

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Claude L. Bertin	12/04/2009
Thomas Rueckes	12/04/2009
Brent M. Segal	12/09/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Nantero, Inc.
Street Address:	25-D Olympia Avenue
City:	Woburn
State/Country:	MASSACHUSETTS
Postal Code:	01801
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12246013
<b>CORRESPONDENCE DATA</b>	
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:	112020.168 US6
NAME OF SUBMITTER:	Larissa Park
Total Attachments: 12 source=0112020_00168US6_Assignment#page1.tif	

OP \$40.00 12246013

**501152673**

**PATENT**  
**REEL: 024257 FRAME: 0522**

source=0112020\_00168US6\_Assignment#page2.tif  
source=0112020\_00168US6\_Assignment#page3.tif  
source=0112020\_00168US6\_Assignment#page4.tif  
source=0112020\_00168US6\_Assignment#page5.tif  
source=0112020\_00168US6\_Assignment#page6.tif  
source=0112020\_00168US6\_Assignment#page7.tif  
source=0112020\_00168US6\_Assignment#page8.tif  
source=0112020\_00168US6\_Assignment#page9.tif  
source=0112020\_00168US6\_Assignment#page10.tif  
source=0112020\_00168US6\_Assignment#page11.tif  
source=0112020\_00168US6\_Assignment#page12.tif

## ASSIGNMENT

WHEREAS, we, **Claude L. Bertin**, residing at 514 Sawgrass Bridge Road, Venice, Florida 34292 **Thomas Rueckes**, residing at 21 Pleasant Street, Rockport, Massachusetts 01966, and **Brent M. Segal**, residing at 15 Mayflower Road, Woburn, Massachusetts 01801 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled “**Nanotube-Based Switching Elements with Multiple Controls and Logic Circuits Having Said Element**,” which utility patent application was filed in the United States Patent and Trademark Office on October 6, 2008 and assigned Application No. 12/246013; 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;

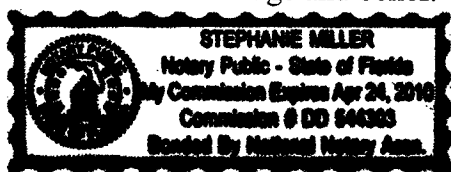
5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters 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.

Dec. 4, 2009                      Claude L. Bertin  
Date                                      Claude L. Bertin

State of Florida                      )  
County of Sarasota                      )

On this 4<sup>th</sup> day of December, 2009, 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.



Stephanie Miller  
Notary Public  
My Commission Expires: April 24, 2010

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

\_\_\_\_\_  
Date                                      **Thomas Rueckes**

State of                                      )  
County of                                      )

On this \_\_\_\_ day of \_\_\_\_\_, 2009, 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	<b>Brent M. Segal</b>
State of _____	)
	)
County of _____	)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Brent M. Segal**, 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: \_\_\_\_\_

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

## ASSIGNMENT

WHEREAS, we, **Claude L. Bertin**, residing at 514 Sawgrass Bridge Road, Venice, Florida 34292 **Thomas Rueckes**, residing at 21 Pleasant Street, Rockport, Massachusetts 01966, and **Brent M. Segal**, residing at 15 Mayflower Road, Woburn, Massachusetts 01801 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled “**Nanotube-Based Switching Elements with Multiple Controls and Logic Circuits Having Said Element**,” which utility patent application was filed in the United States Patent and Trademark Office on October 6, 2008 and assigned Application No. 12/246013; 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.



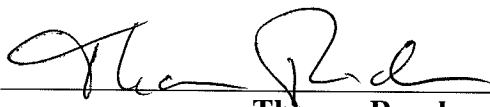
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

_____	_____
Date	<b>Claude L. Bertin</b>
State of _____ )	
County of _____ )	

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, 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.

<u>12/4/09</u>	
Date	<b>Thomas Rueckes</b>
State of <u>Massachusetts</u> )	
County of <u>Middlesex</u> )	

On this 4<sup>th</sup> day of December, 2009, 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.

Elsie M. Saraglow  
Notary Public  
My Commission Expires: July 23, 2015

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

_____	_____
Date	<b>Brent M. Segal</b>
State of _____	)
	)
County of _____	)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Brent M. Segal**, 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, **Claude L. Bertin**, residing at 514 Sawgrass Bridge Road, Venice, Florida 34292 **Thomas Rueckes**, residing at 21 Pleasant Street, Rockport, Massachusetts 01966, and **Brent M. Segal**, residing at 15 Mayflower Road, Woburn, Massachusetts 01801 are the inventors of certain new and useful inventions and discoveries which are disclosed in a patent application for Letters Patent entitled “**Nanotube-Based Switching Elements with Multiple Controls and Logic Circuits Having Said Element**,” which utility patent application was filed in the United States Patent and Trademark Office on October 6, 2008 and assigned Application No. 12/246013; 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>Claude L. Bertin</b>
State of _____	)
	)
County of _____	)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, 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	<b>Thomas Rueckes</b>
State of _____	)
	)
County of _____	)

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, 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.

Dec 9, 2009      Brent M. Segal  
Date      Brent M. Segal

State of      )  
County of      )

On this \_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared **Brent M. Segal**, 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: \_\_\_\_\_