PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY M. SWAGER	12/22/2014
SAMUEL W. THOMAS III	10/23/2014
KOUSHIK VENKATESAN	10/27/2014

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:	14332231

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.

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Email: mrobles@wolfgreenfield.com **Correspondent Name:** TIMOTHY J. OYER, PH.D.

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

Address Line 2: 600 ATLANTIC AVENUE

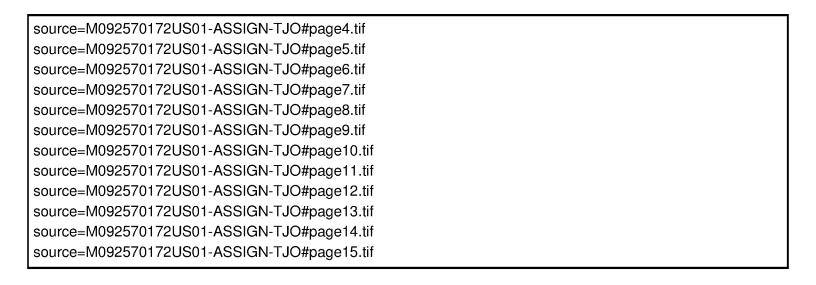
Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	M0925.70172US01
NAME OF SUBMITTER:	MARIA N. ROBLES
SIGNATURE:	/Maria N. Robles/
DATE SIGNED:	03/11/2015

Total Attachments: 15

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PATENT 503214282 REEL: 035141 FRAME: 0297



ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, 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 application for United States Letters Patent filed in the United States Patent and Trademark Office on July 15, 2014 under No. 14/332,231, bearing Attorney Docket No. M0925.70172US01, and entitled SENSOR OF SPECIES INCLUDING TOXINS AND CHEMICAL WARFARE 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 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;
- 2. Agree that the Assignee may apply for and receive Letters 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, I 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;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/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.

Attorney Docket No. M0925.70172US01

Page 1 of 5



12/22/2014		Smal M Swan
Date	Inventor:	Timothy M. Swager
	Address:	18 Copley Street
		Newton, Massachusetts 02458
	Citizenship:	US
Witness:		D, 1 188 ~
December 22, 2014		D.MUM. (I
Date	Signature	
	Name:	Betty Louise McClanahan

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٧V	IU I	C33	

12/22/14 Date

Address: 26 Linnaean Street

Cambridge, MA 02138

Signature

Name: Kathy Sweeney

Address: 169 Kovin Road

Brockton, MA 02302

Attorney Docket No. M0925.70172US01

Page 3 of 5

Date	Inventor:	Samuel W. Thomas, III
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		Apt. 515
		Quincy, MA 02171
	Citizenship:	US
Witness:		
Date	Signature	e
	Name:	
	Address:	
Witness:		
Date	Signature	9
	Name:	
	Address:	
	Address.	
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Page 4 of 5

Date	Inventor:	Koushik Venkatesan
	Address:	University of Zurich
		Institute of Inorganic Chemistry
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		CH-8057 Zurich
		SWITZERLAND
	Citizenship:	India
Witness:		
Date	Signature)
	Name:	
	Name.	
	Address:	
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Witness:		
Date	Signature	9
	Name:	
	Address:	

Page 5 of 5

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- 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 application for United States Letters Patent filed in the United States Patent and Trademark Office on July 15, 2014 under No. 14/332,231, bearing Attorney Docket No. M0925.70172US01, and entitled SENSOR OF SPECIES INCLUDING TOXINS AND CHEMICAL WARFARE 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 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;
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Page 1 of 5



Page 2 of 5

Date	Inventor:	Timothy M. Swager
	Address:	18 Copley Street
		Newton, Massachusetts 02458
C	Citizenship:	US
Witness:		
Date	Signature	
	Name:	
	Address:	
Witness:		
Date	Signature	9
	Name:	
	Address:	

Page 3 of 5

10-23-14 Date	Inventor: Samuel W. Thomas, III Address: 7-Seaport Drive 117 Showshen Rd SnI Apt. 515 Anday, MA Quincy, MA 02171 01810 Citizenship: US
Witness:	Name: Clay Bennett Address: 23 Walnut Road Somerville, MA 02145
Witness: 10/93/14 Date	E-Rybery - Akingra Signature Name: Elena Ryber - Akimora Address: 18 Hinds Road

Windester, MA 01890

Date	Inventor:	Koushik Venkatesan
	Address:	University of Zurich
		Institute of Inorganic Chemistry
		Winterthurerstrasse, 190
		CH-8057 Zurich
		SWITZERLAND
	Citizenship:	India
Witness:		
Date	 Signature	9
	Name:	
	Address:	
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	Name:	
	Address	

Page 5 of 5

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- 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.

Attorney Docket No. M0925.70172US01

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Page 2 of 5

Attorney Docket No. M0925.70172US01

3670907.1

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

Date	Inventor:	Timothy M. Swager
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		Newton, Massachusetts 02458
	Citizenship:	US
Witness:		
Date	Signature	
	Name:	
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	Address:	
AAP.		
Witness:		
Date	Signature	
Date	Signature	;
	Name:	
	Address:	

Page 3 of 5

Attorney Docket No. M0925.70172US01

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Date	Inventor:	Samuel W. Thomas, III	
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1177			
Witness:			
Date	Signature		
Date	Signature	•	
	Name:		
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Witness:			
Date	Signature		
	Name:		
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Page 4 of 5

Attorney Docket No. M0925.70172US01

27.	10-	2014
Date		

Inventor: Koushik Venkatesan
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Institute of Inorganic Chemistry Winterthurerstrasse, 190

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Attorney Docket No. M0925.70172US01

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RECORDED: 03/11/2015