503640003 01/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3686636

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AKINLEYE C. ALABI	09/10/2014
KEVIN THOMAS LOVE	09/15/2014
DANIEL GRIFFITH ANDERSON	09/09/2014
ROBERT S. LANGER	09/10/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14900869	

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: mderby@wolfgreenfield.com, patents_HunterB@wolfgreenfield.com

Correspondent Name: C. HUNTER BAKER

Address Line 1: WOLF, GREENFIELD AND SACKS, P.C.

Address Line 2: 600 ATLANTIC AVENUE

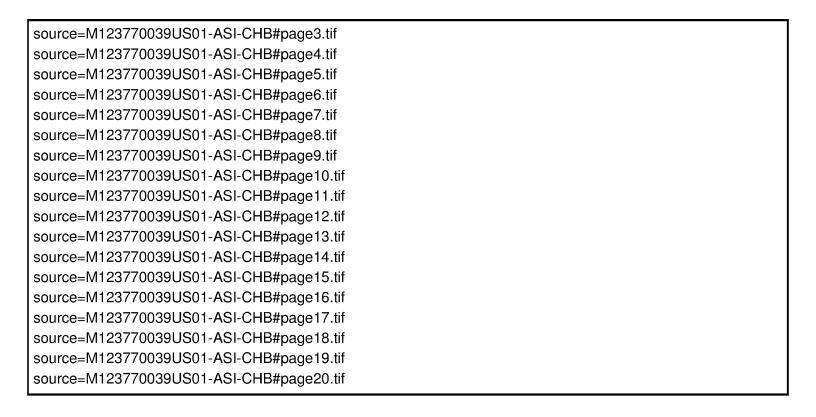
Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	M1237.70039US01	
NAME OF SUBMITTER:	C. HUNTER BAKER, M.D., PH.D.	
SIGNATURE:	/C. Hunter Baker/	
DATE SIGNED:	01/08/2016	

Total Attachments: 20

source=M123770039US01-ASI-CHB#page1.tif source=M123770039US01-ASI-CHB#page2.tif

PATENT 503640003 REEL: 037435 FRAME: 0578



PATENT REEL: 037435 FRAME: 0579

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 Massachusetts non-profit corporation, having a place of business at 77 Massachusetts Ävenue, 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 international PCT application filed with the United States Patent and Trademark Office as the Receiving Office on June 26, 2014, under No. PCT/US2014/044408, bearing Attorney Docket No. M1237.70039WO00, and entitled MULTI-TAILED LIPIDS AND USES THEREOF, and in and to the application and all corresponding provisional, non-provisional, national stage, 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 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:
- 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, national stage, 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;
- 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.

3694789 1

09 /10/2014 Date	inventor: Address:	Akinleye C. Alabi 102 Brandywine Drive Ithaca, New York 14859
	Citizenship:	United States of America Nigeria
Witness: 9/10/2014 Date	<u>///</u> Signatur	<u>long loloso</u>
	Name:	allison Dobish
	Address	
		Itnaca 24 14850
Witness:	yun	. <i>6</i> ° ~ 8
9 10 2014 Date	Signatur	ruana N Squlu
	Name:	Breana Coule
	Address	: 462 E Brood way St.
		Montour Falls, NY 14865

Date	Inventor:	Kevin Thomas Love
	Address	403 Commonwealth Avenue, #5R
		Boston, MA 02215
		United States of America
	Citizenship:	US
Witness:		
		A.
Date	Signature	•
	Name:	
	Address:	
Witness		
Date	Signatur	3
	Name:	
	Address	

M1237.70039W000 3/5 3694799.1

Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
		Framingham, Massachusetts 01701
		United States of America
	Citizenship:	US
Witness:		
Date	Signature	3
Date	3	
	Name:	
	Address:	
Witness:		
Date	Signatur	8
	Name:	
	Address	

M1237,70039WQ00 4/5 **3694789.1**

Date	Inventor:	Robert S. Langer
	Address:	98 Montvale Road
		Newton, Massachusetts 02459
		United States of America
	Citizenship:	US
Witness:		
Date	Signatur	8
	Name:	
	Address	:
Witness:		
Date	Signatur	e e
	Name:	
	3	
	Address	

M1237,70039W000 5/5 **3694789.1**

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 Massachusetts 1 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 international PCT application filed with the United States Patent and Trademark Office as the Receiving Office on June 26, 2014, under No. PCT/US2014/044408, bearing Attorney Docket No. M1237.70039WO00, and entitled MULTI-TAILED LIPIDS AND USES THEREOF, and in and to the application and all corresponding provisional, non-provisional, national stage, 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 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;
- 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, national stage, 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;
- 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.

M1237.70039WO00 1/5 3694789.1

Date	Inventor:	Akinleye C. Alabi	***************************************
	Address:	102 Brandywine Drive	
		Ithaca, New York 14859	
		United States of America	
	Citizenship:	Nigeria	
Witness:			
Date	Signature		
	Name:		
	Address:		Aldredomonomonomonom

Witness:			
Date	Signature		
	Name:		***************************************
	Address:		

M1237.70039WO00

2/5

15 Sept 2014		Levi Ou
Date	Inventor:	Kevin Thomas Love
	Address:	403 Commonwealth Avenue, #5R
		Boston, MA 02215
		United States of America
	Ditizenship:	US
Witness:		
15 Sept 2014	Alm	mmh
Date	Signature	
	Name:	Alysia a Larson
		1104274 W CA19010
	Address:	4 Layfellar 11 A+310
		4 Layfellar 11 Apt 310 Buston MA 62114
Witness:		: 4/1 o
15 September 2014	Ell	lea McOnino
Date	Signature	

Name:

Address:

Eileen Ucavire

5A Union St. Apt #2

Cambridge, Mr 02139

Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
		Framingham, Massachusetts 01701
		United States of America
	Citizenship:	US
Witness:		
Date	Signature	
	Oignatato	
	Name:	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	
	, aaroaa,	

Date	Inventor:	Robert S. Langer
	Address:	98 Montvale Road
		Newton, Massachusetts 02459
		United States of America
	Citizenship:	US
Witness:		
Date	Signature	
	Name:	
	Address:	
Witness:		
Wilaioss.		
Date	Signature	
	Name:	
	Address:	

M1237.70039WO00 5/5 **3694789.1**

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 Massachusetts 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 international PCT application filed with the United States Patent and Trademark Office as the Receiving Office on June 26, 2014, under No. PCT/US2014/044408, bearing Attorney Docket No. M1237.70039WO00, and entitled MULTI-TAILED LIPIDS AND USES THEREOF, and in and to the application and all corresponding provisional, non-provisional, national stage. 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 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;
- 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, national stage, 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;
- 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.

M1237,70039WO00 1/5 **3694789.1**

Date	Inventor:	Akinleye C. Alabi	
	Address:	102 Brandywine Drive	
		Ithaca, New York 14859	
		United States of America	
	Citizenship:		
Witness:			
Date	Signature		
Dale	Signature	· ·	
	Name:		
	Address:		
Witness:			
Date	Signature		<u> </u>
	Name:		
	Address:		

2/5

Date	Inventor: Address: Citizenship:	Boston, MA 02215 United States of America
Witness:		
Date	Signature	
	Name:	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

<u>09/09/14</u> Date	Inventor: Daniel Griffith Anderson Address: 78 Carter Drive Framingham, Massachusetts 01701 United States of America Citizenship: US
Witness: 9/09/2014 Date	Signature Name: Arcuro Vegas Address: 500 Main Street, 76-6612 Cambridge, MM 02139
Witness: 9/9/2014 Date	Signature Name: Tuli Saha Address: SUO Main St. Cambridge MA ()2139

Date	Inventor:	Robert S. Langer
	Address:	98 Montvale Road
		Newton, Massachusetts 02459
		United States of America
	Citizenship:	
Witness:		
Date	Signature	
	Name:	
	Address:	
Witness:		
Date	Signature	
Date	Signature	
	Name:	
	Address:	

M1237.70039WO00 5/5 **3694789.1**

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 Massachusetts 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 international PCT application filed with the United States Patent and Trademark Office as the Receiving Office on June 26, 2014, under No. PCT/US2014/044408, bearing Attorney Docket No. M1237.70039WO00, and entitled MULTI-TAILED LIPIDS AND USES THEREOF, and in and to the application and all corresponding provisional, non-provisional, national stage, 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 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;
- 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, national stage, 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;
- 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.

M1237.70039WO00 1/5 **3694789.1**

Date	Inventor:	Akinleye C. Alabi
	Address:	102 Brandywine Drive
		Ithaca, New York 14859
		United States of America
	Citizenship:	Nigeria
Witness:		
Date	Signature	
	y	
	Name:	
	A alainn a a .	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

M1237.70039WO00 2/5 **3694789.1**

Date	Inventor:	Kevin Thomas Love
	Address:	403 Commonwealth Avenue, #5R
		Boston, MA 02215
		United States of America
	Citizenship:	US
Witness:		
Date	Signature	3
	•	
	Name:	
	Address:	
Witness:		
WIG1655.		
Date	Signature	
Date	Signature	
	Name:	
	Address:	
	Address:	

M1237.70039WO00 3/5 **3694789.1**

Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
		Framingham, Massachusetts 01701
		United States of America
	Citizenship:	US
Witness:		
Date	Signature	3
	5. 1	
	Name:	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

9/10/14	Much
Date	Inventor: Robert S. Langer
	Address: 98 Montvale Road
	Newton, Massachusetts 02459
	United States of America
	Citizenship: US
Witness:	Tarli Vall lat
9/10/14 Date	Signature Signature
Date	,
	Name: Julia Van Wart
	Address: 18 Garden St, Unit B
	Boston, MA 02114
Witness: 9/10/14	Jul Jul
Date	Signature /
	Name: Tuli Saha
	Address: 500 Main St.
	cambridge M 02139

M1237.70039WO00

RECORDED: 01/08/2016

5/5