

## 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>Chee Wei Wong</td> <td>09/13/2008</td> </tr> <tr> <td>James F McMillan</td> <td>09/18/2008</td> </tr> <tr> <td>Xiaodong Yang</td> <td>09/18/2008</td> </tr> <tr> <td>Richard Osgood Jr</td> <td>10/17/2008</td> </tr> </tbody> </table>		Name	Execution Date	Chee Wei Wong	09/13/2008	James F McMillan	09/18/2008	Xiaodong Yang	09/18/2008	Richard Osgood Jr	10/17/2008		
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<table border="1"> <tr> <td>Name:</td> <td>The Trustees of Columbia University</td> </tr> <tr> <td>Street Address:</td> <td>412 Low Memorial Library</td> </tr> <tr> <td>Internal Address:</td> <td>535 West 116th Street</td> </tr> <tr> <td>City:</td> <td>New York</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10027</td> </tr> </table>		Name:	The Trustees of Columbia University	Street Address:	412 Low Memorial Library	Internal Address:	535 West 116th Street	City:	New York	State/Country:	NEW YORK	Postal Code:	10027
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CORRESPONDENCE DATA													
<p>Fax Number:</p> <p>Phone: 2128376000</p> <p>Email: patents@hugheshubbard.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Hughes Hubbard &amp; Reed LLP</p> <p>Address Line 1: One Battery Park Plaza</p> <p>Address Line 4: New York, NEW YORK 10004</p>													
ATTORNEY DOCKET NUMBER:	011827-52589												
NAME OF SUBMITTER:	Angel Matos												

CH \$40.00 12948706

**Total Attachments: 6**

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ASSIGNMENT

WHEREAS, we, Chee Wei Wong, residing at 560 Riverside Drive, Apt. 8G, New York, NY 10027 USA; James F. McMillan, residing 574 West End Avenue, Apt. 55, New York, NY 10024 USA; Xiaodong Yang, residing at 423 W. 125<sup>th</sup> Street, Apt. 8, New York, NY 10027 USA; Richard Osgood, Jr., residing at 345 Quaker Street, Chappaqua, NY 10514 USA; Jerry Dadap, residing at 190 Branch Avenue, Red Bank, NJ 07701 USA; and Nicolae Panoiu, residing at 3265 Bainbridge Avenue, Apt. B13, Bronx, NY 10467 USA, (collectively the "Assignors") are the inventors of a certain new and useful invention and discovery entitled "DEVICES AND METHODS FOR PROVIDING STIMULATED RAMAN LASING" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on February 29, 2008 as U.S. Patent Application Number 12/065,406 ("the Application").

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 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' right, title and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or 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 and/or any foreign regional and/or national applications), or any application based in whole or in part on any of the foregoing.

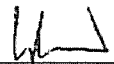
Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and 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 Assignee. Assignors further agree that such Assignors will, without further compensation to

Assignment  
U.S. Patent Application No.: 12/065,406

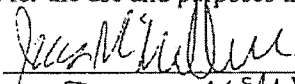
Attorney Docket No.: 19240.415-US2

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.

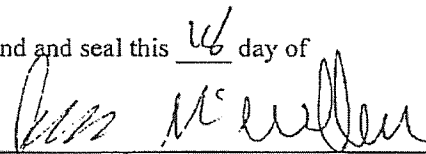
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 18 day of  
Sept (Month/Year)  
2008

  
\_\_\_\_\_  
Chee Wei Wong

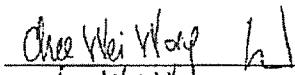
On this 18<sup>th</sup> day of Sept/2008 (Month/Year), Chee Wei Wong, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:   
Printed Name: James McMillan  
Residential Address: 603 W 139<sup>th</sup> St. 4A  
NY, NY 10031

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 16 day of  
Sept (Month/Year)  
2008

  
\_\_\_\_\_  
James F. McMillan

On this 18<sup>th</sup> day of Sept/2008 (Month/Year), James F. McMillan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:   
Printed Name: Chee Wei Wong  
Residential Address: 560 Riverside Drive #86  
NEW York, NY 10027

Assignment  
U.S. Patent Application No.: 12/065,406

Attorney Docket No.: 19240.415-US2

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 18 day of  
2008 (Month/Year)

Xiaodong Yang  
Xiaodong Yang

On this 18 day of 9/2008 (Month/Year), Xiaodong Yang, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: James F. McMillan  
Printed Name: James McMillan  
Residential Address: 605 W 134th St NY, NY 10031

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of  
\_\_\_\_ (Month/Year)

Richard Osgood, Jr.  
Richard Osgood, Jr.

On this \_\_\_\_ day of \_\_\_\_ (Month/Year), Richard Osgood, Jr., personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_

Assignment  
U.S. Patent Application No.: 12/065,406

Attorney Docket No.: 19240.415-US2

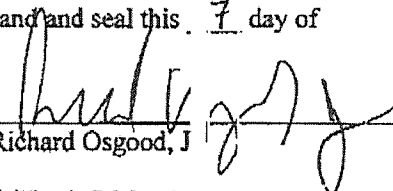
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of  
\_\_\_\_ (Month/Year)

\_\_\_\_\_  
Xiaodong Yang

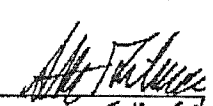
On this \_\_\_\_ day of \_\_\_\_ (Month/Year), Xiaodong Yang, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7 day of  
Oct. 2008 (Month/Year)

  
Richard Osgood, Jr.

On this 17 day of Oct 2008 (Month/Year), Richard Osgood, Jr., personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:  \_\_\_\_\_  
Printed Name: Seth Gril \_\_\_\_\_  
Residential Address: 28 Sickle St. Apt. 21-D  
New York, NY 10040  
\_\_\_\_\_  
\_\_\_\_\_

Assignment  
U.S. Patent Application No.: 12/065,406

Attorney Ecket No.: 19240.415-US2

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7 day of  
October (Month/Year)  
2008

Jerry D. Dadap  
Jerry Dadap

On this 7 day of October (Month/Year), 2008, Jerry Dadap, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: HARISHA ROBINSON  
Printed Name: HARISHA ROBINSON  
Residential Address: 1133 Midland Ave  
Bronxville NY 10708

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of  
\_\_\_\_ (Month/Year)

Nicolae Panoiu  
Nicolae Panoiu

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

WITNESS: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Assignment  
U.S. Patent Application No.: 12/065,406

Attorney Docket No.: 19240.415-US2

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (Month/Year)

\_\_\_\_\_  
Jerry Dadap

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

WITNESS: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 30 day of October 2008 (Month/Year)

\_\_\_\_\_  
Nicolae Panoiu

On this 30 day of October 2008 (Month/Year), Nicolae Panoiu, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: CLG  
Printed Name: CLAUDIU GHEORGHE BIRIS  
Residential Address: 45 HOLDEN ROAD,  
FLAT 12, N12 7BN, LONDON, UK  
\_\_\_\_\_