

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>Dean C. Jennings</td> <td>04/13/2010</td> </tr> <tr> <td>Timothy N. Thomas</td> <td>04/16/2010</td> </tr> <tr> <td>Samuel C. Howells</td> <td>04/15/2010</td> </tr> <tr> <td>Bruce E. Adams</td> <td>04/12/2010</td> </tr> <tr> <td>Jiping Li</td> <td>04/14/2010</td> </tr> </tbody> </table>		Name	Execution Date	Dean C. Jennings	04/13/2010	Timothy N. Thomas	04/16/2010	Samuel C. Howells	04/15/2010	Bruce E. Adams	04/12/2010	Jiping Li	04/14/2010
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<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>P.O. Box 450A</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>95052</td> </tr> </table>		Name:	Applied Materials, Inc.	Street Address:	P.O. Box 450A	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95052		
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CORRESPONDENCE DATA													
<p>Fax Number: (650)326-2422</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 650-326-2400</p> <p>Email: gjsikora@townsend.com</p> <p>Correspondent Name: JDC / TOWNSEND AND TOWNSEND AND CREW LLP</p> <p>Address Line 1: TWO EMBARCADERO CENTER</p> <p>Address Line 2: EIGHTH FLOOR</p> <p>Address Line 4: SAN FRANCISCO, CALIFORNIA 94111-3834</p>													
ATTORNEY DOCKET NUMBER:	A11730/T89910												
NAME OF SUBMITTER:	Jesus Del Castillo												

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PATENT
REEL: 024249 FRAME: 0303

Total Attachments: 6

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	Dean C. Jennings 6 Thoreau Circle Beverly, MA 01915 United States	2)	Timothy N. Thomas 11555 NW Vallevue Ct. Portland, OR 97229 United States
3)	Samuel C. Howells 3327 SE 43rd Portland, OR 97206 United States	4)	Bruce E. Adams 3411 SW 13th Ave. Portland, OR 97239 United States
5)	Jiping Li 3510 Middlefield Rd. Palo Alto, CA 94306 United States	6)	

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

MULTI-STAGE OPTICAL HOMOGENIZATION

for which application for Letters Patent in the United States was filed on _____, under
Application No. _____, executed on even date 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>13 April</u> , 2010	 _____ Dean C. Jennings
2) _____, 2010	_____ Timothy N. Thomas
3) _____, 2010	_____ Samuel C. Howells
4) _____, 2010	_____ Bruce E. Adams
5) _____, 2010	_____ Jiping Li

62561261 v1

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.

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

1) _____, 2010

Dean C. Jennings

2) April 16, 2010

Timothy N. Thomas

3) _____, 2010

Samuel C. Howells

4) _____, 2010

Bruce E. Adams

5) _____, 2010

Jiping Li

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1) _____, 2010	_____ Dean C. Jennings
2) _____, 2010	_____ Timothy N. Thomas
3) <u>April 15</u> , 2010	<u>Samuel C. Howells</u> Samuel C. Howells
4) _____, 2010	_____ Bruce E. Adams
5) _____, 2010	_____ Jiping Li

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1) _____, 2010	_____
	Dean C. Jennings
2) _____, 2010	_____
	Timothy N. Thomas
3) _____, 2010	_____
	Samuel C. Howells
4) <u>4/12</u> , 2010	_____
	Bruce E. Adams
5) _____, 2010	_____
	Jiping Li

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1) _____, 2010	_____ Dean C. Jennings
2) _____, 2010	_____ Timothy N. Thomas
3) _____, 2010	_____ Samuel C. Howells
4) _____, 2010	_____ Bruce E. Adams
5) <u>April 14</u> , 2010	<u>Jiping Li</u> Jiping Li

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