# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

### **CONVEYING PARTY DATA**

Name	Execution Date
Saravjeet Singh	07/15/2011
Brad Eaton	07/20/2011
Ajay Kumar	07/15/2011
Wei-Sheng Lei	07/15/2011
James M. Holden	08/10/2011
Madhava Rao Yalamanchili	07/15/2011
Todd J. Egan	07/13/2011

## **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:	13161052	

# **CORRESPONDENCE DATA**

**Fax Number**: (503)439-6073

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (503) 439-8778
Email: gigi\_hoover@bstz.com

Correspondent Name: Justin K. Brask

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Address Line 4: Sunnyvale, CALIFORNIA 94085-4040

ATTORNEY DOCKET NUMBER: 016421/ETCH/MASK-ETCH/MDD

PATENT

REEL: 026801 FRAME: 0433

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NAME OF SUBMITTER:	Justin K. Brask
Total Attachments: 6 source=016421ETCHMASKETCHMDD_Ass source=016421ETCHMASKETCHMDD_Ass source=016421ETCHMASKETCHMDD_Ass source=016421ETCHMASKETCHMDD_Ass source=016421ETCHMASKETCHMDD_Ass source=016421ETCHMASKETCHMDD_Ass	signment_082411#page2.tif signment_082411#page3.tif signment_082411#page4.tif signment_082411#page5.tif

PATENT REEL: 026801 FRAME: 0434

### ASSIGNMENT FOR APPLICATION FOR PATENT

#### WHEREAS:

### Names and Addresses of Inventors:

1)	Saravjeet Singh	2)	Brad Eaton
	1000 Kiely Blvd #74		563 8th Avenue
	Santa Clara, CA 95051		Menlo Park, CA 94025
3)	Ajay Kumar	4)	Wei-Sheng Lei
	10457 Manzanita Court		1786 Duvall Drive
	Cupertino, CA 95014		San Jose, CA 95130
5)	James M. Holden	6)	Madhava Rao Yalamanchili
	5088 Golden Drive		1660 Avenida de Los Padres
	San Jose, CA 95129		Morgan Hill, CA 95037
7)	Todd J. Egan		
	145 Hillview Drive		
	Fremont, CA 94536	]	

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

# HYBRID LASER AND PLASMA ETCH WAFER DICING USING SUBSTRATE CARRIER

for which application for Letters Patent in the United States was filed on June 15, 2011, under Serial No. 13/161,052, 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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)	07/15/11 Date	Saravjeet Singh
2)	7/20/20(1	Brad Eaton
3)	07/15/1/ Date	Ajay Kamar
4)	7-15-2011 Date	Wei-Sheng Lei
5)	Date	James M. Holden
6)	7-15-2011 Date	Lew Yalamanchili  Madhava Rao Yalamanchili
7)	Date	Todd J. Egan

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- (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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1)	Date	Saravjeet Singh
2)		
ŕ	Date	Brad Eaton
3)	Date	Ajay Kumar
4)	Date	Wei-Sheng Lei
5)	August 10, 2011	James M. Holden
6)	Date	Madhava Rao Yalamanchili
7)	 Date	Todd J. Egan

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-1-

- (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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7)	07 15   II	Todd J. Egan