

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2823078

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ELISA E. KONOFAGOU	02/28/2014
JEAN PROVOST	03/04/2014
JIANWEN LUO	03/28/2014
STANLEY J. OKRASINSKI	04/10/2014
STEPHANE THIEBAUT	03/27/2014
VU THANH-HIEU NGUYEN	03/31/2014
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	
Property Type	Number
Application Number:	14057685
CORRESPONDENCE DATA	
Fax Number:	(703)610-8686
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	7039039000
Email:	cgibson@milesstockbridge.com
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 22102
ATTORNEY DOCKET NUMBER:	T4356-18312US01
NAME OF SUBMITTER:	CHERYL GIBSON
SIGNATURE:	/Cheryl Gibson/

DATE SIGNED:

04/22/2014

Total Attachments: 18

source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page1.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page2.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page3.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page4.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page5.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page6.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page7.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page8.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page9.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page10.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page11.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page12.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page13.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page14.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page15.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page16.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page17.tif
source=T4356-18312US01 EXECUTED ASSIGNMENT.1#page18.tif

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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: 
Date: 02/28/2014
Full Name: Elisa E. Konofagou
Address: 130 West 67th Street, Apt. 16A
New York, NY 10023

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

Signature: _____
Date: _____
Full Name: Jean Provost
Address: 223 Avenue B
Apt. 3
New York, NY 10009

Signature: _____
Date: _____
Full Name: Jianwen Luo
Address: 344 Fort Washington Avenue
Apt. 5C
New York, NY 10033

Signature: _____
Date: _____
Full Name: Stanley J. Okrasinski
Address: 526 W. 112th Street, Apt. 22A
New York, NY 10025

Signature: _____
Date: _____
Full Name: Stephane Thiebaut
Address: 34 rue Racine
Antony 92160 FRANCE

Signature: _____
Date: _____
Full Name: Vu Thanh-Hieu Nguyen
Address: Route de Chaffeiru 43
Lentigny CH-1745
SWITZERLAND

Signature: _____
Date: _____
Full Name: _____
Address: _____

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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: _____

Date: _____

Full Name: Elisa E. Konofagou

Address: 101 West End Avenue, Apt. 25G
New York, NY 10023

Signature: _____

Date: 03/04/2014

Full Name: Jean Provost

Address: 233 Avenue B Apt. 3
10me des Peupliers
Paris, France
New York, NY 10009 75013

Signature: _____

Date: _____

Full Name: Stanley J. Okrasinski

Address: 526 W. 112th Street, Apt. 22A
New York, NY 10025

Signature: _____

Date: _____

Full Name: Vu Thanh-Hieu Nguyen

Address: Route de Chafféiru 43
Lentigny CH-1745
SWITZERLAND

~~Signature: _____~~

~~Date: _____~~

~~Full Name: Clark T. Hung~~

~~Address: 35 Sheffield Court
Ardsley, NY 10502~~

~~Signature: _____~~

~~Date: _____~~

~~Full Name: Jianwen Luo~~

~~Address: 344 Fort Washington Avenue
Apt. 5C
New York, NY 10033~~

Signature: _____

Date: _____

Full Name: Stephane Thiebaut

Address: 34 rue Racine
Antony 92160 FRANCE

Signature: _____

Date: _____

Full Name: _____

Address: _____

03/04/2014

03/04/2014

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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.

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

Signature: _____
Date: _____
Full Name: Elisa E. Konofagou
Address: 101 West End Avenue, Apt. 25G
New York, NY 10023

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

Signature: _____
Date: _____
Full Name: Jean Provost
Address: 223 Avenue B
Apt. 3
New York, NY 10009

Signature: 
Date: *Mar 28, 2014*
Full Name: Jianwen Liu
Address: 344 Fort Washington Avenue
Apt. 5C
New York, NY 10033

Signature: _____
Date: _____
Full Name: Stanley J. Okrasinski
Address: 526 W. 112nd Street, Apt. 22A
New York, NY 10025

Signature: _____
Date: _____
Full Name: Stephane Thiebaut
Address: 34 rue Racine
Antony 92160 FRANCE

Signature: _____
Date: _____
Full Name: Vu Thanh-Hieu Nguyen
Address: Route de Chaffeyru 43
CH-1745
SWITZERLAND

Signature: _____
Date: _____
Full Name: _____
Address: _____

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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: _____

Date: _____

Full Name: Elisa E. Konofagou

Address: 101 West End Avenue, Apt. 25G

New York, NY 10023

Signature: _____

Date: _____

Full Name: Clark T. Hung

Address: 35 Sheffield Court

Ardsley, NY 10502

Signature: _____

Date: _____

Full Name: Jean Provost

Address: 223 Avenue B
Apt. 3

New York, NY 10009

Signature: _____

Date: _____

Full Name: Jianwen Luo

Address: 344 Fort Washington Avenue
Apt. 5C

New York, NY 10033

Signature: 

Date: 4/10/2014

Full Name: Stanley J. Okrasinski

Address: 526 W. 112th Street, Apt. 22A

New York, NY 10025

Signature: _____

Date: _____

Full Name: Stephane Thiebaut

Address: 34 rue Racine

Antony 92160 FRANCE

Signature: _____

Date: _____

Full Name: Vu Thanh-Hieu Nguyen

Address: Route de Chaffeuru 43
Lentigny CH-1745
SWITZERLAND

Signature: _____

Date: _____

Full Name: _____

Address: _____

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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.

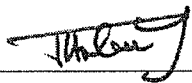
Signature: _____
Date: _____
Full Name: Elisa E. Konofagou
Address: 101 West End Avenue, Apt. 25G
New York, NY 10023

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

Signature: _____
Date: _____
Full Name: Jean Provost
Address: 223 Avenue B
Apt. 3
New York, NY 10009

Signature: _____
Date: _____
Full Name: Jianwen Luo
Address: 344 Fort Washington Avenue
Apt. 5C
New York, NY 10033

Signature: _____
Date: _____
Full Name: Stanley J. Okrasinski
Address: 526 W. 112th Street, Apt. 22A
New York, NY 10025

Signature: 
Date: 03/27/2014
Full Name: Stephane Thiebaut
Address: 34 rue Racine
Antony 92160 FRANCE

Signature: _____
Date: _____
Full Name: Vu Thanh-Hieu Nguyen
Address: Route de Chaffeiru 43
Lentigny CH-1745
SWITZERLAND

Signature: _____
Date: _____
Full Name: _____
Address: _____

Assignment

WHEREAS, I/We, KONOFAGOU, Elisa E.; HUNG, Clark T.; PROVOST, Jean; LUO, Jianwen; OKRASINSKI, Stanley J.; THIEBAUT, Stephane; and NGUYEN, Vu Thanh-Hieu, have made an invention entitled ULTRASOUND DEVICES METHODS AND SYSTEMS for which I/We have filed an application for Letters Patent of the United States on October 18, 2013, under Application No. 14/057,685; 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, continuations, and continuation-in-part of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues or re-exams thereof, together with the right to claim priority under the International Convention in all member countries, for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing; 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 represent and warrant that I/We have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given;

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: _____
Date: _____
Full Name: Elisa E. Konofagou
Address: 101 West End Avenue, Apt. 25G
New York, NY 10023

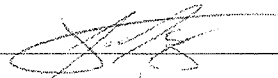
Signature: _____
Date: _____
Full Name: Clark T. Hung
Address: 35 Sheffield Court
Ardsley, NY 10502

Signature: _____
Date: _____
Full Name: Jean Provost
Address: 223 Avenue B
Apt. 3
New York, NY 10009

Signature: _____
Date: _____
Full Name: Jianwen Luo
Address: 344 Fort Washington Avenue
Apt. 5C
New York, NY 10033

Signature: _____
Date: _____
Full Name: Stanley J. Okrasinski
Address: 526 W. 112th Street, Apt. 22A
New York, NY 10025

Signature: _____
Date: _____
Full Name: Stephane Thiebaut
Address: 34 rue Racine
Antony 92160 FRANCE

Signature: 
Date: *March 31st, 2014*
Full Name: Vu Thanh-Hieu Nguyen
Address: Route de Chaffeiru 43
Lentigny CH-1745
SWITZERLAND

Signature: _____
Date: _____
Full Name: _____
Address: _____