PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID BENJAMINSON	08/19/2015
DMITRY LUBOMIRSKY	08/20/2015
ANANDA SEELAVANTH MATH	08/24/2015
SARAVANAKUMAR NATARAJAN	08/24/2015
CHOUREY SHUBHAM	08/24/2015

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:	16834109

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: cwsimmons@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/AMAT

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

Total Attachments, C	
DATE SIGNED:	03/30/2020
SIGNATURE:	/Chelsea Simmons/
NAME OF SUBMITTER:	CHELSEA SIMMONS
ATTORNEY DOCKET NUMBER:	80042-23056US2CON-1174581

Total Attachments: 6

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KTS No.: 80042-023056USA-949499

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	David Benjaminson 121 Saratoga Ave. Apt. 4315 Santa Clara, CA 95051	2)	Dmitry Lubomirsky 862 Bette Avenue Cupertino. CA 95014
3)	Ananda Seelavanth Math Flat#203, Pyramid Greenwoods Apartment Shabarinagara, Byatrayanapura Bangalore, Karnataka, 560092 India	4)	Saravanakumar Natarajan O NO 3/49, New No 3/46, Singanallur Akilandapuram Post, Pollachi Taluk Colmbatore, Tamil Nadu, 642004 India
5)	Chourey Shubham 628/8 Nanda Nagar Opposite ST. Joseph Church Indore, Madhya Pradesh, 452011 India		

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

BOLTED WAFER CHUCK THERMAL MANAGEMENT SYSTEMS AND METHODS FOR WAFER PROCESSING SYSTEMS

for which application for Letters Patent in the United States was filed on August 6, 2015, under Application No. 14/820,422, executed on even date herewith; and

WHEREAS, Applied Materiais, 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 filled and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filled 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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- 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)	, 2015	
		David Benjaminson
2)	2015	
	દ	Dmiltry Lubomirsky
3)	24 Magust 2015	Les S. M.
		Ananda Seelavanth Math
4)	24th August 2015	1 for own kind
	12	Saravanakumar Natarajan
5)	24th August 2015	<u> Expuray</u>
		Chourey Shubham

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ASSIGNMENT FOR APPLICATION FOR PATENT

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Names and Addresses of Inventors:

-	11	Shubham Chourey	1	
	''	628/8 Nanda Nagar		
		Opposite ST. Joseph Church		
		Indore, Madhya Pradesh, 452011 India		

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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.

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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, 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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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	September	16	, 2015	@korsen-
				Shubham Chourey

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1)	8/19.2015	Dey/d Benjaminson
2)		Dmitry Lubomirsky
3)	, 2015	Ananda Seelavanth Math
4)	, 2015	Saravanakumar Natarajan
5)	, 2015	Chourey Shubbam

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