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Atty Ref/Docket No.: 2413.040US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jinyao Tang, Samuel Jonas Wind

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[] Assignment [] Merger

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[X] Other - Correct name and address of receiving party
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2. Name and address of receiving party(ies):

Name: The Trustees of Columbia University in the City
of New YorkStreet Address: 535 West 116th Street
412 Low Memorial LibraryCity: New York State: New York Zip: 10027
Country: United States of America

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: August 10, 2006, October 5, 2006

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 11/454,638, filed June 16, 2006

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence
concerning document should be mailed:Name: Suneel Arora

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402-09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

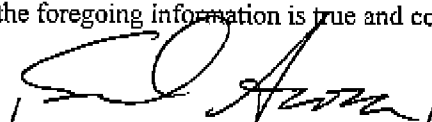
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy
of the original document.Suneel Arora/Reg. No. 42,267

Name of Person Signing



Signature

October 12, 2010

Date

Total number of pages including cover sheet: 5

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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Jinyao Tang (8/10/2006) and Samuel J. WIND
(10/5/2006)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Columbia University

Internal Address:

Street Address:

412 Low Memorial Library, MC 4308
535 West 116th Street

City: New York

State: New York

Country: United States of America Zip: 10027

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): In parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

4. Application or patent number(s):

A. Patent Application No.(s)

11/454,638

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Gary A. Walpert
WILMER CUTLER PICKERING HALE AND
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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting fee)

8. Payment Information

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b. Deposit Account Number 08-0219

Authorized User Name Gary A. Walpert

9. Signature:



Signature

November 14, 2006

Date

Jane M. Love, Ph.D. - 42, 812

Name of Person Signing

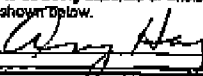
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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: November 14, 2006

Signature:



(Amy Hagan)

Attorney Docket No. 19240.403 US4

ASSIGNMENT

WHEREAS, we, Jinyao Tang, residing at 362 Riverside Drive, #4B6, New York, NY 10025, USA; and Samuel J. Wind, residing at 82 Smith Avenue, White Plains, NY, 10605 USA, collectively, the "Assignors," are the inventors of certain new and useful inventions and discoveries, disclosed in a patent application entitled "METHODS FOR FABRICATING NANOSCALE ELCTRODES AND USES THEREOF" filed with the United States Patent and Trademark Office as U.S. Patent Application No.11/454,638 on June 16, 2006, hereinafter, the "Application"; and

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of the State of New York, having its principal office at 110 Low Memorial Library, 535 West 116th Street, New York, NY 10027, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications or any foreign regional or national applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in

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Assignment
U.S. Application No.: 11/454,638

Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10 day of
08/2006 (Month/Year).


Jinyao Tang

On this 10 day of 08/2006 (Month/Year), Jinyao Tang, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: 

Printed Name: FEI REN

Residential Address:

527 W 121st ST #1A
New York, NY 10027

Assignment
U.S. Application No.: 11/454,638

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5th day of
October 2006 (Month/Year).



Samuel J. Wind

On this _____ day of _____ (Month/Year), Samuel J. Wind, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth.

WITNESS: 

Printed Name: RICHARD J. HARRISON

Residential Address:

71 WISCONSIN AVE

CONYNGHAM, NY 10925