

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3170359

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the DATE OF EXECUTION DATE OF MARCH 4, 2012 FOR INVENTOR BRIAN WARDLE previously recorded on Reel 034370 Frame 0664. Assignor(s) hereby confirms the CORRECT DATE OF EXECUTION AS MARCH 9, 2012.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN A. STEINER III	01/18/2012
BRIAN L. WARDLE	03/09/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<b>Street Address:</b>	77 MASSACHUSETTS AVENUE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14485133
<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>	617-646-8360
<b>Email:</b>	mrobles@wolfgreenfield.com
<b>Correspondent Name:</b>	BRANDON S. BLACKWELL, PH.D.
<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>	M0925.70251US03
<b>NAME OF SUBMITTER:</b>	MARIA N. ROBLES
<b>SIGNATURE:</b>	/Maria N. Robles/
<b>DATE SIGNED:</b>	01/06/2015
<b>Total Attachments: 5</b>	
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3132015

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN A. STEINER III	01/18/2012
BRIAN L. WARDLE	03/04/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<b>Street Address:</b>	77 MASSACHUSETTS AVENUE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14485133
<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>	617-646-8360
<b>Email:</b>	mrobles@wolfgreenfield.com
<b>Correspondent Name:</b>	BRANDON S. BLACKWELL, PH.D.
<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>	M0925.70251US03
<b>NAME OF SUBMITTER:</b>	MARIA N. ROBLES
<b>SIGNATURE:</b>	/Maria N. Robles/
<b>DATE SIGNED:</b>	12/04/2014
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, 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, described in any patent applications of the following table, and in and to said applications 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, and those listed on the table below, 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, which are disclosed in the following applications:


<u>Title</u>	<u>Application No.</u>	<u>Attorney Docket No.</u>	<u>Filing Date</u>
SYSTEMS AND METHODS RELATED TO THE FORMATION OF CARBON- BASED NANOSTRUCTURES	U.S. Application Number 61/230267	M0925.70251US00	July 31, 2009
SYSTEMS AND METHODS RELATED TO THE FORMATION OF CARBON- BASED NANOSTRUCTURES	U.S. Application Number 12/847905	M0925.70251US01	July 30, 2010
SYSTEMS AND METHODS RELATED TO THE FORMATION OF CARBON- BASED NANOSTRUCTURES	International Application Number PCT/US2010/002135	M0925.70251WO00	July 30, 2010

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 and non-US patent authorities 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.

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 01/18/2012

Inventor:   
Stephen A. Steiner, III

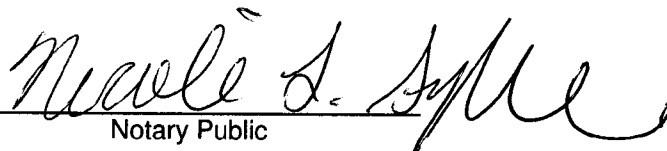
Address: 26 Columbia Street  
Cambridge, Massachusetts 02139

Citizenship: US

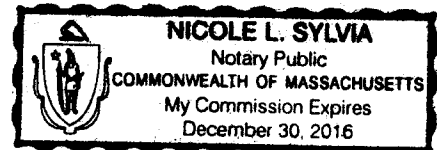
STATE/COMMONWEALTH OF Massachusetts  
COUNTY OF middlesex:

On this 18<sup>th</sup> day of January, 2012, before me, the undersigned notary public, personally appeared Stephen A. Steiner, III, proved to me through satisfactory evidence of identification, which were United States passport, 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

  
Notary Public

My commission expires: 12-30-2016



3/9/12  
Date

[Signature]  
Inventor: Brian L. Wardle  
Address: 59 Harding Road  
Lexington, MA 02420  
Citizenship: US

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex:

On this 9th day of March, 2012, before me, the undersigned notary public, personally appeared Brian L. Wardle, proved to me through satisfactory evidence of identification, which were MA State Drivers 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

[Signature]  
Notary Public

My commission expires: May 19, 2017

