

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6245155

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	RAHUL SEN	11/16/2012
	J. THOMAS KOCAB	10/30/2012
	FENG GU	11/20/2012
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NANTERO, INC.	
<b>Street Address:</b>	25 OLYMPIA AVE SUITE B	
<b>City:</b>	WOBURN	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	01801	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15483614	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>Email:</b>	patent-review@nantero.com	
<b>Correspondent Name:</b>	NANTERO, INC.	
<b>Address Line 1:</b>	25 OLYMPIA AVE SUITE B	
<b>Address Line 4:</b>	WOBURN, MASSACHUSETTS 01801	
<b>ATTORNEY DOCKET NUMBER:</b>	112020.283US3(NAN-145)	
<b>NAME OF SUBMITTER:</b>	JASON TOOMEY	
<b>SIGNATURE:</b>	/jason toomey/	
<b>DATE SIGNED:</b>	08/11/2020	
<b>Total Attachments: 8</b>		
source=NAN145US2_Assignment#page1.tif		
source=NAN145US2_Assignment#page2.tif		
source=NAN145US2_Assignment#page3.tif		
source=NAN145US2_Assignment#page4.tif		
source=NAN145US2_Assignment#page5.tif		

source=NAN145US2\_Assignment#page6.tif

source=NAN145US2\_Assignment#page7.tif

source=NAN145US2\_Assignment#page8.tif

**PATENT**

**REEL: 053460 FRAME: 0350**

## ASSIGNMENT

WHEREAS, we, **RAHUL SEN**, residing at 8 Robinson Road, Lexington, Massachusetts 02420, **J. THOMAS KOCAB**, residing at 230 Bell House Road, West Kingston, RI 02892 and **FENG GU**, residing at 3027 Terra Maria Way, Ellicott City, MD 21042 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled "**METHODS FOR CONTROLLING DENSITY, POROSITY, AND/OR GAP SIZE WITHIN NANOTUBE FABRIC LAYERS AND FILMS**," which utility patent application was filed in the United States Patent and Trademark Office on August 13, 2012 and assigned Application No. 13/578,691; 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;
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;

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon 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.

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

_____	_____
Date	<b>Rahul SEN</b>
State of _____ )	
County of _____ )	

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, 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: \_\_\_\_\_

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

_____	_____
Date	<b>J. Thomas KOCAB</b>
State of _____ )	
County of _____ )	

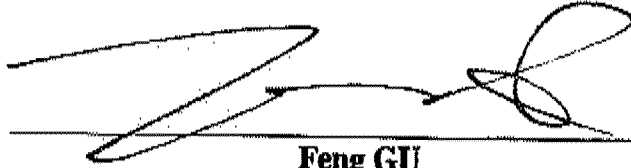
On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared **J. THOMAS KOCAB**, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

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

Nov. 20, 2012

Date

  
\_\_\_\_\_  
Feng GU

State of

)

County of

)

)

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared **FENG GU**, 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: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, we, **RAHUL SEN**, residing at 8 Robinson Road, Lexington, Massachusetts 02420, **J. THOMAS KOCAB**, residing at 230 Bell House Road, West Kingston, RI 02892 and **FENG GU**, residing at 3027 Terra Maria Way, Ellicott City, MD 21042 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled "**METHODS FOR CONTROLLING DENSITY, POROSITY, AND/OR GAP SIZE WITHIN NANOTUBE FABRIC LAYERS AND FILMS**," which utility patent application was filed in the United States Patent and Trademark Office on August 13, 2012 and assigned Application No. 13/578,691; 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;

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;

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon 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.



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

Nov 16, 2012  
Date

Rahul  
Rahul SEN


State of )  
)  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, 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:

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

10-30-2012  
Date

  
J. Thomas KOCAB

State of )  
)  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared **J. THOMAS KOCAB**, 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:

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

_____	_____
Date	<b>Feng GU</b>
State of _____	)
	)
County of _____	)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared **FENG GU**, 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: \_\_\_\_\_