

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3597392

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GARY W RUBLOFF	03/25/2015
SANG BOK LEE	03/25/2015
ISRAEL PEREZ	04/02/2015
LAURENT LECORDIER	10/29/2015
PARAG BANERJEE	03/25/2015
CHANYUAN LIU	10/22/2015
XINYI CHEN	03/24/2015
ELEANOR GILLETTE	03/30/2015
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF MARYLAND, COLLEGE PARK
Street Address:	2130 MITCHELL BUILDING, 7999 REGENTS DR
City:	COLLEGE PARK
State/Country:	MARYLAND
Postal Code:	20742
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14570921
CORRESPONDENCE DATA	
Fax Number:	(301)314-9502
<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>	
Phone:	3014057753
Email:	patents@umd.edu, dwalker5@umd.edu
Correspondent Name:	DENISE WALKER
Address Line 1:	2130 MITCHELL BUILDING, 7999 REGENTS DR
Address Line 4:	COLLEGE PARK, MARYLAND 20742
ATTORNEY DOCKET NUMBER:	PS-2009-094
NAME OF SUBMITTER:	FELICIA METZ, REG. NO.: 57401
SIGNATURE:	/Felicia Metz/

DATE SIGNED:	11/02/2015
---------------------	------------

Total Attachments: 8

- source=PS-2009-094_PS-2014-081_CIP_Executed_Assignment_Rubloff#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Lee#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Perez#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Lecordier#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Banerjee#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed_Assignment_Chanyuan#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Chen#page1.tif
- source=PS-2009-094 PS-2014-081 CIP Executed Assignment - Gillette#page1.tif

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION

[If the assignment
is being filed
after the filing of the
application, this
section may be
omitted]

for which the following applications were filed:

*Filed on:	16 December 2014	Application	14/570,921
		Number(s)	
	(Day Month Year)		

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)


and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

	Gary W. ROBLOFF	3/25/15
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Sung Rok LEE	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Israel PEREZ	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Laurent LECORDIER	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Parag BANERJEE	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Chanyuan LI	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Xinyi CHEN	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Eleanor GILLETTE	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE'S
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest in the invention entitled

[Title of
Invention]

**NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION**

for which the following applications were filed:

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

*Filed on: 16 December 2014 Application Number(s) 14/570,921
(Day Month Year)

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

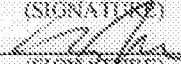
and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

(SIGNATURE)	Gary W. RUBLOFF	(DATE)
	(TYPE NAME)	3/25/2015
(SIGNATURE)	Sang Bok LEE	(DATE)
(SIGNATURE)	Israel PEREZ	(DATE)
(SIGNATURE)	Laurent LECORDIER	(DATE)
(SIGNATURE)	Parag BANERJEE	(DATE)
(SIGNATURE)	Chaoyuan LIU	(DATE)
(SIGNATURE)	Xinyi CHEN	(DATE)
(SIGNATURE)	Eleanor GILLETTE	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)

Docket No. 058501.09028

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of Invention]

NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE AND MANAGEMENT AND METHOD FOR THEIR FORMATION

for which the following applications were filed:

[*If the assignment is being filed after the filing of the application, this section must be completed]

*Filed on: 16 December 2014 Application Number(s) 14/570,921
(Day Month Year)

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

_____ (SIGNATURE)	Gary W. RUBLOFF (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Sang Bok LEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Israel PEREZ (TYPE NAME)	4/2/2015 (DATE)
_____ (SIGNATURE)	Laurent LECORDIER (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Parag BANERJEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Chanyuan LIU (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Xinyi CHEN (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Eleanor GILLETTE (TYPE NAME)	_____ (DATE)

05-7309-097

SQUIRE PATTON BOGGS (US) LLP

Docket No. 058501.09028

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

**NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION**

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

for which the following applications were filed:

***Filed on:** 16 December 2014 **Application** 14/570,921
Number(s)
(Day Month Year)

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)


and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

_____ (SIGNATURE)	Gary W. RUBLOFF _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Sang Bok LEE _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Israel PEREZ _____ (TYPE NAME)	_____ (DATE)
 _____ (SIGNATURE)	Laurent LECORDIER _____ (TYPE NAME)	10/29/2015 _____ (DATE)
_____ (SIGNATURE)	Parag BANERJEE _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Chanyuan LIU _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Xinyi CHEN _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Eleanor GILLETTE _____ (TYPE NAME)	_____ (DATE)

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of Invention]

NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE AND MANAGEMENT AND METHOD FOR THEIR FORMATION

for which the following applications were filed:

[*If the assignment is being filed after the filing of the application, this section must be completed]

*Filed on: 16 December 2014 Application Number(s) 14/570,921
(Day Month Year)

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

Signature lines for Gary W. RUBLOFF, Sang Bok LEE, Israel PEREZ, Laurent LECORDIER, Parag BANERJEE (dated 03/25/2015), Chanyuan LIU, Xinyi CHEN, and Eleanor GILLETTE.

Docket No. 058501.09028

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION

for which the following applications were filed:

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

*Filed on:	16 December 2014	Application	14/570,921
	(Day Month Year)	Number(s)	

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)


and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

_____ (SIGNATURE)	Gary W. RUBLOFF _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Sang Bok LEE _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Israel PEREZ _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Laurent LECORDIER _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Parag BANERJEE _____ (TYPE NAME)	_____ (DATE)
 _____ (SIGNATURE)	Chanyuan LIU _____ (TYPE NAME)	10/22/2015 _____ (DATE)
_____ (SIGNATURE)	Xinyi CHEN _____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Eleanor GILLETTE _____ (TYPE NAME)	_____ (DATE)

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION

for which the following applications were filed:

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

*Filed on: 16 December 2014 Application Number(s) 14/570,921
(Day Month Year)

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

_____ (SIGNATURE)	Gary W. RUBLOFF (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Sang Bok LEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Israel PEREZ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Laurent LECORDIER (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Parag BANERJEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Chanyuan LIU (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Xinyi CHEN (TYPE NAME)	03/24/15 (DATE)
_____ (SIGNATURE)	Eleanor GILLETTE (TYPE NAME)	_____ (DATE)

SQUIRE PATTON BOGGS (US) LLP

Docket No. 058501.09028

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR)

by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

University of Maryland
Office of Technology Commercialization
2130 Mitchell Building
College Park, Maryland 20742

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

**NANODEVICE ARRAYS FOR ELECTRICAL ENERGY STORAGE, CAPTURE
AND MANAGEMENT AND METHOD FOR THEIR FORMATION**

for which the following applications were filed:

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

*Filed on: 16 December 2014 Application Number(s) 14/570,921

(Squire Patton Boggs (US) LLP is hereby authorized to insert the series code, serial number and/or filing date herein, when known)

and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

_____ (SIGNATURE)	Gary W. RUBLOFF (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Sang Bok LEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Israel PEREZ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Laurent LECORDIER (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Parag BANERJEE (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Chanyuan LIU (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	Niyi CHEN (TYPE NAME)	_____ (DATE)
<i>Eleanor Gillette</i> (SIGNATURE)	Eleanor GILLETTE (TYPE NAME)	<i>03/30/2015</i> (DATE)

PATENT