeung-ku KANG Party(ies): Seong-ho YANG 3. Hyun-Seok KIM Name: 4. Kyu-Sung HAN KOREA ADVANCED INSTITUTE OF SCIENCE AND 5. Se-Yun KIM TECHNOLOGY 6. Jung-Woo LEE Street Address: 7. Weon-Ho SHIN 8. Jun-Hyeon BAE 373-1, Guseong-dong Yuseong-ku 3. Nature of Conveyance City, State, Zip: XX Assignment Merger Daejeon 305-701, Republic of Korea Security Agreement Change of Name Other Execution Date: 1. September 17, 2007 2. September 17, 2007 3. September 17, 2007 4. September 17, 2007 5. September 17, 2007 6. September 17, 2007 7. September 17, 2007 8. September 17, 2007 4. (A) Patent Application Number(s): 4. (B) Patent Number(s): 11/878,155 If this document is being filed together with a new application, the execution date of the application is: 5. Name and Address of Party to whom 6. Total Number of Applications Involved: Correspondence Concerning this Document Should be Mailed: 7. Total Fee: (37 CFR 3.41) \$ 40.00 Enclosed. Name: Gary M. Nath Authorized to be charged to deposit Address: THE NATH LAW GROUP account any deficiency or credit any 112 South West Street excess. Alexandria, VA 22314 8. Deposit Account Number: 14-0112 ATTACH DUPLICATE COFY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT. DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. By: Date: October 5, 2007 Gáry M. Nath, Reg. No. 26,965 Jerald L. Meyer, Reg. No. 41,194 Customer No. 20529 Attorney Docket No. 285120

> PATENT REEL: 019934 FRAME: 0579

GMN/JLM/le

Total number of pages comprising cover sheet: 1

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703 683 8383;

0ct-5-07 15:36;

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Page One of Two

PATENT

Attorney Docket No.: 28512U

### ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to KANG, Jeung-ku; YANG, Seong-Ho; KIM, Hyun-Seok; HAN, Kyu-Sung; KIM, Se-Yun; LEE, Jung-Woo; SHIN, Weon-Ho; and BAE, Jun-Hyeon; hereinafter referred to as the ASSIGNOR(S), who has/have invented certain new and useful NITROGEN-MEDIATED MANUFACTURING METHOD OF TRANSITION METAL-CARBON NANOTUBE HYBRID MATERIALS, hereinafter referred to as the invention, for which I/we has/have executed an application for Letters Patent in the United States Patent and Trademark Office on July 20, 2007 as Patent Application No. 11/878,155.

WHEREAS, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, a corporation organized and existing under the laws of the country/state of Republic of Korea, whose post address/business address is 373-1, Guseong-dong, Yuseong-ku, Daejeon 305-701, Republic of Korea, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, WITNESSETH THIS that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, said ASSIGNOR(S) hereby assign(s), sell(s) transfer(s) to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals. reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as said ASSIGNOR(S) might or could have held and enjoyed the same had this assignment not been made.

> PATENT REEL: 019934 FRAME: 0580

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PATENT

Attorney Docket No.: 28512U

#### ASSIGNMENT

ALSO, said ASSIGNOR(S) hereby agree(s) to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon.

AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

| _ the Treed   | Soptember 17        |
|---|---------------------|
| Inventor's Name: KANG, Jeung-ku<br>(first or sole inventor) | Date                |
| yang-   | September 17. 2007  |
| Inventor's Name: YANG, Seong-Ho (second inventor)           | Date                |
| Germa   | September 17,200    |
| Inventor's Name: KIM, Hyun-Seok (third inventor)            | Date                |
| 22h   | Soptember 17.2007   |
| Inventor's Name: HAN, Kyu-Sung (fourth inventor)            | Date                |
| Seyun   | September M. ≥00n   |
| Inventor's Name: KIM, Se-Yun (fifth inventor)               | Date                |
| (TITCH THVEHCOI)  | September 17. 2007. |
| Inventor's Name: LEE, Jung-Woo (sixth inventor)             | Date                |
|   | _ Geptember 17.200  |
| Inventor's Name: SHIN, Weon-Ho (seventh inventor)           | Date                |
|   | September 17.200    |
| Inventor's Name: BAE, Jun-Hyeon (eighth inventor)           | Date                |

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Oct-5-07 15:35;

Page 1/4

Gary M. Nath (DC, NI)\* Ross A. Epstein (CA)\* Joshua B. Goldberg (MA, IX) Jerald L. Meyer (\*\*4) Robert P. Cogan (CA. 1X)\*

Harold L. Novick on MON. Of Counsel

Gregory B. Kang (IX), ND: On Subbatical

Irvin A. Lavine, Retired Donald M. Sandler, Retired

Patent, Trademark and Copyright Causes. Unfair Competition, Trade Secrets, Licensing and Litigation

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\*Practice lunited to Matters and Proceedings before Federal Courts and Agencies: not Admitted in VA

# FACSIMILE

To: ASSIGNMENT DIVISION

1-571-273-0140

From: THE NATH LAW GROUP

U.S. Filing Department

Recordation of Assignment

Attorney Docket No. 28512U

Inventor(s): KANG, et al. Serial No.: 11/878,155

Filing Date:

Title:

July 20, 2007 Conf. No.: 5627

NITROGEN-MEDIATED MANUFACTURING METHOD OF TRANSITION

METAL-CARBON NANOTUBE HYBRID MATERIALS

Total Number of Pages: 4

### Comments:

Re:

Please find enclosed a Patent Recordation form cover sheet, and an executed Assignment (2 pages), for recordation.

Respectfully submitted,

THE NATH LAW GROUP

Date: October 5, 2007

gary M. Nath, R**∉**g. No. 26,965 Jerald L. Meyer, Req. No. 41,194

Art Unit:

Examiner:

XXXX

XXXX

Customer No. 20529

I hereby certify that on this date I have transmitted by facsimile a copy of a Patent Recordation form cover sheet and an Assignment, for recordation in the United States Patent and Trademark Office.

SHOULD ANY DIFFICULTIES BE INCURRED WITH THE RECEIPT OF THIS FACSIMILE TRANSMISSION (IN WHOLE OR IN PART), PLEASE CONTACT THE SENDER AT THE ABOVE TELEPHONE NUMBER FOR RETRANSMISSION.

GMN/JLM/le

**PATENT** REEL: 019934 FRAME: 0582

RECORDED: 10/05/2007

<sup>\*\*</sup>Registered Potent Agent: not Admitted in VA