#### 01/24/2018 504744110

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Andrew J. Nagengast	01/09/2018
Christopher Heung-Gyun Lee	01/08/2018
Thomas Li	01/08/2018
Anand N. Iyer	01/08/2018
Jie Diao	01/20/2018
Huanbo Zhang	01/09/2018
Erik S. Rondum	01/10/2018
Wei-Cheng Lee	01/14/2018
Jeonghoon Oh	01/08/2018

# **RECEIVING PARTY DATA**

Name:	APPLIED MATERIALS, INC.	
Street Address:	3050 BOWERS AVENUE M/S 1269	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15658294

### **CORRESPONDENCE DATA**

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DAVID J. GOREN **Correspondent Name:** 

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ATTORNEY DOCKET NUMBER:	05542-0870001
NAME OF SUBMITTER:	JESSICA RUETTIMANN

SIGNATURE:	/Jessica Ruettimann/
DATE SIGNED:	01/24/2018
Total Attachments: 5	
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Case # 023915USAL/AGS/AGS\_Spares-CMP/Matthew Balun/05542-0870P01; and Case # 023915USA/AGS/AGS\_Spares-CMP/Matthew Balun/05542-0870001; and Case # 023915TAIW/AGS/Spares/Matthew Balun/05542-0870TW1; and Case # 023915PCT/AGS/Spares/Matthew Balun/05542-0870WO1

#### ASSIGNMENT FOR APPLICATION FOR PATENT

#### WHEREAS:

### Names and Addresses of inventors:

Andrew J. Nagengast 659 Santa Paula Avenue
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Sunnyvale, CA 94085
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Los Altos Hilis, CA 94022
Jeonghoon Oh
18372 Purdue Drive
Saratoga, CA 95070

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

## RETAINING RING FOR CMP

for which a provisional application in the United States was filed on 7/25/2016, under Serial No.

62/366,550, executed on even date herewith; and

for which application for Letters Patent in the United States was filed on 7/24/2017, under Serial

No. 15/658,294, executed on even date herewith: and

for which application for Letters Patent in Taiwan was filed on 7/25/2017, under Serial No.

106124871, executed on even date herewith; and

for which application for Letters Patent in the WIPO was filed on 7/24/2017, under Serial No.

PCT/US2017/043551, 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, baths, 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.

Date:	1/9/2018	AN_
Date:	1 2 2018	ANDREW J. NAGENGAST
Date:	1/8/2018 72	CHRISTOPHER HEUNG-GYUN LEE  THOMAS LI
Date:	-1/8/2018	— ANAND N. IYER

Date:		
		JIE DIAO
Date:	1/9/18	HUANBO ZHANG
Date:	40/2018	ERIK S. RONDUM
Date:		WEI-CHENG LEE
Date:	1/8/16	JEONGHOON OH

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Date:	**	JIE DIAO
Date:	1/9/18	
Date:	40/2018	ERIK S. RONDUM
Date:	1/14/2018	WEI-CHENG LEE
Date:	1/8/16	

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Date:	1/20/2018	
_		JIE DIAO
Date:		
		HUANBO ZHANG
Date:		ERIK S. RONDUM
		ERIK S. RONDOM
Date:		WEI-CHENG LEE
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Date:		JEONGHOON OH
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PATENT REEL: 044713 FRAME: 0138

**RECORDED: 01/24/2018** 

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