

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2634649

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>JAMES MATTHEW HOLDEN</td> <td>11/20/2013</td> </tr> <tr> <td>SONG-MOON SUH</td> <td>11/20/2013</td> </tr> <tr> <td>TODD EGAN</td> <td>11/20/2013</td> </tr> <tr> <td>KALYANJIT GHOSH</td> <td>11/23/2013</td> </tr> <tr> <td>LEON VOLFOVSKI</td> <td>11/22/2013</td> </tr> <tr> <td>MICHAEL R. RICE</td> <td>11/22/2013</td> </tr> <tr> <td>RICHARD GILJUM</td> <td>11/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	JAMES MATTHEW HOLDEN	11/20/2013	SONG-MOON SUH	11/20/2013	TODD EGAN	11/20/2013	KALYANJIT GHOSH	11/23/2013	LEON VOLFOVSKI	11/22/2013	MICHAEL R. RICE	11/22/2013	RICHARD GILJUM	11/22/2013
Name	Execution Date																
JAMES MATTHEW HOLDEN	11/20/2013																
SONG-MOON SUH	11/20/2013																
TODD EGAN	11/20/2013																
KALYANJIT GHOSH	11/23/2013																
LEON VOLFOVSKI	11/22/2013																
MICHAEL R. RICE	11/22/2013																
RICHARD GILJUM	11/22/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Applied Materials, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3050 Bowers Avenue</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	Applied Materials, Inc.	Street Address:	3050 Bowers Avenue	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054						
Name:	Applied Materials, Inc.																
Street Address:	3050 Bowers Avenue																
City:	Santa Clara																
State/Country:	CALIFORNIA																
Postal Code:	95054																
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>13785903</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13785903												
Property Type	Number																
Application Number:	13785903																
CORRESPONDENCE DATA																	
Fax Number:	(732)935-7122																
Phone:	732-935-7100																
Email:	lzaveta@mtiplaw.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	MOSER TABOADA/ALAN TABOADA																
Address Line 1:	1030 BROAD STREET																
Address Line 2:	SUITE 203																
Address Line 4:	SHREWSBURY, NEW JERSEY 07702																
ATTORNEY DOCKET NUMBER:	17596/FEG/SYNX																
PATENT																	

NAME OF SUBMITTER:	ALAN TABOADA
Signature:	/Alan Taboada/
Date:	12/03/2013
Total Attachments: 2 source=APPM17596#page1.tif source=APPM17596#page2.tif	

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

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

- | | |
|---|--|
| 1) JAMES MATTHEW HOLDEN
5088 Golden Drive
San Jose, CA 95129 | 5) LEON VOLFOVSKI
560 Sea Spray Ct.
Pacifica, CA 94044 |
| 2) SONG-MOON SUH
1780 Albert Ave
San Jose, CA 95124 | 6) MICHAEL R. RICE
1025 Via Di Salerno
Pleasanton, CA 94566 |
| 3) TODD EGAN
145 Hillview Drive
Fremont CA 94536 | 7) RICHARD GILJUM
2855 Crystal Lane
Brentwood, CA 94513 |
| 4) KALYANJIT GHOSH
373 River Oaks Cir, #1603,
San Jose, CA 95134 | |

METHODS AND APPARATUS FOR SUBSTRATE EDGE CLEANING

for which we have filed an application for a Patent of the United States on March 5, 2013 , Serial No. 13/785,903; 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 Assignor, 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 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,

323485_1

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, 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 therefor 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.

11/20/13 (DATE)



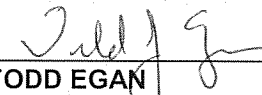
JAMES MATTHEW HOLDEN

11/20/13 (DATE)



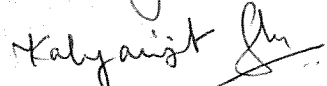
SONG-MOON SUH

11/20/13 (DATE)



TODD EGAN

11/23/13 (DATE)



KALYANJIT GHOSH

11.22.2013 (DATE)



LEON VOLFOVSKI

11/22/2013 (DATE)



MICHAEL R. RICE

11/22/13 (DATE)



RICHARD GILJUM