

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3160233

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DEAN JENNINGS	11/15/2014
	HAIFAN LIANG	11/16/2014
	MARK YAM	11/13/2014
	VIJAY PARIHAR	11/07/2014
	ABHILASH J. MAYUR	11/09/2014
	AARON MUIR HUNTER	11/18/2014
	BRUCE E. ADAMS	11/07/2014
	JOSEPH M. RANISH	11/07/2014
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:	14533997	
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:	kneil@pattersonsheridan.com, PSDocketing@pattersonsheridan.com	
Correspondent Name:	PATTERSON & SHERIDAN, LLP - - APPLIED MA	
Address Line 1:	24 GREENWAY PLAZA, SUITE 1600	
Address Line 4:	HOUSTON, TEXAS 77046	
ATTORNEY DOCKET NUMBER:	APPM/9193USC6	
NAME OF SUBMITTER:	JOSEPH J. STEVENS	
SIGNATURE:	/Joseph J. Stevens/	
DATE SIGNED:	12/23/2014	

PATENT

Total Attachments: 14

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Dean JENNINGS 6 Thoreau Circle Beverly, Massachusetts 01915	2)	Haifan LIANG 1130 3rd Avenue #210 Oakland, California 94606
3)	Mark YAM 17608 Vineland Avenue Monte Sereno, California 95030	4)	Vijay PARIHAR 41521 Joyce Avenue Fremont, California 94539
5)	Abhilash J. MAYUR 17651 Olsen Place Salinas, California 93907	6)	Aaron Muir HUNTER 609 National Street Santa Cruz, California 95060
7)	Bruce E. ADAMS 3411 Southwest 13th Avenue Portland, Oregon 97239	8)	Joseph M. RANISH 3751 Woodleaf Court San Jose, California 95117

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

ANNEALING APPARATUS USING TWO WAVELENGTHS OF RADIATION

for which application for Letters Patent in the United States was filed on November 5, 2014, under Serial No. 14/533,997, 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 conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

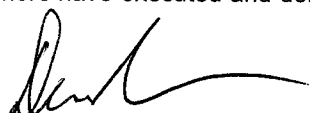
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt 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>15 Nov 14</u> (DATE)	 Dean JENNINGS
2)	_____ (DATE)	Haifan LIANG
3)	_____ (DATE)	Mark YAM
4)	_____ (DATE)	Vijay PARIHAR
5)	_____ (DATE)	Abhilash J. MAYUR
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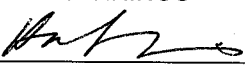
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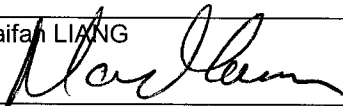
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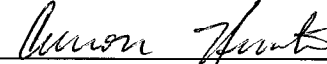
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Names and Addresses of Inventors:

1)	Dean JENNINGS 6 Thoreau Circle Beverly, Massachusetts 01915	2)	Haifan LIANG 1130 3rd Avenue #210 Oakland, California 94606
3)	Mark YAM 17608 Vineland Avenue Monte Sereno, California 95030	4)	Vijay PARIHAR 41521 Joyce Avenue Fremont, California 94539
5)	Abhilash J. MAYUR 17651 Olsen Place Salinas, California 93907	6)	Aaron Muir HUNTER 609 National Street Santa Cruz, California 95060
7)	Bruce E. ADAMS 3411 Southwest 13th Avenue Portland, Oregon 97239	8)	Joseph M. RANISH 3751 Woodleaf Court San Jose, California 95117

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

ANNEALING APPARATUS USING TWO WAVELENGTHS OF RADIATION

for which application for Letters Patent in the United States was filed on November 5, 2014, under Serial No. 14/533,997, 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 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)	_____ Dean JENNINGS
2)	_____ (DATE)	_____ Haifan LIANG
3)	_____ (DATE)	_____ Mark YAM
4)	_____ (DATE)	_____ Vijay PARIHAR
5)	_____ (DATE)	_____ Abhilash J. MAYUR
6)	_____ (DATE)	_____ Aaron Muir HUNTER
7)	<u>Nov 7, 2014</u> (DATE)	 Bruce E. ADAMS
8)	_____ (DATE)	_____ Joseph M. RANISH