502838998 06/05/2014

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

## **CONVEYING PARTY DATA**

Name	Execution Date
SANG HYUK KIM	04/17/2013
DONGQING YANG	04/01/2013
YOUNG S. LEE	04/01/2013
WEON YOUNG JUNG	11/13/2013
SANG-JIN KIM	04/08/2013
CHING-MEI HSU	04/01/2013
ANCHUAN WANG	04/01/2013
NITIN K. INGLE	04/01/2013

# **RECEIVING PARTY DATA**

Name:	lame: 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:	13839948		

## **CORRESPONDENCE DATA**

**Fax Number:** (303)571-4321

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.

**Phone:** 303-571-4000

**Email:** AJOSEPH@kilpatricktownsend.com

Correspondent Name: EUGENE J. BERNARD

Address Line 1: KILPATRICK TOWNSEND & STOCKTON LLP
Address Line 2: TWO EMBARCADERO CENTER - 8TH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER:	A17384/T110310	
NAME OF SUBMITTER:	EUGENE J. BERNARD	
SIGNATURE:	/Eugene J. Bernard/	

502838998 REEL: 033036 FRAME: 0987

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DATE SIGNED:	06/05/2014
Total Attachments: 3	
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PATENT REEL: 033036 FRAME: 0988

Attorney Docket No.: A17384/T110310 AMAT No.: 017384/USA/DSM/SICONI/DP KTS No.: 80042-869211 (110310US)

#### ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of inventors:

1)	Sang Hyuk Kim 5th FI., Hyundai Park Bidg. 687-2 Ami-ri, Bubal-eub, Icheon, Gyeonggi, 467-860, Korea	2)	Dongqing Yang 185 Estancia Dr., #337 San Jose, CA 95134
3)	Young S. Lee 1714 Via Cortina San Jose, California 95120	4)	Weon Young Jung 5th Fl., Hyundai Park Bidg, 687-2 Ami-ri, Bubal-eub, Icheon, Gyeonggi, 467-860, Korea
5)	Sang-jin Kim 5th Fl., Hyundai Park Bldg. 687-2 Ami-ri, Bubal-eub, Icheon, Gyeonggi, 467-860, Korea	6)	Ching-Mei Hsu 25 Olmsted Rd. #105 Stanford, CA 94305
7)	Anchuan Wang 6556 Bollinger Road San Jose, CA 95129	8)	Nitin K. Ingle 1435 Graywood Drive San Jose, CA 95129

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

#### DRY-ETCH FOR SELECTIVE OXIDATION REMOVAL

for which application for Letters Patent in the United States was filed on March 15, 2013, under Application No. 13/839,948, 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:

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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**PATENT** REEL: 033036 FRAME: 0989

- 2. Said Assignors hereby coverant 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 filling and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filling 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)	04/17/2013_20	113	
	ere		Sang Hyuk Kigh
2)	04/0//2013 .20	113	
	X1,13.12		Dongqing Yang
3)	4/1/2013 20	)13	
			Young S. Lee
4)	2(	13	Weon Young Jung
5)	4/8/13 20	)13	- Thu
6)	<u>4/1</u> ,20	13	Sang-jin Kim  J. W. W.  Ching-Mei Hsu
7):	<u>W1</u> 20	)13	Anothuan Warig
8)	4/1 20	)13	1/9/6
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- 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, caths, 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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1)		, 2013	
, ,,,,,		****	Sang Hyuk Kim
2)		. 2013	
, ~~			Dongqing Yang
3)		, 2013	
,		***************************************	Young S. Lee
4)	Doy 13	. 2013	Apreon
,			Weon Young Jung
5)		. 2013	
ζ			Sang-jin Kim
6)		. 2013	
			Ching-Mei Hsu
7)		2013	
9 1000			Anchuan Wang
8)		. 2013	
	***************************************		Nitin K. Ingle

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