

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Wan Y. Shih</td><td>12/05/2007</td></tr><tr><td>Wei-Heng Shih</td><td>12/05/2007</td></tr><tr><td>Zuyan Shen</td><td>12/10/2007</td></tr><tr><td>Qing Zhu</td><td>12/05/2007</td></tr></tbody></table>	Name	Execution Date	Wan Y. Shih	12/05/2007	Wei-Heng Shih	12/05/2007	Zuyan Shen	12/10/2007	Qing Zhu	12/05/2007	
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Wan Y. Shih	12/05/2007										
Wei-Heng Shih	12/05/2007										
Zuyan Shen	12/10/2007										
Qing Zhu	12/05/2007										
RECEIVING PARTY DATA											
Name:	Drexel University										
Street Address:	3141 Chestnut Street										
City:	Philadelphia										
State/Country:	PENNSYLVANIA										
Postal Code:	19104										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11946534</td></tr></tbody></table>	Property Type	Number	Application Number:	11946534							
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CORRESPONDENCE DATA											
Fax Number:	(215)599-0601										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	KNOBLE YOSHIDA & DUNLEAVY LLC										
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ATTORNEY DOCKET NUMBER:	DREX-1070US										
NAME OF SUBMITTER:	Kevin J. Dunleavy										
Total Attachments: 6											

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PATENT
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ASSIGNMENT

WHEREAS, We, Wan Y. Shih, residing at 641 Heather Lane Bryn Mawr, PA 19010, United States of America, Wei-Heng Shih, residing at 641 Heather Lane Bryn Mawr, PA 19010, United States of America, Zuyan Shen, residing at 3929 Powelton Avenue, Apt. 2F Philadelphia, PA 19104, United States of America and Qing Zhu, residing at 4006 Market Street Apt. 3F Philadelphia, PA 19104, United States of America, hereinafter referred to as the Assignors are the inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as **Attorney Docket No. Drex-1070US** entitled "Piezoelectric Microcantilever and Uses in Atomic Force Microscopy" having been filed on November 28, 2007 and assigned U.S. Patent Application No. 11/946,534

WHEREAS, Drexel University, hereinafter referred to as the Assignee, of 3141 Chestnut Street Philadelphia, PA 19104, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application including the right to claim priority to the application in any foreign application entitled to claim such priority under national law, international conventions, treaties or otherwise, and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made

AND We hereby covenant that We have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and we agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Director - U S Patent and Trademark Office and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Dated: 12/5/2007

Wan Y. Shih (L S.)
Wan Y. Shih

Notarial Certificate

State of Pennsylvania)
County Philadelphia)

Before me personally appeared Wan Y Shih who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the 5th day of December, in the year 2007

Janette L. Hawkins
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
JANETTE L. HAWKINS, Notary Public
City of Philadelphia, Phila. County
My Commission Expires May 3, 2010

IN WITNESS WHEREOF, I have hereunto set my hand and seal

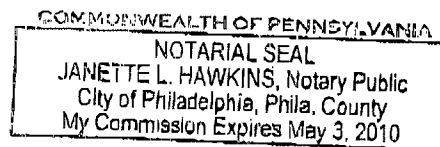
Dated: 12/5/07 Wei-Heng Shih (L. S.)

Notarial Certificate

State of Pennsylvania)
County Philadelphia)

Before me personally appeared Wei-Heng Shih who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the 5th day of December, in the year 200 7.

Janette L. Hawkins
Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal

Dated: 12/10/2007

Zuyan Shen (L. S.)
SHEN, Zuyan

Notarial Certificate

Commonwealth of Pennsylvania)
County of)

**SEE ATTACHED CALIFORNIA
ALL-PURPOSE ACKNOWLEDGMENT*

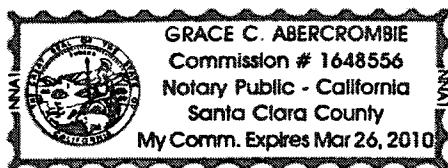
Before me personally appeared SHEN, Zuyan, who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the _____ day of _____, in the year 2007

Notary Public

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of CALIFORNIA
County of SANTA CLARA
On DECEMBER 10, 2007 before me, GRACE C. ABERCROMBIE, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared ZUYAN SHEN
Name(s) of Signer(s)

☐ personally known to me – OR – ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

[Signature]
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer's Name: _____

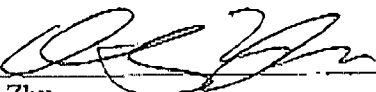
- ☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

IN WITNESS WHEREOF, I have hereunto set my hand and seal

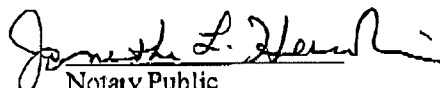
Dated: 12/05/2007

 (L S)
Qing Zhu

Notarial Certificate

State of Pennsylvania)
County Philadelphia)

Before me personally appeared Qing Zhu who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same the _____ day of 5th December, in the year 2007


Notary Public

