



10-12-2005



103097593

Attorney Docket No. 201009-8000

MARK OFFICE

In re Patent Application of ) Confirmation No. 4049  
Stephen J. FONASH et al. ) Group Art Unit: 2812  
Application No.: 11/008,989 ) Examiner: Unassigned  
Filed: December 13, 2004 )  
For: CONTROLLED NANOWIRE GROWTH )  
IN PERMANENT, INTEGRATED NANO- ) Date: October 5, 2005  
TEMPLATES AND METHODS OF  
SENSOR AND TRANSDUCER  
STRUCTURES

**REQUEST FOR CORRECTED NOTICE OF RECORDATION**

Mail Stop: Assignment Recordation Services  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a copy of the Notice of Recordation of Assignment Document marked in red ink to show corrections that are needed. The fifth assignor's name is incorrectly stated as Joseph D. Cuffi; whereas, the correct assignor's name should read:

--Joseph D. Cuiffi--

Thus, it is requested that a Corrected Notice of Recordation be issued. The Commissioner is, however, authorized to charge any deficiencies in fees or to credit any overpayment to counsel's Deposit Account No. 19-2380.

In view of the above, it is requested that a Corrected Notice of Recordation to be issued.

Respectfully submitted,

Scott J. Hawranek  
Registration No. 52,411

NIXON PEABODY LLP  
401 9<sup>th</sup> Street, N.W.  
Washington, D.C. 20004  
(202) 585-8000  
Fax: (202) 585-8080

4/15/05

04-20-2005

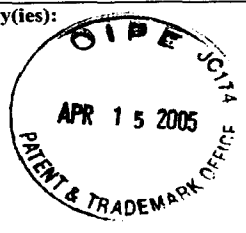


102985180

U.S. DEPARTMENT OF  
COMMERCE  
U.S. Patent and Trademark Office  
Docket No: 201009-8000


To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> Stephen J. FONASH Yinghui SHAN Chih-Yi PENG Ali Kaan KALKAN Joseph D. CUFFI Daniel HAYES Paul BUTTERFOSS Wook Jun NAM  <b>Additional name(s) of conveying party(ies) attached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  <b>Execution Date(s):</b> Stephen J. FONASH - March 9, 2005 Yinghui SHAN - March 9, 2005 Chih-Yi PENG - April 1, 2005 Ali Kaan KALKAN - March 9, 2005 Joseph D. CUFFI - April 5, 2005 - <i>Joseph D. Cuffi</i> Daniel HAYES - April 5, 2005 Paul BUTTERFOSS - March 9, 2005 Wook Jun NAM - March 9, 2005	<b>2. Name and address of receiving party(ies)</b> <b>Name:</b> <u>The Penn. State Research Foundation</u> <b>Street Address:</b> <u>304 Old Main</u>  <b>City:</b> <u>University Park</u> <b>State:</b> <u>PA</u> <b>Zip:</b> <u>16802-7000</u> <b>Country:</b> <u>U.S.</u> <b>Postal Code:</b> _____  <b>Additional name(s) &amp; address(es) attached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<b>4. Application number(s) or patent number(s);</b> If this document is being filed together with a new application, the filing date of the application is: _____ <b>A. Patent Application No.(s)</b> <u>11/008,989</u> <b>B. Patent No.(s)</b> _____  <b>Additional numbers attached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  <b>Attorney Name:</b> <u>Scott J. Hawranek</u>  <b>Firm Name:</b> <u>Nixon Peabody LLP</u>  <b>Internal Address:</b> <u>Suite 900</u>  <b>Street Address:</b> <u>401 9th Street, N.W.</u>  <b>City:</b> <u>Washington</u> <b>State:</b> <u>D.C.</u> <b>Zip:</b> <u>20004-2128</u>	<b>6. Total number of applications and patents involved:</b> _____  <b>7. Total fee (37 CFR 3.41).....</b> <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b> <u>19-2380</u>  (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

<b>9. Statement and signature.</b> <i>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.</i>  <u>Scott J. Hawranek, Reg. No. 52,411</u> Name of Person Signing   Signature  <u>April 15, 2005</u> Date  <b>Total number of pages including cover sheet, attachments, and documents:</b> _____	
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<b>CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]</b>  <b>I hereby certify that this correspondence is being:</b>  <input type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450  <input type="checkbox"/> transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____  <table><tr><td>_____ Date</td><td>_____ Signature</td></tr><tr><td colspan="2">_____ Typed or printed name</td></tr></table>		_____ Date	_____ Signature	_____ Typed or printed name	
_____ Date	_____ Signature				
_____ Typed or printed name					

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40.00 DA Mail documents to be recorded with required cover sheet information to:  
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W648002.1

PATENT  
REEL: 017063 FRAME: 0142

**ASSIGNMENT**

Serial No. 11/008,989

Filed: December 13, 2004

WHEREAS, Stephen J. FONASH, Yinghui SHAN, Chih-Yi PENG, Ali Kaan KALKAN, Joseph D. CUIFFI, Daniel HAYES, Paul BUTTERFOSS, Wook Jun NAM (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in CONTROLLED NANOWIRE IN PERMANENT INTEGRATED NANO-TEMPLATES AND METHOD OF FABRICATING SENSOR AND TRANSDUCER STRUCTURES for which an application for Letters Patent of the United States of America has been executed by the undersigned on \_\_\_\_\_ and;

WHEREAS, The Penn. State Research Foundation, at 304 Old Main, University Park, PA 16802-7000, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in view of valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of NIXON PEABODY LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 3/9/05 Signature Stephen J. Fonash  
Name Stephen J. FONASH

STATE OF Pa.  
COUNTY OF Centre SS:

This 9<sup>th</sup> day of March, 2005, before me personally came the above-named **Stephen J. FONASH**, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

Ruth A. Harpster  
Notary Public  
Commission expires on \_\_\_\_\_  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Ruth A. Harpster, Notary Public  
College Twp., Centre County  
My Commission Expires July 10, 2007

Date 3/9/05 Signature Yinghui SHAN  
Name Yinghui SHAN

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the above-named **Yinghui SHAN**, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date 4/1/05

Signature Peng chin-yi  
Name Chin-Yi PENG

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Chin-Yi PENG**, to me personally known as the individual who executed the same of  
his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date \_\_\_\_\_

Signature \_\_\_\_\_  
Name Ali Kaan KALKAN

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Ali Kaan KALKAN**, to me personally known as the individual who executed the same  
of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

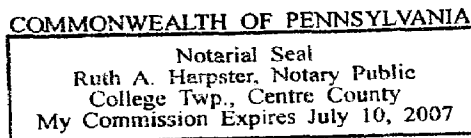
Date 4/5/05

Signature [Signature]  
Name Joseph D. CUIFFI

STATE OF Pennsylvania  
COUNTY OF Centre SS:

This 5<sup>th</sup> day of April, 2005, before me personally came the  
above-named **Joseph D. CUIFFI**, to me personally known as the individual who executed the same  
of his/her own free will for the purposes therein set forth.

[Signature]  
Notary Public  
Commission expires on \_\_\_\_\_.



Date \_\_\_\_\_

Signature \_\_\_\_\_  
Name Chin-Yi PENG

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Chin-Yi PENG**, to me personally known as the individual who executed the same of  
his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date 319/05

Signature Ali Kaan Kalkan  
Name Ali Kaan KALKAN

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Ali Kaan KALKAN**, to me personally known as the individual who executed the same  
of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date \_\_\_\_\_

Signature \_\_\_\_\_  
Name Joseph D. CUIFFI

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Joseph D. CUIFFI**, to me personally known as the individual who executed the same  
of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date 4/5/05

Signature *D. Hayes*  
Name Daniel HAYES

STATE OF Pennsylvania  
COUNTY OF Centre SS:

This 5<sup>th</sup> day of April, 2005, before me personally came the  
above-named **Daniel HAYES**, to me personally known as the individual who executed the same of  
his/her own free will for the purposes therein set forth.

*Ruth A. Harpster*  
Notary Public  
Commission expires on \_\_\_\_\_  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Ruth A. Harpster, Notary Public  
College Twp., Centre County  
My Commission Expires July 10, 2007

Date 3/9/05

Signature *Paul Butterfoff*  
Name Paul BUTTERFOSS

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Paul BUTTERFOSS**, to me personally known as the individual who executed the same  
of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.

Date 3/9/05

Signature *Wook Jun NAM*  
Name Wook Jun NAM

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_ SS:

This \_\_\_\_\_ day of \_\_\_\_\_, 2005, before me personally came the  
above-named **Wook Jun NAM**, to me personally known as the individual who executed the same of  
his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public  
Commission expires on \_\_\_\_\_.