

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CONFIRMATORY ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SIMON P. ROBINSON	02/06/2018
ROBERT W. SIEGLER	02/06/2018
NHUNG TUYET NGUYEN	02/06/2018
DAVID C. ONTHANK	02/07/2018
CHARLES CHESTER VAN KIRK	02/06/2018
TARAKESHWAR VISHWANATH ANKLEKAR	02/13/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LANTHEUS MEDICAL IMAGING, INC.
<b>Street Address:</b>	331 TREBLE COVE ROAD
<b>City:</b>	NORTH BILLERICA
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01862
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9789210
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<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>	617-646-8000
<b>Email:</b>	patents_MaryanneT@wolfgreenfield.com, Jasmine.Lo@WolfGreenfield.com
<b>Correspondent Name:</b>	MARIA A. TREVISAN
<b>Address Line 1:</b>	WOLF, GREENFIELD & SACKS, P.C.
<b>Address Line 2:</b>	600 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	N0469.70144US01
<b>NAME OF SUBMITTER:</b>	PUI Y. LO
<b>SIGNATURE:</b>	/PUI Y. LO/
<b>DATE SIGNED:</b>	03/02/2018

**Total Attachments: 8**

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Confirm that I have previously assigned, sold and transferred and/or do hereby sell, assign and transfer to **Lantheus Medical Imaging, Inc.**, a Delaware Corporation having a place of business at **331 Treble Cove Road, North Billerica, Massachusetts 01862**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in:

- the patent application for United States Letters Patent filed in the United States Patent and Trademark Office on **March 16, 2017** under Application No. **15/461,469**, and U. S. Patent No. **9,789,210**, both bearing Docket No. **N0469.70144US01** and entitled **METHODS FOR MAKING ULTRASOUND CONTRAST AGENTS**;
- the patent application for United States Letters Patent filed in the United States Patent and Trademark Office on **May 23, 2017** under Application No. **15/602,580**, bearing Docket No. **N0469.70144US02**, entitled **METHODS FOR MAKING ULTRASOUND CONTRAST AGENTS**;
- the International Application filed on **July 5, 2017** under International Application No. **PCT/US2017/040755**, bearing Docket No. **N0469.70144WO00**, entitled **METHODS FOR MAKING ULTRASOUND CONTRAST AGENTS**; and
- the Taiwanese Application filed on **July 6, 2017** under Taiwanese Application No. **106122700**, bearing Docket No. **N0469.70144TW00**, entitled **METHODS FOR MAKING ULTRASOUND CONTRAST AGENTS**;

and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions and designs; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions and designs, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and designs and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and

designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Feb 6<sup>th</sup> 2018  
Date

Simon P. Robinson  
Inventor: Simon P. Robinson  
Address: 22 Kettell Plain Road  
Stow, Massachusetts 01775  
Citizenship: United Kingdom

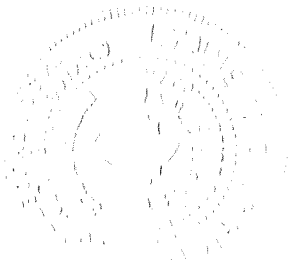
STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex:

On this 6<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Simon P. Robinson, proved to me through satisfactory evidence of identification, which was a Massachusetts license, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Simon M. D'E...  
Notary Public

My commission expires: January 22, 2021



6 Feb 2018  
Date

Robert W Siegler  
Inventor: Robert W. Siegler  
Address: 52 Moore Street  
Chelmsford, MA 01824  
Citizenship: US

STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex:

On this 6<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Robert W. Siegler, proved to me through satisfactory evidence of identification, which was a kenthus security badge, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

[Signature]  
Notary Public

My commission expires: January 22, 2021



06 Feb 2018  
Date

Nhung Nguyen  
Inventor: Nhung Tuyet Nguyen  
Address: 5 Landmark Road  
Westford, Massachusetts 01886  
Citizenship: US

STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex:

On this 6<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Nhung Tuyet Nguyen, proved to me through satisfactory evidence of identification, which was a Hantheus Company security badge, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

[Signature]  
Notary Public

My commission expires: January 22, 2021



07 Feb 2018  
Date

David C. Onthank  
Inventor: David C. Onthank  
Address: 21 Kirk Farm Road  
Groton, Massachusetts 01450  
Citizenship: US

STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex :

On this 7th day of February, 2018, before me, the undersigned notary public, personally appeared David C. Onthank, proved to me through satisfactory evidence of identification, which was a Lenheus Company Security Badge, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Lynne M. DeF...  
Notary Public

My commission expires: January 22, 2021



06 Feb 2018

Date

Charles Chester Van Kirk

Inventor: Charles Chester Van Kirk

Address: 116 Essex Street

Beverly, Massachusetts 01915

Citizenship: US

STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex :

On this 6<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Charles Chester Van Kirk, proved to me through satisfactory evidence of identification, which was a Lantheus Company Security badge, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Lyne M. D'E  
Notary Public

My commission expires: January 22, 2021



13 Feb 2018

Date

Anklekar

Inventor: Tarakeshwar Vishwanath Anklekar

Address: 109 Pinehurst Avenue

Billerica, Massachusetts 01821

Citizenship: US

STATE/Commonwealth Massachusetts  
COUNTY OF Middlesex :

On this 13<sup>th</sup> day of February, 2018, before me, the undersigned notary public, personally appeared Tarakeshwar Vishwanath Anklekar, proved to me through satisfactory identification, which was a Lantheus Company security badge, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Lynne M. D'Elia  
Notary Public

My commission expires: January 22, 2021