PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3761497

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
SATORU KOBAYASHI	01/05/2016
HIDEO SUGAI	01/25/2016
SOONAM PARK	01/05/2016
KARTIK RAMASWAMY	01/04/2016
DMITRY LUBOMIRSKY	01/05/2016

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:	14974376

CORRESPONDENCE DATA

Fax Number: (805)644-8046

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: 805-644-4035

Email: wallace-patents@sbcglobal.net

Correspondent Name: ROBERT M. WALLACE

Address Line 1: 2112 EASTMAN AVENUE, SUITE 102
Address Line 2: LAW OFFICE OF ROBERT M. WALLACE

Address Line 4: VENTURA, CALIFORNIA 93003

NAME OF SUBMITTER:ROBERT M. WALLACESIGNATURE:/robert wallace/DATE SIGNED:02/29/2016	ATTORNEY DOCKET NUMBER:	022748USA	
Note: Name of	NAME OF SUBMITTER:	ROBERT M. WALLACE	
DATE SIGNED: 02/29/2016	SIGNATURE:	/robert wallace/	
	DATE SIGNED:	02/29/2016	

Total Attachments: 6

PATENT REEL: 037855 FRAME: 0630

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PATENT REEL: 037855 FRAME: 0631

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses

of Inventors:

1)	SATORU KOBAYASHI 3482 VICTORIA AVENUE SANTA CLARA, CA 95051	2)	HIDEO SUGAI 2-4-6 NAKASHIN-CHO KASUGAI, A'ICHI 486-0956
3)	SOONAM PARK 181 DEL MEDIO AVENUE #313 MOUNTAIN VIEW, CA 94040	4)	JAPAN KARTIK RAMASWAMY 10020 VIEWPOINT LANE SAN JOSE, CA 95120
5)	DMITRY LUBOMIRSKY 862 BETTE AVENUE CUPERTUINO, CA 95014		

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

"PLASMA REACTOR HAVING DIGITAL CONTROL OVER ROTATION FREQUENCY OF A MICROWAVE FIELD WITH DIRECT UP-CONVERSION"

for which application for Letters Patent in the United States was filed on. December 18, 2015, Serial No.: 14/974,376; 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

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PATENT REEL: 037855 FRAME: 0632 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)	1/5, 20/6	Saturn Kubuyah
		Satoru Kobayashi
2)	, 20	Hideo Sugai
3)	1/5 , 20 16	Soonam Park
4)	. 20	
·		Kartik Ramaswamy
5)		Dmitry Lubomirsky

ASSIGNMENT FOR APPLICATION FOR PATENT

WHE	EREAS:			
	es and Addresses entors:			ł
1)	SATORU KOBAYASHI	2)	HIDEO SUGAI	
	3482 VICTORIA AVENUE		2-4-6 NAKASHIN-CHO	I
	SANTA CLARA, CA 95051		KASUGAI, A'ICHI	İ
		i	486-0956	
i			JAPAN	i
3)	SOONAM PARK	4)	KARTIK RAMASWAMY	
	181 DEL MEDIO AVENUE #313		10020 VIEWPOINT LANE	
	MOUNTAIN VIEW, CA 94040		SAN JOSE, CA 95120	
5)	DMITRY LUBOMIRSKY	1		
	862 BETTE AVENUE			
	CUPERTUINO, CA 95014			

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1)	, 20	Satoru Kobayashi
2)	January 25, 20 16	Mideo Sugas Hideo Sugai
3)	, 20	Soonam Park
4)	, 20	Kartik Ramaswamy
5)	, 2015	Dmitry Lubomirsky

ASSIGNMENT FOR APPLICATION FOR PATENT

WHE	REAS:			
	s and Addresses entors:			•
1)	SATORU KOBAYASHI	2)	HIDEO SUGAI	
	3482 VICTORIA AVENUE		2-4-6 NAKASHIN-CHO	
	SANTA CLARA, CA 95051		KASUGAI, A'ICHI	
			486-0956	·
			JAPAN	
3)	SOONAM PARK	4)	KARTIK RAMASWAMY	
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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

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1)		, 20	Satoru Kobayashi
2)			Hideo Sugai
3)		, 20	Soonam Park
4)	Jun 4	_, 20 <u> [6</u>	Kntik Rumahin
5)		2015	Dmitry Lubomirsky