

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5915418

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KANG KIM	06/08/2012
	JINGPING XU	06/14/2012
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION	
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<b>City:</b>	PITTSBURGH	
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<b>Postal Code:</b>	15260	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16726089	
<b>CORRESPONDENCE DATA</b>		
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<b>Email:</b>	beth.hinnant@klarquist.com	
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<b>ATTORNEY DOCKET NUMBER:</b>	8123-87078-05	
<b>NAME OF SUBMITTER:</b>	DEAKIN T. LAUER	
<b>SIGNATURE:</b>	/Deakin T. Lauer/	
<b>DATE SIGNED:</b>	01/16/2020	
<b>Total Attachments: 6</b>		
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## ASSIGNMENT

WHEREAS, we, Kim Kang, of Pittsburgh, Pennsylvania, and Jingping Xu, of Shanghai, China, have invented a certain invention, with another, as described in the following patent applications:

U.S. Provisional Patent Application No. 61/489,169 , filed on May 23, 2011, entitled  
“METHODS AND APPARATUSES FOR MEASURING TISSUE STIFFNESS  
CHANGES USING ULTRASOUND ELASTICITY IMAGING,”

PCT Patent Application No. PCT/US2012/039179, filed on May 23, 2012, entitled  
“METHODS AND APPARATUSES FOR MEASURING TISSUE STIFFNESS  
CHANGES USING ULTRASOUND ELASTICITY IMAGING,”

which applications are collectively referred to as “the patent applications.”

WHEREAS, University of Pittsburgh – Of the commonwealth System of Higher Education, a non-profit corporation organized under the laws of the State of the Commonwealth of Pennsylvania, having a place of business at 200 Gardner Steel Conference Center, Thackeray and O’Hara Streets, Pittsburgh, Pennsylvania 15260, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Kim Kang and Jingping Xu hereby sell, assign and transfer to University of Pittsburgh – Of the commonwealth System of Higher Education, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, the patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by University of Pittsburgh – Of the commonwealth System of Higher Education, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to

do, and agree that we will communicate to University of Pittsburgh – Of the commonwealth System of Higher Education, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid University of Pittsburgh – Of the commonwealth System of Higher Education, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

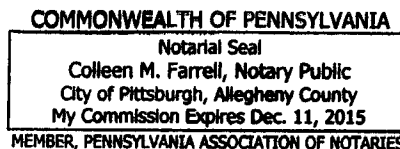
We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

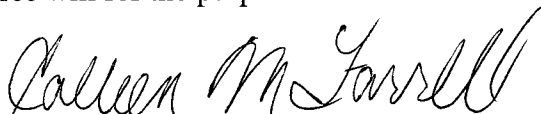
At Pittsburgh, PA  
(City and State)  
on this 8th day of June, 2012.

STATE OF Pennsylvania )  
COUNTY OF Allegheny ) SS.

  
Kim Kang



This 8 day of June, 2012, before me personally came the above-named Kim Kang, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Kim Kang's own free will for the purpose set forth therein.

  
Notary Public For  
My commission expires: 12-11-2015

[SEAL]

\_\_\_\_\_  
Jingping Xu

At \_\_\_\_\_  
(City and State)  
on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

STATE OF )  
) ss.  
COUNTY OF )

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came the above-named Jingping Xu, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jingping Xu's own free will for the purpose set forth therein.

\_\_\_\_\_  
Notary Public For  
My commission expires:

[SEAL]

## ASSIGNMENT

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do, and agree that we will communicate to University of Pittsburgh – Of the commonwealth System of Higher Education, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid University of Pittsburgh – Of the commonwealth System of Higher Education, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

\_\_\_\_\_  
Kim Kang

At \_\_\_\_\_  
(City and State)

on this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me personally came the above-named Kim Kang, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Kim Kang's own free will for the purpose set forth therein.

\_\_\_\_\_  
Notary Public For  
My commission expires:

[SEAL]

Jingping Xu

Jingping Xu

At Bornell, Washington  
(City and State)  
on this 14 day of June, 2012.

STATE OF Washington )  
COUNTY OF Snohomish ) ss.

This 14 day of June, 2012, before me personally came the above-named Jingping Xu, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jingping Xu's own free will for the purpose set forth therein.

Notary Public  
State of Washington  
ELIZABETH MALAN  
MY COMMISSION EXPIRES  
[SEAL] September 03, 2013

Elizabeth Malan  
Elizabeth Malan  
Notary Public For Washington State  
My commission expires: September 03, 2013