PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY C. HUDGENS	09/26/2018
MICHAEL R. RICE	08/10/2018
KARUPPASAMY MUTHUKAMATCHI	09/20/2018
NIR MERRY	07/19/2018

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:	16408303

CORRESPONDENCE DATA

Fax Number: (650)328-2799

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.

Phone: 9735972500

Email: CNascimento@lowenstein.com
Correspondent Name: LOWENSTEIN SANDLER LLP
Address Line 1: ONE LOWENSTEIN DRIVE

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	36119-551_L0508C
NAME OF SUBMITTER:	AUDREY G. OGURCHAK
SIGNATURE:	/Audrey G. Ogurchak/
DATE SIGNED:	02/06/2020

Total Attachments: 5

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PATENT 505903049 REEL: 051740 FRAME: 0098

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PATENT REEL: 051740 FRAME: 0099

Attorney Docket No: 025806US01

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- Jeffrey C. Hudgens
 21 Porter Street
 San Francisco, CA 94110
 USA
- Michael R. Rice
 1025 Via DI Salerno
 Pleasanton, CA 94566
 USA
- Karuppasamy Muthukamatchi
 Plot #3, Kalainagar 1st Main Road,
 P&T Nagar Post Box No.: 625017
 Madurai, Tamil Nadu,
 India
- 4. Nir Merry 1909 Limetree Lane Mountain View, CA 94040 USA

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

MULTI-BLADE ROBOT APPARATUS, ELECTRONIC DEVICE MANUFACTURING APPARATUS, AND METHODS ADAPTED TO TRANSPORT MULTIPLE SUBSTRATES IN ELECTRONIC DEVICE MANUFACTURING

for which application for Letters Patent in the United States was filed May 18, 2018 under Application No. 15/983,834; 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 selli, 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

PATENT REEL: 0**57**720 FRAME: 0206 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, caths, 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 has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Dated: <u>9/24/2018</u>	Jaffay C. Hudgens
Dated:	Michael R. Rice
Dated:	Karuppasamy Muthukamatchi
Dated:	Nir Merry

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Dated:	Jeffrey C. Hudgens
Dated: <u>08/10/20/8</u>	Michael R. Rice
Dated:	Karuppasamy Muthukamatchi
Dated:	Nir Merry

Attorney Docket No: 025806US01

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Dated:	Jeffrey C. Hudgens
Dated:	Michael R. Rice
Dated: 2019 2018	00}
**************************************	Karuppasamy Muthukamatchi
Dated:	Nir Merry

Attorney Docket No: 025806US01

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Dated:	Jeffrey C. Hudgens
Dated:	Michael R. Rice
Dated:	Karuppasamy Muthukamatchi
Dated: 7/19/18	Nir Merry