

PATENT ASSIGNMENT COVER SHEET

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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>CARA BEASLEY</td> <td>01/16/2014</td> </tr> <tr> <td>RALF HOFMANN</td> <td>01/16/2014</td> </tr> <tr> <td>MAJEED FOAD</td> <td>01/13/2014</td> </tr> <tr> <td>TIMOTHY MICHAELSON</td> <td>02/11/2014</td> </tr> </tbody> </table>		Name	Execution Date	CARA BEASLEY	01/16/2014	RALF HOFMANN	01/16/2014	MAJEED FOAD	01/13/2014	TIMOTHY MICHAELSON	02/11/2014
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RECEIVING PARTY DATA											
Name:	APPLIED MATERIALS, INC.										
Street Address:	3050 BOWERS AVENUE										
City:	SANTA CLARA										
State/Country:	CALIFORNIA										
Postal Code:	95054										
PROPERTY NUMBERS Total: 2											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14139307</td> </tr> <tr> <td>Application Number:</td> <td>61778335</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14139307	Application Number:	61778335				
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Application Number:	14139307										
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CORRESPONDENCE DATA											
Fax Number:	(408)738-0881										
Phone:	408-738-0592										
Email:	efiling@ishimarulaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	MIKIO ISHIMARU										
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Address Line 4:	SAN JOSE, CALIFORNIA 95110										
ATTORNEY DOCKET NUMBER:	602-004										
NAME OF SUBMITTER:	MIKIO ISHIMARU										

PATENT

Signature:	/Mikio Ishimaru/
Date:	02/18/2014
Total Attachments: 2 source=017964USAATGATGESONG_Assignment#page1.tif source=017964USAATGATGESONG_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, the undersigned (hereinafter termed Assignor(s)) has/have invented certain new and useful improvements in

PLANARIZED EXTREME ULTRAVIOLET LITHOGRAPHY BLANK, AND MANUFACTURING AND LITHOGRAPHY SYSTEMS THEREFOR

for which a United States patent application has been executed on or before the date of this assignment;

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 termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignor(s) from said Assignee(s), the receipt of which is hereby acknowledged by said Assignor(s):

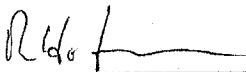
1. Said Assignor(s) does hereby sell, assign, transfer and convey unto said Assignee(s), the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignor(s); and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
2. Said Assignor(s) hereby covenants and agrees to cooperate with said Assignee(s) where said Assignee(s) may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee(s)) which are deemed necessary or desirable by Assignee(s) for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignor(s) in lending such assistance and cooperation shall be paid by the Assignee(s).
3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee(s), its successors, assigns and/or other legal representatives and shall be binding upon said Assignor(s), his/her heirs, legal representatives and assigns.
4. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.

5. Said Assignor(s) hereby authorizes and requests the attorney(s) of record in this application to insert the serial number and filing date of this Non Provisional application and that of the Provisional application from which it claims priority in the spaces that follow:

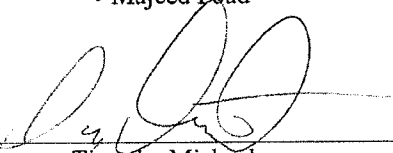
Serial Number: 61/778,335 Filing Date: March 12, 2013

Serial Number: 14/139,307 Filing Date: December 23, 2013

Signature:  Date: 1/16/2014
Cara Beasley

Signature:  Date: 1/16/2014
Ralf Hofmann

Signature:  Date: 1/13/2014
Majeed Eoad

Signature:  Date: 2/11/14
Timothy Michaelson