

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3253882

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIHONG WANG	01/10/2011
LIANG SONG	01/03/2011
KONSTANTIN MASLOV	01/10/2011
BIN RAO	01/10/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WASHINGTON UNIVERSITY
<b>Street Address:</b>	ONE BROOKINGS DRIVE
<b>City:</b>	ST. LOUIS
<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	63130
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14639676
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(314)612-2307
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	314-621-5070
<b>Email:</b>	uspatents@armstrongteasdale.com
<b>Correspondent Name:</b>	MICHAEL G. MCCAY
<b>Address Line 1:</b>	ARMSTRONG TEASDALE LLP
<b>Address Line 2:</b>	7700 FORSYTH BLVD, SUITE 1800
<b>Address Line 4:</b>	ST. LOUIS, MISSOURI 63105
<b>ATTORNEY DOCKET NUMBER:</b>	15060-502
<b>NAME OF SUBMITTER:</b>	MICHAEL G. MCCAY
<b>SIGNATURE:</b>	/Michael G. McCay/
<b>DATE SIGNED:</b>	03/06/2015
<b>Total Attachments: 7</b>	
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# TECHNOLOGY ASSIGNMENT

WU Case: 010922

## ASSIGNORS:

Lihong Wang

Liang Song

Konstantin Maslov

Bin Rao

WHEREAS, the aforementioned individuals (the "ASSIGNORS") have developed a certain INVENTION having WU OTM Case No. 010922 and being entitled Multi-focus optical-resolution photoacoustic microscopy with ultrasonic array detection (collectively, with all future enhancements and improvements thereto as well as all related original works of authorship related thereto other than those solely of an artistic, literary or scholarly nature, as the "INVENTION");

WHEREAS, the ASSIGNORS have executed an APPLICATION for a United States Patent based on the INVENTION, entitled Multi-Focus Optical-Resolution Photoacoustic Microscopy with Ultrasonic Array Detection, filed on 2/9/2012, and assigned APPLICATION Serial No. 13/369,558. (the "APPLICATION");

WHEREAS, Washington University, a corporation of the State of Missouri having its principal office and place of business at One Brookings Drive, St. Louis, Missouri, 63130, ("ASSIGNEE") is desirous of acquiring the entire and exclusive right, title, and interest in and to the INVENTION and the APPLICATION; as provided for in the Washington University Intellectual Property Policy;

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest in the United States (including its territories and dependencies) and all countries foreign thereto in, to and under the INVENTION, the APPLICATION, and any other United States APPLICATIONS (including provisional, non-provisional, divisional, continuing and reissue APPLICATIONS) based in whole or in part on the

APPLICATION or in whole or in part on the INVENTION, and any patents (including extensions thereof) of any country that have been or may be granted on any of the aforesaid APPLICATIONS or on the INVENTION or any part thereof and including all rights to claim priority through any international convention or treaty and all copyrights on or related to the INVENTION;

ASSIGNORS each agree, to each creator's binding personal share of any income generated by the INVENTION as delineated in the attached Exhibit A, and that all future agreements regarding such personal shares shall be in writing and signed by all creators;

ASSIGNORS hereby warrant and represent to Assignee, its successors, legal representatives and assigns, that at the time of execution of this assignment, the ASSIGNORS listed above are the sole individuals employed by the ASSIGNEE who have made contributions to the INVENTION, that the ASSIGNORS are unencumbered and have good and full right and lawful authority to sell and convey the same in the manner herein set forth, and that all works of authorship assigned herein are original works created solely by the ASSIGNORS and are free from plagiarized, libelous, obscene or infringing material;

ASSIGNORS hereby authorize and request the Commissioner of Patents of the United States of America, to issue any and all United States Patents that may be granted on any assigned APPLICATION or on the INVENTION or any part thereof, in the name of ASSIGNEE;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this sale, assignment and transfer;

ASSIGNORS hereby grant to ASSIGNEE and its agents and attorneys the power and right to insert herein the title, serial number and filing date of the APPLICATION, the OTM case number and title of the INVENTION after this Assignment is executed by the ASSIGNORS; and

ASSIGNORS further covenant that upon ASSIGNEE's request they will provide promptly to ASSIGNEE all pertinent facts and documents relating to the aforesaid APPLICATIONS and the INVENTION as may be known and accessible to ASSIGNORS, and ASSIGNORS will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives without further consideration any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the

aforesaid APPLICATIONS that may be deemed necessary or desirable by ASSIGNEE to carry out the purposes hereof.

For the event that ASSIGNEE is unable, after reasonable effort, to secure any ASSIGNOR's signature on any APPLICATION, paper or other instrument relating to any patent, patent APPLICATION, letters patent, copyright or other analogous protection relating to the INVENTION in any country, whether because of the ASSIGNOR's mental incapacity, death or for any other reason whatsoever, each ASSIGNOR hereby irrevocably designates and appoints ASSIGNEE and its duly authorized officers and agents as each ASSIGNOR's agent and attorney in fact to act for and to execute and file any such APPLICATION, paper or other instrument on ASSIGNOR's behalf and to do all other lawfully permitted acts to further the prosecution and issuance of any patent, patent APPLICATION, letters patent, copyright or any other analogous protection related to the INVENTION with the same legal force and effect as if executed by such ASSIGNOR.

For the convenience of the parties, any number of counterparts of the Assignment may be executed by the parties hereto. Each such counterpart shall be and shall be deemed to be an original instrument but all such counterparts taken together shall constitute one and the same assignment.

IN WITNESS WHEREOF, the ASSIGNORS have hereunto set their hand to the foregoing assignment.

*[Handwritten Signature]*

Signature -- Lihong Wang

*1/10/2011*  
Date

Name: Lihong Wang

Home Address: 15 Haven View Dr.  
Creve Coeur, MO 63141

ACKNOWLEDGMENT

STATE OF Missouri )  
CITY OF St. Louis ) SS.

On this 10<sup>TH</sup> day of January, 2011, before me, a Notary Public, personally appeared Lihong Wang, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

*[Handwritten Signature]*  
Notary Public

My Commission Expires:

November 30, 2013 [SEAL]



PATRICIA S. MELCHIOR  
My Commission Expires  
November 30, 2013  
Warren County  
Commission #09803309

*Liang Song*

Signature -- Liang Song

Jan 3rd, 2011  
Date

Name: Liang Song


Home Address: 6326 Southwood Ave. Apt. 1E.  
St. Louis MO 63105

ACKNOWLEDGMENT

STATE OF New York )  
CITY OF Queens ) SS.

On this 3<sup>rd</sup> day of January, 2011, before me, a Notary Public, personally appeared Liang Song, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

  
Notary Public

My Commission Expires:

02/22/14 [SEAL]

**SHARDENAY PALMER**  
Notary Public - State of New York  
No. 01PA6217759  
Qualified in Queens County  
My Commission Expires Feb. 22, 2014

*[Handwritten Signature]*

Signature -- Konstantin Maslov

*01/10/2011*

Date

Name: Konstantin Maslov

Home Address: 6005 Terri Lynn  
St. Louis MO 63123

ACKNOWLEDGMENT

STATE OF Missouri )  
 ) SS.  
CITY OF St. Louis )

On this 10<sup>th</sup> day of January, 2011, before me, a Notary Public, personally appeared Konstantin Maslov, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

*[Handwritten Signature: Patricia S. Melchior]*  
Notary Public

My Commission Expires:  
Nov. 30, 2013 [SEAL]



PATRICIA S. MELCHIOR  
My Commission Expires  
November 30, 2013  
Warren County  
Commission #09803309



*[Handwritten Signature]*

01/10/2011

Signature -- Bin Rao

Date

Name: Bin Rao

Home Address: 6334 Enright Ave  
St. Louise MO 63130

ACKNOWLEDGMENT

STATE OF Missouri )  
CITY OF ST. LOUIS ) SS.

On this 10<sup>TH</sup> day of January, 2011, before me, a Notary Public, personally appeared Bin Rao, known to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

*[Handwritten Signature]*

Notary Public

My Commission Expires:

November 30, 2013 [SEAL]



PATRICIA S. MELCHIOR  
My Commission Expires  
November 30, 2013  
Warren County  
Commission #09803309