

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2666124

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>MARK A. BORDEN</td> <td>04/11/2012</td> </tr> <tr> <td>ERIC G. LIMA</td> <td>04/10/2012</td> </tr> <tr> <td>CLARK T. HUNG</td> <td>04/10/2012</td> </tr> <tr> <td>SHASHANK RAMESH SIRSI</td> <td>04/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	MARK A. BORDEN	04/11/2012	ERIC G. LIMA	04/10/2012	CLARK T. HUNG	04/10/2012	SHASHANK RAMESH SIRSI	04/28/2012
Name	Execution Date										
MARK A. BORDEN	04/11/2012										
ERIC G. LIMA	04/10/2012										
CLARK T. HUNG	04/10/2012										
SHASHANK RAMESH SIRSI	04/28/2012										
RECEIVING PARTY DATA											
Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK										
Street Address:	412 LOW MEMORIAL LIBRARY										
Internal Address:	535 WEST 116TH STREET, MAIL CODE 4308										
City:	NEW YORK										
State/Country:	NEW YORK										
Postal Code:	10027										
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>14087276</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14087276						
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Application Number:	14087276										
CORRESPONDENCE DATA											
Fax Number:	(703)610-8686										
Phone:	703-903-9000										
Email:	cgibson@milesstockbridge.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	MARK A. CATAN, ESQ.										
Address Line 1:	MILES & STOCKBRIDGE, PC										
Address Line 2:	1751 PINNACLE DRIVE, SUITE 500										
Address Line 4:	TYSONS CORNER, VIRGINIA 22109										
NAME OF SUBMITTER:	CHERYL GIBSON										
Signature:	/Cheryl Gibson/										

Date:

01/03/2014

Total Attachments: 8

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Assignment

WHEREAS, I/We, BORDEN, Mark A.; LIMA, Eric G.; HUNG, Clark T.; and SIRSI, Shashank Ramesh, have made an invention entitled MICROBUBBLE DEVICES, METHODS AND SYSTEMS for which I/We have executed an application for Letters Patent of the United States on even date herewith or on _____, or filed an application for Letters Patent of the United States on February 29, 2012, under Application No. 13/393,273; and

WHEREAS, The Trustees of Columbia University in the City of New York ("ASSIGNEE"), a business entity organized under the laws of NEW YORK, and whose postal address is 412 Low Memorial Library, 535 West 116th St., Mail Code 4308, New York, NY 10027, desires to acquire the entire right, title, and interest in the United States in and to the invention, the application, and any Letters Patent of the United States to be granted for the invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have, assigned, transferred, and set over, and do hereby assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, including any improvement thereof, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; and I/We authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I/WE further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this Assignment, if none is indicated on that date of my/our execution of this Assignment.

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

Signature: Mark Borden
Date: 4/11/2012
Full Name: Mark A. Borden
Address: 2300 Arapahoe Avenue, #110
Boulder, CO 80302

Signature: _____
Date: _____
Full Name: Eric G. Lima
Address: 16 Sanborn Road
Patterson, NY 12563

Signature: _____
Date: _____
Full Name: Clark T. Hung
Address: 35 Sheffield Court
Ardasley, NY 10502

Signature: _____
Date: _____
Full Name: Shashank Ramesh Sirsi
Address: 555 W. 151st St., #25
New York, NY 10031

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Full Name: Mark A. Borden

Address: 2300 Arapahoe Avenue, #110

Boulder, CO 80302

Signature:



Date: April 10, 2012

Full Name: Eric G. Lima

Address: 16 Sanborn Road

Patterson, NY 12563

Signature:

Date:

Full Name: Clark T. Hung

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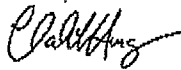
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