

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nitin Ingle</td> <td>06/16/2010</td> </tr> <tr> <td>Abhijit Basu Mallick</td> <td>06/16/2010</td> </tr> <tr> <td>Earl Osman Solis</td> <td>06/16/2010</td> </tr> <tr> <td>Nicolay Kovarsky</td> <td>06/17/2010</td> </tr> <tr> <td>Olga Lyubimova</td> <td>06/16/2010</td> </tr> </tbody> </table>		Name	Execution Date	Nitin Ingle	06/16/2010	Abhijit Basu Mallick	06/16/2010	Earl Osman Solis	06/16/2010	Nicolay Kovarsky	06/17/2010	Olga Lyubimova	06/16/2010
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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		
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CORRESPONDENCE DATA													
Fax Number: (415)576-0300 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 303-571-4000 Email: gbernard@townsend.com Correspondent Name: Eugene J. Bernard Address Line 1: Townsend and Townsend and Crew LLP Address Line 2: Two Embarcadero Center - 8th Floor Address Line 4: San Francisco, CALIFORNIA 94111													
ATTORNEY DOCKET NUMBER:	016301-096910US												
NAME OF SUBMITTER:	Eugene J. Bernard												

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PATENT
REEL: 024692 FRAME: 0287

Total Attachments: 6

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Nitin Ingle 1435 Graywood Drive San Jose, CA 95129 United States	2)	Abhijit Basu Mallick 2637 Alma Street Palo Alto, CA 94306 United States
3)	Earl Osman Solis 754 The Alameda #4308 San Jose, CA 95126 United States	4)	Nicolay Kovarsky 180 Locksunt Way #13 Sunnyvale, CA 94087 United States
5)	Oiga Lyubimova 11313 95 St NW Edmonton T5B3X6 Canada	6)	

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

OXYGEN-DOPING FOR NON-CARBON RADICAL-COMPONENT CVD FILMS

for which application for Letters Patent in the United States is filed 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 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, 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.

1) <u><i>M. Ingle</i></u>	2010	<u>6/16/2010</u>	<u><i>M. Ingle</i></u>
2) <u>6/16/2010</u>	2010		<u><i>Abhijit Basu Mallick</i></u>
3) <u>16-JUN-2010</u>	2010		<u><i>Earl Osman Solis</i></u>
4) _____	2010		<u>Nicolay Kovarsky</u>
5) _____	2010		<u>Oiga Lyubimova</u>

62719804 v1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Nitiri Ingle 1425 Graywood Drive San Jose, CA 95129 United States	2)	Abhijit Basu Mallick 2637 Alma Street Palo Alto, CA 94306 United States
3)	Earl Osman Solis 754 The Alameda #4308 San Jose, CA 95126 United States	4)	Nicolay Kovarsky 180 Locksunt Way #13 Sunnyvale, CA 94087 United States
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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.

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1) _____, 2010	_____
	Nitin Ingle
2) _____, 2010	_____
	Abhijit Basu Mallick
3) _____, 2010	_____
	Earl Osman Solis
4) <u>17 June</u> , 2010	<u>Nicolay Kovarsky</u>
	Nicolay Kovarsky
5) _____, 2010	_____
	Oiga Lyubimova

62719604 v1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Nitin Ingle 1435 Graywood Drive San Jose, CA 95129 United States	2)	Abhijit Basu Mallick 2637 Alma Street Palo Alto, CA 94306 United States
3)	Earl Osman Sois 754 The Alameda #4308 San Jose, CA 95126 United States	4)	Nicolay Kovarsky 180 Locksunt Way #13 Sunnyvale, CA 94087 United States
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	Nitin Ingle
2) _____, 2010	_____
	Abhijit Basu Mallick
3) _____, 2010	_____
	Earl Osman Solis
4) _____, 2010	_____
	Nicolay Kovarsky
5) <i>June 16th</i> _____, 2010	_____
	Olga Lyubimova

62719604 v1