

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Mark A. Reed	10/14/2010
Weihua Guan	10/12/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Yale University
<b>Street Address:</b>	Two Whitney Avenue
<b>City:</b>	New Haven
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06510
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12730226
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<b>ATTORNEY DOCKET NUMBER:</b>	6523-054-999
<b>NAME OF SUBMITTER:</b>	Adriane M. Antler
<b>Total Attachments: 3</b> source=Recordation#page1.tif source=Recordation#page2.tif source=Recordation#page3.tif	

CH \$40.00 12730226




**501334219**

**PATENT**  
**REEL: 025212 FRAME: 0507**

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

Attorney Docket Number  
6523-054-999

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

<p>1. Name of conveying party(ies): Mark A. Reed and Weihua Guan</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Yale University</u></p> <p>Address: <u>Two Whitney Avenue</u> <u>New Haven, Connecticut</u></p> <p>Country (if other than USA):                      Zip Code: 06510</p>									
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment                      Merger</p> <p>Security Agreement                      Change of Name</p> <p>Joint Research Agreement</p> <p>Government Interest Assignment</p> <p>Executive Order 9424, Confirmatory License</p> <p>Other</p> <p>Execution Date: <u>October 14 and October 12, 2010 respectively</u></p>		<p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>									
<p>4. Application number(s) or patent number(s):</p> <p>A. Patent Application No.(s)    <u>12/730,226</u>                      B. Patent No.(s)</p> <p align="center">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>											
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>JONES DAY 222 East 41st Street New York, New York 10017-6702</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">6. Number of applications and patents involved:</td> <td style="width:30%;">one</td> </tr> <tr> <td colspan="2">7. Total fee (37 CFR 3.41):.....\$40.00 Please charge to the deposit account listed in Section 8.</td> </tr> <tr> <td colspan="2">8. Deposit account number: <u>50-3013</u></td> </tr> </table>		6. Number of applications and patents involved:	one	7. Total fee (37 CFR 3.41):.....\$40.00 Please charge to the deposit account listed in Section 8.		8. Deposit account number: <u>50-3013</u>			
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7. Total fee (37 CFR 3.41):.....\$40.00 Please charge to the deposit account listed in Section 8.											
8. Deposit account number: <u>50-3013</u>											
<p><b>DO NOT USE THIS SPACE</b></p>											
<p>9. Statement and signature.</p> <p><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></p> <table style="width:100%; margin-top: 20px;"> <tr> <td style="width:25%; border-bottom: 1px solid black;">Adriane M. Antler</td> <td style="width:10%; border-bottom: 1px solid black;">32,605</td> <td style="width:40%; border-bottom: 1px solid black;"></td> <td style="width:25%; border-bottom: 1px solid black;">October 28, 2010</td> </tr> <tr> <td>Name of Person Signing</td> <td>Reg. No.</td> <td>Signature</td> <td>Date</td> </tr> </table>				Adriane M. Antler	32,605		October 28, 2010	Name of Person Signing	Reg. No.	Signature	Date
Adriane M. Antler	32,605		October 28, 2010								
Name of Person Signing	Reg. No.	Signature	Date								
			<p>Total number of pages including cover sheet: <span style="border: 1px solid black; padding: 2px 5px;">3</span></p>								

Mail documents to be recorded with required cover sheet information to:  
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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Or fax documents to Fax No.: 571-273-0140

## ASSIGNMENT

WHEREAS, WE, MARK A. REED and WEIHUA GUAN, (herein called "ASSIGNORS"), citizens of the United States and the People's Republic of China, respectively; respectively residing at 129 Guinea Road, Monroe, Connecticut 06468; and 420 Temple Street, New Haven, Connecticut 06511, are the co-inventors with Predrag Krstic and Xiongce Zhao of the invention in SYSTEM AND METHOD FOR TRAPPING AND MEASURING A CHARGED PARTICLE IN A LIQUID for which we have executed an application for a Patent of the United States

- ☒ which is identified by Jones Day docket no. 6523-054-999
- ☒ which was filed on March 23, 2010, Application No. 12/730,226

and WHEREAS, Yale University, a corporation organized and existing under the laws of the state of Connecticut, and having an address of Two Whitney Avenue, New Haven, Connecticut 06510 (herein called "ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, 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, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey our entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date OCT 14, 2010

Mark A. Reed

L.S.

Date Oct. 12, 2010

Weihua Guan

L.S.

State of Connecticut,

County of New Haven;

SS: New Haven Diane Harmon DKA 10-14-10

On October 14, 2010, before me, Mark A. Reed, Notary Public, personally appeared Mark A. Reed, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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.

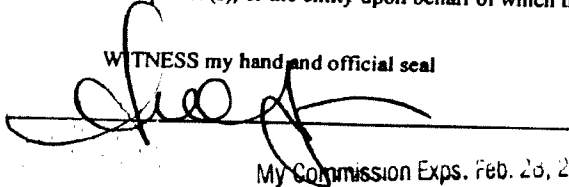
WITNESS my hand and official seal

My Commission Expires 9/30/2014

State of Connecticut )  
County of New Haven ) SS.: New Haven

On Oct. 12, 2010, before me, Allison Gullisnider, Notary Public, personally appeared Wei Hua Guan, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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



My Commission Exps. Feb. 26, 2013