PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL GRIFFITH ANDERSON	01/08/2014
KATHRYN ANN WHITEHEAD	01/06/2014
JOSEPH R. DORKIN	07/15/2014
ARTURO JOSE VEGAS	01/08/2014
YUNLONG ZHANG	01/13/2014
ROBERT S. LANGER	01/29/2014

RECEIVING PARTY DATA

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 4

Property Type	Number	
Application Number:	14089603	
Application Number:	13966136	
Application Number:	61682468	
PCT Number:	US2013054726	

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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.

Phone: 617-646-8000

Email: patents_hunterb@wolfgreenfield.com **Correspondent Name:** WOLF, GREENFIELD & SACKS, P.C.

Address Line 1: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

	PATENT
SIGNATURE:	/C. Hunter Baker/
NAME OF SUBMITTER:	C. HUNTER BAKER, M.D., PH.D.
ATTORNEY DOCKET NUMBER:	M1237.70035

502913481 REEL: 033420 FRAME: 0314

DATE SIGNED: 07/30/2014 **Total Attachments: 16** source=M123770035US02-ASI-CHB#page1.tif source=M123770035US02-ASI-CHB#page2.tif source=M123770035US02-ASI-CHB#page3.tif source=M123770035US02-ASI-CHB#page4.tif source=M123770035US02-ASI-CHB#page5.tif source=M123770035US02-ASI-CHB#page6.tif source=M123770035US02-ASI-CHB#page7.tif source=M123770035US02-ASI-CHB#page8.tif source=M123770035US02-ASI-CHB#page9.tif source=M123770035US02-ASI-CHB#page10.tif source=M123770035US02-ASI-CHB#page11.tif source=M123770035US02-ASI-CHB#page12.tif source=M123770035US02-ASI-CHB#page13.tif source=M123770035US02-ASI-CHB#page14.tif source=M123770035US02-ASI-CHB#page15.tif source=M123770035US02-ASI-CHB#page16.tif

> PATENT REEL: 033420 FRAME: 0315

ASSIGNMENT

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

Sell, assign, and transfer to Massachusetts Institute of Technology, a non-profit 1. corporation, having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, 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 applications listed in the table at the end of this paragraph, and in and to said applications and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications, 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 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, 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.

<u>Title</u>	Application	Filing or 371(c) Date
AMINE-CONTAINING LIPIDOIDS AND USES THEREOF	International Application No. PCT/US2013/054726	August 13, 2013
AMINE-CONTAINING LIPIDOIDS AND USES THEREOF	U.S.S.N. 14/089,603	November 25, 2013
AMINE-CONTAINING LIPIDOIDS AND USES THEREOF	U.S.S.N. 13/966,136	August 13, 2013
AMINE-CONTAINING LIPIDOIDS AND USES THEREOF	U.S.S.N. 61/682,468	August 13, 2012

2. Agree that the Assignee may apply for and receive patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, we 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, 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 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 for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

M1237.70035US00 M1237.70035US01 M1237.70035US02 M1237.70035WO00 MIT Ref.: 15420

- 3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the patent to the Assignee;
- 4. 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
- 5. 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.

M1237.70035US00 M1237.70035US01 M1237.70035US02 M1237.70035WO00 MIT Ref.: 15420

0\/o8 /2014 Date	Inventor: Daniel Griffith Anderson Address: 28 Red Oak Drive Sudbury, Massachusetts 01776
	Citizenship: US
Witness:	
01-08-2014 Date	Signature Fautay
	Name: Tara Fawaz
	Address: 500 main Street Building 76, Room 653
	Cambridge, MA 02139

Witness:

Signature

Name:

Joseph Robert Dorkh

Address:

49 Montrose street Somerville, MA, 02143

M1237.70035US00 M1237.70035US01 M1237.700350301 M1237.70035US02 M1237.70035WO00 MIT Ref.: 15420

Date	Inventor:	Kathryn Ann Whitehead	
	Address:	205 Summer Street, #3	
		Somerville, MA 02143	
	Citizenship:		
Witness:			
Date	Signature	3	
	Name:		
	Address:		
Witness:			
Date	Signature		
	Name:		
	Address:		

7/15/2014		Mh
Date	Inventor:	Joseph R. Dorkin
	Address:	49 Montrose Street
		Somerville, Massachusetts 02143
	Citizenship:	US
Witness: 7/15/2017 Date	Signature	Amy C
	olgridiai	V V
	Name:	Amylin
	Address:	500 Main St.
		Cambridge MA 02139
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Date	Signature	
	Name:	Owen Tenton
	Address:	300 Main 57.
		500 Main St. Cambridge MA D2137
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01/08/2014	Africa
Date	Inventor: Arturo Jose Vegas
	Address: 129 Franklin Stylet, Suite 405 328
	Cambridge, MA 02139
	Citizenship: US
Witness:	Am
Date / /	Signature
	Name: ANA JAKLENEC
	Address: 23 Sidney St. Apt 201 Combridge MA 02139
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Witness:	J. MM
Date	Signature
	Name: Joseph Robert Dorkin

Address:

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Date	Inventor:	Yurlong Zhang
	Address:	205 Norfolk Street, Apt. 2
		Cambridge, Massachusetts 02139
	Citizenship:	People's Republic of China
Witness:		
1/13/2014		
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	Name:	Amulin
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Somuville MA 02143

1/2 q/l \dagger Inventor:

Inventor: Robert & Langer Address: 98 Montvale Road

Newton, Massachusetts 02459

Citizenship: US

Witness: ハノしゅ / い

Signature/

Name:

Tuli sana

Address:

500 Main 8+

cambridge MA 02139

Witness:

1/29/14

Date

Signature

Name:

Joseph Robert Dorkm

Address:

49 Montrose street

M1237.70035US00 M1237.70035US01 M1237.70035US02 M1237.70035WO00 MIT Ref.: 15420

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ASSIGNMENT

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

1. Sell, assign, and transfer to Massachusetts Institute of Technology, a non-profit corporation, having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, 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 applications listed in the table at the end of this paragraph, and in and to said applications and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications, 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 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, 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.

<u>Title</u>	<u>Application</u>	Filing or 371(c) Date
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2. Agree that the Assignee may apply for and receive patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, we 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, 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 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 for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

M1237.70035US00 M1237.70035US01 M1237.70035US02 M1237.70035WO00 MIT Ref.: 15420

- 3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the patent to the Assignee;
- 4. 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
- 5. 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.

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Date	Inventor:	Daniel Griffith Anderson
	Address:	28 Red Oak Drive
		Sudbury, Massachusetts 01776
	Citizenship:	US
Witness:		
	- 	
Date	Signature	
	Name:	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

Date	Inventor:	Joseph R. Dorkin
	Address:	49 Montrose Street
		Somerville, Massachusetts 02143
	Citizenship:	US
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	Name:	
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Date	Signature)
	Name:	
	Address:	

Date / Co / L 4	Inventor: Kathryn Ann Whitehead Address: 205 Summer Street, #3 1311 Denniston St. Semerville, MA-02143 Pittsburgh, PA 15217 Citizenship: US KW. 12/30/13
Witness:	Signature Name: Mayan Manter Address: 16 Darlington Ct. PHSburgh, PA 15217
Witness:	Signature John Kitchin Name: John Kitchin Address: 458 5 Dallas Are Pittsburgh Pt 15208

Date	Inventor:	Arturo Jose Vegas
	Address:	129 Franklin Street, Suite 405
		Cambridge, MA 02139
	Citizenship:	
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Date	Signature	
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	Name:	
	Address:	
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Date	Signature	9
	Name:	
	Address:	

Date	Inventor:	Yunlong Zhang
	Address:	205 Norfolk Street, Apt. 2
		Cambridge, Massachusetts 02139
	Citizenship:	People's Republic of China
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Date	Inventor:	Robert S. Langer
	Address:	98 Montvale Road
		Newton, Massachusetts 02459
	Citizenship:	US
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