PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hua Chung	04/29/2011
Xizi Dong	04/29/2011
Kyawwin Jason Maung	05/02/2011
Hiroji Hanawa	05/02/2011
Sang Won Kang	05/04/2011
David H. Quach	05/02/2011
Donald J.K. Olgado	05/02/2011
David Bour	05/08/2011
Wei-Yung Hsu	05/03/2011
Alexander Tam	04/29/2011
Anzhong Chang	05/03/2011
Sumedh Acharya	05/10/2011

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:	13041230

CORRESPONDENCE DATA

Fax Number: (713)623-4846

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

Phone: 7136234844

Email: mcorona@pattersonsheridan.com

PATENT

OP \$40 00 13041

501648044 REEL: 026856 FRAME: 0386

Correspondent Name: Patterson & Sheridan, L.L.P. Address Line 1: 3040 Post Oak Blvd, Suite 1500 Address Line 4: Houston, TEXAS 77056 ATTORNEY DOCKET NUMBER: 015284/USA/AEP/NEON/PARAN NAME OF SUBMITTER: Keith M. Tackett **Total Attachments: 15** source=015284_ASG#page1.tif source=015284_ASG#page2.tif source=015284_ASG#page3.tif source=015284_ASG#page4.tif source=015284_ASG#page5.tif source=015284_ASG#page6.tif source=015284_ASG#page7.tif source=015284_ASG#page8.tif source=015284 ASG#page9.tif source=015284_ASG#page10.tif source=015284_ASG#page11.tif source=015284_ASG#page12.tif source=015284_ASG#page13.tif source=015284_ASG#page14.tif

source=015284_ASG#page15.tif

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Hua Chung 4645 Piper Drive San Jose, California 95129	2)	Xizi Dong 4440 Bassett Street, Apt. 5 Santa Clara, California 95054
3)	Kyawwin Jason Maung 1370 Southgate Avenue Daly City, California 94015	4)	Hiroji Hanawa 696 Spruce Drive Sunnyvale, California 94086
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11)	Anzhong Chang 5851 Killarney Circle San Jose, California 95138	12)	Sumedh Acharya 6, Neelkanth Hsg Soc, Tulshibaugwale Colony, Sahakarnagar-2, Pune-411009 INDIA

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

METHOD AND APPARATUS FOR INDUCING TURBULENT FLOW OF A PROCESSING CHAMBER CLEANING GAS

for which application for Letters Patent in the United States was filed on March 4, 2011, under Serial No. 13/041,230, 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 (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.

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- 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.
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		David Bour
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Atty Dkt No.:	015284/AEF	P/NEON/ESONG
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10)	(DATE)		
	······································	Alexander Tam	
11)	(DATE)		
	1.8	Anzhong Chang	
12)	10 May 11 (DATE)	Anzhong Chang SDAcholfg	
	/	Sumedh Acharva	* * * * * * * * * * * * * * * * * * * *

ASSIGNMENT FOR APPLICATION FOR PATENT

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		Xizi Dong
3)	(DATE)	Kyawwin Jason Maung
4)	(T) 4 THE	Nyawwiii dason Maung
4)	(DATE)	Hiroji Hanawa
5)	(DATE)	,
٥)	(DATE)	Sang Won Kang
6)	(DATE)	
		David H. Quach
7)	(DATE)	
		Ponald J.K. Olgado
8)	08 May 2011 (DATE)	Harl Bon
	1	David Bour
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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)	4/>P// _(DATE)	(bu
2)	<u>4/29/11</u> (DATE)	Hua Chung
3)	5/2 (11 (DATE)	Xizi Dangy My
4)	5-2-11 (DATE)	Kyawwin Jakon Maung W
5)	<u>5/4/11</u> (DATE)	Hiroji Hanawa
6)	(DATE)	Sang Won Kang
7)	$\frac{5/2}{I}$ (DATE)	David H. Quach Moralel In Olyndo
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9)	<u> </u>	David Bour Wei-Yung Hsu

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