

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jonathan W. Ward</td><td>06/01/2010</td></tr><tr><td>Darren K. Brock</td><td>06/04/2010</td></tr></tbody></table>		Name	Execution Date	Jonathan W. Ward	06/01/2010	Darren K. Brock	06/04/2010				
Name	Execution Date										
Jonathan W. Ward	06/01/2010										
Darren K. Brock	06/04/2010										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Nantero, Inc.</td></tr><tr><td>Street Address:</td><td>25-D Olympia Avenue</td></tr><tr><td>City:</td><td>Woburn</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>01801</td></tr></table>		Name:	Nantero, Inc.	Street Address:	25-D Olympia Avenue	City:	Woburn	State/Country:	MASSACHUSETTS	Postal Code:	01801
Name:	Nantero, Inc.										
Street Address:	25-D Olympia Avenue										
City:	Woburn										
State/Country:	MASSACHUSETTS										
Postal Code:	01801										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11835759</td></tr></tbody></table>		Property Type	Number	Application Number:	11835759						
Property Type	Number										
Application Number:	11835759										
CORRESPONDENCE DATA											
Fax Number: (617)526-5000 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 6175266000											
Email: michael.mathewson@wilmerhale.com											
Correspondent Name: Larissa Park											
Address Line 1: 60 State Street											
Address Line 2: Wilmer Cutler Pickering Hale and Dorr											
Address Line 4: Boston, MASSACHUSETTS 02109											
ATTORNEY DOCKET NUMBER:	112020.228 US3										
NAME OF SUBMITTER:	Larissa Park										
Total Attachments: 16 source=0112020_00228US3_Assignment#page1.tif source=0112020_00228US3_Assignment#page2.tif											

OP \$40.00 11835759

501288142

PATENT
REEL: 024974 FRAME: 0764

source=0112020_00228US3_Assignment#page3.tif
source=0112020_00228US3_Assignment#page4.tif
source=0112020_00228US3_Assignment#page5.tif
source=0112020_00228US3_Assignment#page6.tif
source=0112020_00228US3_Assignment#page7.tif
source=0112020_00228US3_Assignment#page8.tif
source=0112020_00228US3_Assignment#page9.tif
source=0112020_00228US3_Assignment#page10.tif
source=0112020_00228US3_Assignment#page11.tif
source=0112020_00228US3_Assignment#page12.tif
source=0112020_00228US3_Assignment#page13.tif
source=0112020_00228US3_Assignment#page14.tif
source=0112020_00228US3_Assignment#page15.tif
source=0112020_00228US3_Assignment#page16.tif

ASSIGNMENT

WHEREAS, we, **Claude L. Bertin**, a citizen of the United States of America, residing at 514 Sawgrass Bridge Road, Venice, Florida 34292; **Thomas Rueckes**, being a citizen of the United States of America, residing at 31 Norwood Avenue, Rockport, Massachusetts 01966; **X. M. Henry Huang**, a citizen of the People's Republic of China, residing at 76 Mill Street, #12, Woburn, Massachusetts 01801; **Ramesh Sivarajan**, a citizen of India, residing at 53 Lebeaux Drive, Shrewsbury, Massachusetts 01545; **Eliodor G. Ghenciu**, a citizen of the United States of America, residing at 638 Forge Spring Way, King of Prussia, Pennsylvania 19406; **Steven L. Konsek**, a citizen of the United States of America, residing at 41 Bay State Road, Boston, Massachusetts 02215; and, **Mitchell Meinhold**, a citizen of the United States of America, residing at 7 Maynard Street, #2, Arlington, Massachusetts 02474; **Jonathan W. Ward**, a citizen of the United States of America, residing at 4271 Sleepy Lake Drive, Fairfax, Virginia 22033; and **Darren K. Brock**, a citizen of the United States of America, residing at 481 Place Lane, Woburn, Massachusetts 01801 are the inventors of certain new and useful inventions and discoveries which are disclosed in a specification entitled **Nonvolatile Nanotube Diodes and Nonvolatile Nanotube Blocks and Systems Using Same and Methods of Making Same**, which patent application was filed in the United States Patent and Trademark Office on **August 8, 2007** and assigned Application No. **11/835,759**; 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	_____ Claude L. Bertin
State of _____)	
County of _____)	

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Claude L. Bertin**, 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	_____ Thomas Rueckes
State of _____)	
County of _____)	

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Thomas Rueckes**, 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	X. M. Henry Huang
State of)
)
County of)

On this ____ day of _____, 2010, before me, the undersigned notary public, personally appeared **X. M. Henry Huang**, 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	Ramesh Sivarajan
State of)
)
County of)

On this ____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Ramesh Sivarajan**, 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	Eliodor G. Ghenciu
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Eliodor G. Ghenciu**, 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	Steven L. Konsek
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Steven L. Konsek**, 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	Mitchell Meinhold
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Mitchell Meinhold**, 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	Jonathan W. Ward
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Jonathan W. Ward**, 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.

6/4/10

Date

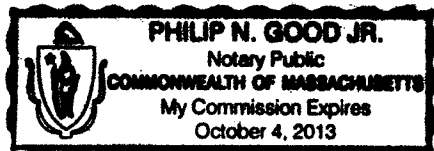


Darren K. Brock

State of MASSACHUSETTS

County of MIDDLESEX

On this 4th day of June, 2010, before me, the undersigned notary public, personally appeared **Darren K. Brock**, 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: 10/4/2013

ASSIGNMENT

WHEREAS, we, **Claude L. Bertin**, a citizen of the United States of America, residing at 514 Sawgrass Bridge Road, Venice, Florida 34292; **Thomas Rueckes**, being a citizen of the United States of America, residing at 31 Norwood Avenue, Rockport, Massachusetts 01966; **X. M. Henry Huang**, a citizen of the People's Republic of China, residing at 76 Mill Street, #12, Woburn, Massachusetts 01801; **Ramesh Sivarajan**, a citizen of India, residing at 53 Lebeaux Drive, Shrewsbury, Massachusetts 01545; **Eliodor G. Ghenciu**, a citizen of the United States of America, residing at 638 Forge Spring Way, King of Prussia, Pennsylvania 19406; **Steven L. Konsek**, a citizen of the United States of America, residing at 41 Bay State Road, Boston, Massachusetts 02215; and, **Mitchell Meinhold**, a citizen of the United States of America, residing at 7 Maynard Street, #2, Arlington, Massachusetts 02474; **Jonathan W. Ward**, a citizen of the United States of America, residing at 4271 Sleepy Lake Drive, Fairfax, Virginia 22033; and **Darren K. Brock**, a citizen of the United States of America, residing at 481 Place Lane, Woburn, Massachusetts 01801 are the inventors of certain new and useful inventions and discoveries which are disclosed in a specification entitled **Nonvolatile Nanotube Diodes and Nonvolatile Nanotube Blocks and Systems Using Same and Methods of Making Same**, which patent application was filed in the United States Patent and Trademark Office on **August 8, 2007** and assigned Application No. **11/835,759**; 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	Claude L. Bertin
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Claude L. Bertin**, 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	Thomas Rueckes
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Thomas Rueckes**, 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		_____ X. M. Henry Huang
State of)	
)	
County of)	

On this ____ day of _____, 2010, before me, the undersigned notary public, personally appeared **X. M. Henry Huang**, 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		_____ Ramesh Sivarajan
State of)	
)	
County of)	

On this ____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Ramesh Sivarajan**, 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	Eliodor G. Ghenciu
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Eliodor G. Ghenciu**, 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	Steven L. Konsek
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Steven L. Konsek**, 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: _____

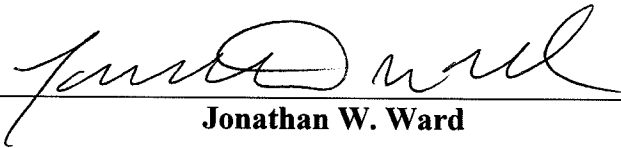
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

_____	_____
Date	Mitchell Meinhold
State of _____)	
County of _____)	

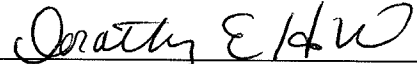
On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Mitchell Meinhold**, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his knowledge and belief.

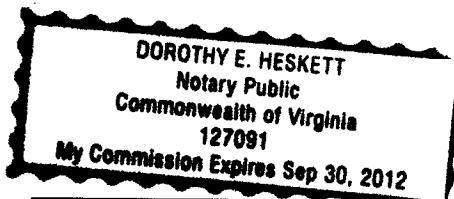
Notary Public
My Commission Expires: _____

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

<u>6/1/2010</u>	<u></u>
Date	Jonathan W. Ward
State of _____)	
County of _____)	

On this 1st day of June, 2010, before me, the undersigned notary public, personally appeared **Jonathan W. Ward**, 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: 9/30/12



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

_____	_____
Date	Darren K. Brock
State of _____)
)
County of _____)

On this _____ day of _____, 2010, before me, the undersigned notary public, personally appeared **Darren K. Brock**, 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: _____