

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6231238

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KADTHALA R. NARENDRNATH	07/08/2015
GOVINDA RAJ	07/14/2015
GOICHI YOSHIDOME	07/06/2015
BOPANNA ICHETTIRA VASANTHA	07/14/2015
UMESH M. KELKAR	07/21/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Applied Materials, Inc.
<b>Street Address:</b>	3050 Bowers Avenue
<b>City:</b>	Santa Clara
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16945510
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)935-7122
<i>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.</i>	
<b>Phone:</b>	732-935-7100
<b>Email:</b>	lzaveta@mtiplaw.com
<b>Correspondent Name:</b>	MOSER TABOADA/ALAN TABOADA
<b>Address Line 1:</b>	1030 BROAD STREET
<b>Address Line 2:</b>	SUITE 203
<b>Address Line 4:</b>	SHREWSBURY, NEW JERSEY 07702
<b>ATTORNEY DOCKET NUMBER:</b>	APPM22451C1
<b>NAME OF SUBMITTER:</b>	ALAN TABOADA
<b>SIGNATURE:</b>	/ALAN TABOADA/
<b>DATE SIGNED:</b>	08/03/2020
<b>Total Attachments: 4</b>	

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**PATENT**

**REEL: 053381 FRAME: 0594**

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

1)	Kadthala R. NARENDRNATH 3686 Slopeview Drive San Jose, California 95148	2)	Govinda RAJ S 204, Maruth Apartment 1st B Main, Kavery Layout, Vijaynagar Bangalore-560040 INDIA
3)	Goichi YOSHIDOME <del>1500 Park Avenue, #119</del> <del>Emeryville, California 94608</del> 915 ADAMS ST., APT C ALBANY, CA 94706	4)	Bopanna Ichettira VASANTHA #15, 3rd Cross 4th Block, Kumara Park West Bangalore-560020 INDIA
5)	Umesh M. KELKAR 957 Pomeroy Avenue Santa Clara, California 95051	6)	

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

**3D PRINTED CHAMBER COMPONENTS CONFIGURED FOR LOWER FILM STRESS AND  
LOWER OPERATING TEMPERATURE**

for which application for Letters Patent in the United States was filed on June 24, 2015, under  
Serial No. 62/184,114, 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:

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 conventional, 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, 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.

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.

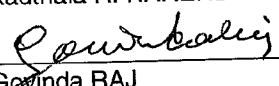
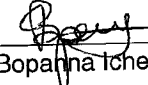
1)	<u>7.8.15</u> (DATE)	 Kadthala R. NARENDRNATH
2)	_____ (DATE)	Govinda RAJ
3)	_____ (DATE)	Goichi YOSHIDOME
4)	_____ (DATE)	Bopanna Ichettira VASANTHA
5)	_____ (DATE)	Umesh M. KELKAR

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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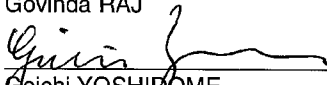
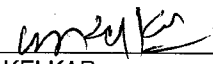
1)	_____ (DATE)	_____	Kadthala R. NARENDRNATH
2)	<u>14/07/15</u> (DATE)	<u></u>	Gowinda RAJ
3)	_____ (DATE)	_____	Goichi YOSHIDOME
4)	<u>14/7/15</u> (DATE)	<u></u>	Bopanna Ichettira VASANTHA
5)	_____ (DATE)	_____	Umesh M. KELKAR

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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1)	_____ (DATE)	_____
		Kadthala R. NARENDRNATH
2)	_____ (DATE)	_____
		Govinda RAJ
3)	<u>7/6/2015</u> (DATE)	<u></u>
		Goichi YOSHIDOME
4)	_____ (DATE)	_____
		Bopanna Ichettira VASANTHA
5)	<u>7/21/2015</u> (DATE)	<u></u>
		Umesh M. KELKAR