

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3514572

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FEI WANG	07/23/2015
HOOMAN BOLANDI	07/30/2015
CONNIE P. WANG	07/23/2015
VICTOR PEBENITO	08/14/2015
MICHAEL C. KUTNEY	07/23/2015
ROBERT Z. BACHRACH	07/27/2015
RECEIVING PARTY DATA	
Name:	APPLIED MATERIALS, INC.
Street Address:	3050 BOWERS AVENUE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14773146
CORRESPONDENCE DATA	
Fax Number:	(713)623-4846
<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:	713-623-4844
Email:	PSDOCKETING@PATTERSONSHERIDAN.COM, SCOURTNEY@PATTERSONSHERIDAN.COM
Correspondent Name:	PATTERSON & SHERIDAN, LLP
Address Line 1:	24 GREENWAY PLAZA, SUITE 1600
Address Line 4:	HOUSTON, TEXAS 77046
ATTORNEY DOCKET NUMBER:	APPM/20486USP
NAME OF SUBMITTER:	SUZANNE COURTNEY
SIGNATURE:	/Suzanne Courtney/
DATE SIGNED:	09/04/2015

Total Attachments: 8

source=ASSIGNMENT#page1.tif

source=ASSIGNMENT#page2.tif

source=ASSIGNMENT#page3.tif

source=ASSIGNMENT#page4.tif

source=ASSIGNMENT#page5.tif

source=ASSIGNMENT#page6.tif

source=ASSIGNMENT#page7.tif

source=ASSIGNMENT#page8.tif

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses of Inventors:

1)	Fei C. WANG 847 Praderis Circle Fremont, California 94539	2)	Hosman BOLANDI 1375 Lick Avenue #1023 San Jose, California 95110
3)	Connie P. WANG 1365 Cuernavaca Circle Mountain View, California 94040	4)	Victor PEBENITO 507 Verano Court San Jose, California 95111
5)	Siqing LU 925 Hibiscus Lane San Jose, California 95117	6)	Michael C. KUTNEY 2970 Roma Court Santa Clara, California 95051
7)	Joseph G. GORDON 1327 Hillcrest Drive San Jose, California 95120	8)	Robert Z. BACHRACH 233 Chapin Lane Burlingame, California 94010

(hereinafter referred to as Assignors), have invented a certain invention entitled:

COMPLEX SHOWERHEAD COATING APPARATUS WITH ELECTROSPRAY FOR LITHIUM ION BATTERY

enclosed herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest

herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>7/23/15</u> (DATE)	<u>Fei Wang</u> Fei W. WANG
2)	<u>7/30/15</u> (DATE)	<u>H. Bolandi</u> Hooman BOLANDI
3)	<u>7/23/2015</u> (DATE)	<u>Connie P. Wang</u> Connie P. WANG
4)	_____ (DATE)	Victor FEBENITO
5)	_____ (DATE)	Siging LU
6)	_____ (DATE)	Michael C. KUTNEY
7)	_____ (DATE)	Joseph G. GORDON
8)	_____ (DATE)	Robert Z. BACHRACH

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Fei C. WANG 847 Praderis Circle Fremont, California 94539	2)	Hooman BOLANDI 1375 Lick Avenue #1023 San Jose, California 95110
3)	Connie P. WANG 1365 Cuernavaca Circle Mountain View, California 94040	4)	Victor PEBENITO 507 Varano Court San Jose, California 95111
5)	Siqing LU 925 Hibiscus Lane San Jose, California 95117	6)	Michael C. KUTNEY 2970 Roma Court Santa Clara, California 95051
7)	Joseph G. GORDON 1327 Hillcrest Drive San Jose, California 95120	8)	Robert Z. BACHRIACH 233 Chapin Lane Burlingame, California 94010

(hereinafter referred to as Assignors), have invented a certain invention entitled:

COMPLEX SHOWERHEAD COATING APPARATUS WITH ELECTROSPRAY FOR LITHIUM ION BATTERY

enclosed herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 2050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

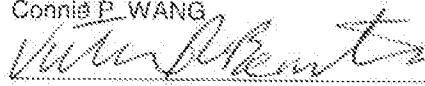
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest

herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____ (DATE)	_____
		Fei C. WANG
2)	_____ (DATE)	_____
		Hooman BOLANDI
3)	_____ (DATE)	_____
		Connie P. WANG
4)	08/14/15 (DATE)	
		Victor PEBENITO
5)	_____ (DATE)	_____
		Siqing LU
6)	_____ (DATE)	_____
		Michael C. KUTNEY
7)	_____ (DATE)	_____
		Joseph G. GORDON
8)	_____ (DATE)	_____
		Robert Z. BACHRACH

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Fei C. WANG 847 Praderis Circle Fremont, California 94539	2)	Hooman BOLANDI 1375 Lick Avenue #1023 San Jose, California 95110
3)	Connie P. WANG 1365 Cuernavaca Circulo Mountain View, California 94040	4)	Victor PEBENITO 507 Verano Court San Jose, California 95111
5)	Siqing LU 925 Hibiscus Lane San Jose, California 95117	6)	Michael C. KUTNEY 2970 Roma Court Santa Clara, California 95051
7)	Joseph G. GORDON 1327 Hillcrest Drive San Jose, California 95120	8)	Robert Z. BACHRACH 233 Chapin Lane Burlingame, California 94010

(hereinafter referred to as Assignors), have invented a certain invention entitled:

COMPLEX SHOWERHEAD COATING APPARATUS WITH ELECTROSPRAY FOR LITHIUM ION BATTERY

enclosed herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

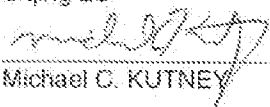
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest

herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____ (DATE)	_____
		Fei C. WANG
2)	_____ (DATE)	_____
		Hooman BOLANDI
3)	_____ (DATE)	_____
		Connie P. WANG
4)	_____ (DATE)	_____
		Victor PEBENITO
5)	_____ (DATE)	_____
		Siqing LU
6)	<u>07/23/13</u> (DATE)	
		Michael C. KUTNEY
7)	_____ (DATE)	_____
		Joseph G. GORDON
8)	_____ (DATE)	_____
		Robert Z. BACHRACH

ASSIGNMENT FOR APPLICATION FOR PATENT**WHEREAS:**

Names and Addresses of Inventors:

1)	Fei C. WANG 847 Praderis Circle Fremont, California 94539	2)	Hooman BOLANDI 1375 Lick Avenue #1023 San Jose, California 95110
3)	Connie P. WANG 1365 Cuernavaca Circle Mountain View, California 94040	4)	Victor PEBENITO 507 Verano Court San Jose, California 95111
5)	Siging LU 925 Hibiscus Lane San Jose, California 95117	6)	Michael C. KUTNEY 2970 Roma Court Santa Clara, California 95051
7)	Joseph G. GORDON 1327 Hillcrest Drive San Jose, California 95120	8)	Robert Z. BACHRACH 233 Chapin Lane Burlingame, California 94010

(hereinafter referred to as Assignors), have invented a certain invention entitled:

COMPLEX SHOWERHEAD COATING APPARATUS WITH ELECTROSPRAY FOR LITHIUM ION BATTERY

enclosed herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest

herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____ (DATE)	_____
		Fei C. WANG
2)	_____ (DATE)	_____
		Hooman BOLANDI
3)	_____ (DATE)	_____
		Connie P. WANG
4)	_____ (DATE)	_____
		Victor PEBENITO
5)	_____ (DATE)	_____
		Siqing LU
6)	_____ (DATE)	_____
		Michael C. KUTNEY
7)	_____ (DATE)	_____
		Joseph G. GORDON
8)	7/27/2015 (DATE)	<i>Robert Z. Bachrach</i>
		Robert Z. BACHRACH