#### 504651304 11/20/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4698025

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KARUPPASAMY MUTHUKAMATCHI	06/27/2017
DAMON K. COX	11/20/2017
JEFFREY C. HUDGENS	07/18/2017

# **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:	15619424

# CORRESPONDENCE DATA

Fax Number: (914)579-2201

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: 914-579-2200

Email: duganemail@duganpatent.com

BRIAN M. DUGAN, DUGAN & DUGAN, PC **Correspondent Name:** 

Address Line 1: 245 SAW MILL RIVER ROAD

Address Line 2: **SUITE 309** 

Address Line 4: HAWTHORNE, NEW YORK 10532

ATTORNEY DOCKET NUMBER:	24115/USA	
NAME OF SUBMITTER:	BRIAN M. DUGAN	
SIGNATURE:	/Brian M. Dugan, Reg. No. 41,720/	
DATE SIGNED:	11/20/2017	

### **Total Attachments: 4**

source=24115-Executed\_Asg-All-Inventors#page1.tif source=24115-Executed\_Asg-All-Inventors#page2.tif source=24115-Executed Asg-All-Inventors#page3.tif

**PATENT REEL: 044182 FRAME: 0098** 504651304

source=24115-Executed\_Asg-All-Inventors#page4.tif

PATENT REEL: 044182 FRAME: 0099

Attorney Docket No: 24115/USA

#### ASSIGNMENT FOR APPLICATION FOR PATENT

#### WHEREAS:

Names and Addresses of Inventors:

- Karuppasamy Muthukamatchi
   Plot #3, Kalainagar 1st Main Road,
   P&T Nagar Post Box No.: 625017
   Madurai, Tamil Nadu,
   India
- 2. Damon K. Cox 2104 Creekview Drive Round Rock, TX 78681 USA
- 3. Jeffrey C. Hudgens
  21 Porter Street
  San Francisco, CA 94110
  USA

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

DUAL ROBOT INCLUDING SPACED UPPER ARMS AND INTERLEAVED WRISTS AND SYSTEMS AND METHODS INCLUDING SAME

for which application for Letters Patent in the United States was filed June 9, 2017 under Application No. 15/619,424; 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.
  - Said Assignors hereby covenant and agree to cooperate with said Assignee to enable

PATENT REEL: 044182 FRAME: 0100

Attorney Docket No: 24115/USA

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 has 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.

Daled: 27- June-2017	Karuppasarny Muthukamatchi
Dated:	Damon K. Cox
Dated:	Jeffrey C. Hudgens

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.

- 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.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

Dated:	
Dated:	Karuppasamy Muthukamatchi  Damon K. Cox
Dated:	Jeffroy C. Lindrops
	Jeffrey C. Hudgens

Attorney Docket No: 24115/USA

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.

- 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.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

Dated:	Karuppasamy Muthukamatchi
Dated:	Damon K. Cox
Dated: 7/18/17	Jeffey C. Hudgens