507970727 06/21/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8017865

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SARAVJEET SINGH	02/01/2018
KENNETH D. SCHATZ	02/01/2018
ALAN TSO	02/01/2018
MARLIN WIJEKOON	02/01/2018
DIMITRI KIOUSSIS	02/02/2018

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:	18168467	

CORRESPONDENCE DATA

Fax Number:

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.

Email: bkennedy@kilpatricktownsend.com
Correspondent Name: KILPATRICK TOWNSEND LLP
Address Line 1: 1400 WEWATTA STREET
Address Line 4: DENVER, COLORADO 80202

ATTORNEY DOCKET NUMBER:	80042-44014755U3C-1374261
NAME OF SUBMITTER:	BRITTANY KENNEDY
SIGNATURE:	/Brittany Kennedy/
DATE SIGNED:	06/21/2023

Total Attachments: 2

source=1374261-Assgnment#page1.tif source=1374261-Assgnment#page2.tif

PATENT REEL: 064012 FRAME: 0746

507970727

Attorney Docket No.: 080042-44014755USA01-1065738

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Saravjeet Singh 969 Glenbar Ave. Sunnyvale, CA 94087	2)	Kenneth D. Schatz 1731-B Marshall Ct. Los Altos, CA 94024
3)	Alan Tso 1746 Barberry Lane San Jose, CA 95122	4)	Marlin Wijekoon 438 East Charleston Road Palo Alto, CA 94306
5)	Dimitri Kioussis 5706 Seifert Avenue San Jose, CA 95118		

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

MULTI-ZONE GAS DISTRIBUTION SYSTEMS AND METHODS

for which application for Letters Patent in the United States was filed on December 19, 2017, under Application No. 15/847,411, 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 division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

4

PATENT REEL: 064012 FRAME: 0747

- 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 filling and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filling 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)	2/1/2018	上地上.
	DATE	Saravjeet Singh
2)	2/1/2018	
	DATE	Kenneth D. Schatz
3)	DATE	ALJ/SE
		Alan I So
4)	2 / 1 / 2018 DATE	
	DATE '	Marlin Wijekoor
5)	2/2/2018	Dimitri Kloussis
	UNIE	Canar Albussis