# 505608863 08/06/2019 PATENT ASSIGNMENT COVER SHEET

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		NEW ASSIGNMENT				
SUBMISSION TYPE: NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ΔΤΔ	I				
		Name	Execution Date			
Nojan Motamedi			07/12/2019			
Dominic J. Benvegnu			07/12/2019			
Boguslaw A. Swedek			07/12/2019			
Martin A. Josefowicz			08/06/2019			
RECEIVING PARTY DATA						
Name: APPLIED MATERIALS, INC.						
Street Address:	3050 B(	OWERS AVENUE				
City:	SANTA	CLARA				
State/Country:	CALIFC	PRNIA				
Postal Code:	95054					
PROPERTY NUMBERS Total: 1						
Property Type		Number				
Application Number:		16414709				
	ΔΤΔ					
CORRESPONDENCE DATA Fax Number: (877)769-7945						
Correspondence will be	e sent to	the e-mail address first; if that is unsucc	essful, it will be sent			
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.						
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Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:		andersen@fr.com, apsi@fr.com DAVID J. GOREN FISH & RICHARDSON P.C. P.O.BOX 1022 MINNEAPOLIS, MINNESOTA 55440-1022 05542-1309001 MELISSA ANDERSEN /Melissa Andersen/				
Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU IAME OF SUBMITTER: GIGNATURE: DATE SIGNED:	JMBER:	andersen@fr.com, apsi@fr.com DAVID J. GOREN FISH & RICHARDSON P.C. P.O.BOX 1022 MINNEAPOLIS, MINNESOTA 55440-1022 05542-1309001 MELISSA ANDERSEN /Melissa Andersen/ 08/06/2019				

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### Case # 44016145US02/CMP/05542-1309001

# ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

Nojan Motamedi	
1055 E. Evelyn Ave., Apt. 68	
Sunnyvale, CA 94086	
Dominic J. Benvegnu	
241 Beverly Drive	
La Honda, CA 94020	

Boguslaw A. Swedek
10315 A El Prado Way
Cupertino, CA 95014
Martin A. Josefowicz
3288 Vista De Madera
Lincoln, CA 95648

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

Thickness Measurement of Substrate Using Color Metrology for which application for Letters Patent in the United States was filed on 5/16/2019, under Serial

#### No. 16/414,709, 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 the Application), and the invention disclosed therein (hereinafter referred to as the 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 the 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 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.

> PATENT REEL: 049978 FRAME: 0754

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.

Date:	07,12,2019	Nosu Mohanedi
	······	NOJAN MOTAMEDI
Date:	ortizia	DAL
		DOMINIC J. BENVEGNU
Date:	07/12/19	Des TR
	, <u>,</u>	BOGUSLÄW A. SWEDER
Date:		
		MARTIN A. JOSEFOWICZ

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# Case # 44016145US02/CMP/05542-1309001

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> PATENT REEL: 049978 FRAME: 0756

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BOGUSLAW A. SWEDEK

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