505057056 08/22/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS RUECKES	03/04/2011
H. MONTGOMERY MANNING	11/23/2010
RAHUL SEN	11/22/2010

RECEIVING PARTY DATA

Name:	NANTERO, INC.
Street Address:	25 OLYMPIA AVE SUITE B
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15357003

CORRESPONDENCE DATA

Fax Number: (781)932-5339

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: 5087142415

Email: patent-review@nantero.com

Correspondent Name: NANTERO, INC.

Address Line 1: 25 OLYMPIA AVE SUITE B

Address Line 4: WOBURN, MASSACHUSETTS 01801

ATTORNEY DOCKET NUMBER:	112020.280US6(NAN-141)
NAME OF SUBMITTER:	JASON TOOMEY
SIGNATURE:	/jason toomey/
DATE SIGNED:	08/22/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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PATENT 505057056 REEL: 046663 FRAME: 0137

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ASSIGNMENT

WHEREAS, we, Thomas Rueckes, residing at 21 Pleasant Street, Rockport, MA 01966, H. Montgomery Manning, residing at 3695 W. Houseland Court, Eagle, ID 83616, and Rahul Sen, residing at 8 Robinson Road, Lexington, MA 02420 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled "METHODS FOR PASSIVATING A NANOTUBE FABRIC LAYER BY CONTROLLING THE DENSITY OF THE NANOTUBE FABRIC LAYER," which utility patent application was filed in the United States Patent and Trademark Office on October 22, 2010 and assigned Application No. 12/910,714; and

WHEREAS, Nantero, Inc., a corporation of Delaware, whose address is 25-D Olympia Avenue, Woburn, MA 01801, and which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

- 1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said applications, and any and all Letters Patents, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent;
- Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patents to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;
- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;
- ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to us relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

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31412011	Than Roll
Date	Thomas Rueckes
State of)	
County of)	
public, personally appeared Thomas Ruidentification, to be the person whose na	, 2010, before me, the undersigned notary acckes, proved to me through satisfactory evidence of ame is signed on the preceding or attached document, ne contents of the document are truthful and accurate to
	Notary Public My Commission Expires:
IN TESTIMONY WHEREOF, I have he $11/23/10$	Freunto set my hand and seal.
Date	H. Montgomery Maining
State of) County of)	
public, personally appeared H. Montgor evidence of identification, to be the person	, 2010, before me, the undersigned notary mery Manning , proved to me through satisfactory on whose name is signed on the preceding or attached o me that the contents of the document are truthful and d belief.
	Notary Public
	My Commission Expires:

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

ASSIGNMENT

WHEREAS, we, Thomas Rueckes, residing at 21 Pleasant Street, Rockport, MA 01966, H. Montgomery Manning, residing at 3695 W. Houseland Court, Eagle, ID 83616, and Rahul Sen, residing at 8 Robinson Road, Lexington, MA 02420 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled "METHODS FOR PASSIVATING A NANOTUBE FABRIC LAYER BY CONTROLLING THE DENSITY OF THE NANOTUBE FABRIC LAYER," which utility patent application was filed in the United States Patent and Trademark Office on October 22, 2010 and assigned Application No. 12/910,714; and

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NOW, THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

- 1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said applications, and any and all Letters Patents, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent;
- 2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patents to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;
- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;
- ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to us relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

Date	Thomas Rueckes
State of	
ý	
County of)	
identification, to be the person whose name	, 2010, before me, the undersigned notary ekes, proved to me through satisfactory evidence of e is signed on the preceding or attached document, contents of the document are truthful and accurate to
·	Notary Public My Commission Expires:
IN TESTIMONY WHEREOF, I have here	unto set my hand and seal.
Date	H. Montgomery Manning
State of)	
County of)	
evidence of identification, to be the person	, 2010, before me, the undersigned notary Manning , proved to me through satisfactory whose name is signed on the preceding or attached e that the contents of the document are truthful and elief.
	Notary Public
	My Commission Expires:
	-

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

Nov.	22,2010	Rahult
	Date	Rahul Sen
State of)	
County of)	
On this day of, 2010, before me, the undersigned notary public, personally appeared Rahul Sen , proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.		
		Notary Public
		My Commission Expires: