505731007 10/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5777818

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL B. REUTER	10/16/2019
MURALI NARASIMHAN	10/17/2019
AMULYA ATHAYDE	10/14/2019
PATRICK PANNESE	10/17/2019
DEAN C. HRUZEK	10/14/2019
NIR MERRY	10/14/2019

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:	16657685

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: smacdonald@lowenstein.com

Correspondent Name: PATENT DOCKET ADMINISTRATOR

Address Line 1: LOWENSTEIN SANDLER
Address Line 2: ONE LOWENSTEIN DRIVE

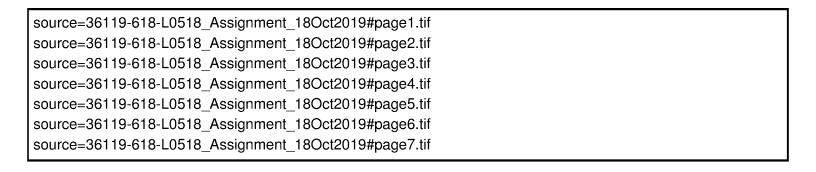
Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	36119.618 (L0518)
NAME OF SUBMITTER:	NATHAN O. GREENE, REG 56,956
SIGNATURE:	/Nathan O. Greene/
DATE SIGNED:	10/18/2019

Total Attachments: 7

PATENT REEL: 050765 FRAME: 0131

505731007



PATENT APPLICATION ASSIGNMENT

WHEREAS:

Names and Addresses of Inventors:

- Pau B. Reuter (1) 8900 Spicebrush Drive Austin, Texas 78759
- (3)Amulya L. Athayde 508 Rhodes Drive Palo Alto, California 94303
- (5) Dean C. Hruzek 731 Edwards Walk Drive Cedar Park, Texas 78613

- (2) Murali Narasimhan 2111 Shianazone Court San Jose, California 95121
- Patrick Pannese (4) 1 S. Market St. #2109 San Jose, California 95113
- (6) Nir Merry 1909 Limetree Lane Mountain View, California 94040

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

HIGH FLOW VELOCITY, GAS-PURGED, SIDE STORAGE POD APPARATUS, ASSEMBLIES, AND METHODS

for which a patent application of the United States has been filed on October 26, 2018 as Serial No. 62/751,506; 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:

Said Assignors hereby sell, assign, transfer and convey to Assignee the full and 1. 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.

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Atty. Docket No. 36119,618 (L0518)

PATENT

- 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.
- 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.

10 ~ 16	Paul B. Reuter
, 2019 (date)	Murali Narasimhan
, 2019 (date)	Amulya Athayde
, 2019 (date)	Patrick Pannese
, 2019 (date)	Dean C. Hruzek
, 2019 (date)	Nir Merry
Atty. Docket No. 36119.618 (L0518)	2 of 2

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Atty Docket No. 36119 618 (L0518)	2 of 2

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Attv. Docket No. 36119.618 (L0518)	2 of 2

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Atty Docket No. 36119 618 (L0518)	2 of 2

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Alty. Docket No. 36119.618 (L0518)	2 of 2

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(date) 2019	Nir Merry C
Atty. Docket No. 36119.618 (L0518)	2 of 2

PATENT REEL: 050765 FRAME: 0139

RECORDED: 10/18/2019