503973604 08/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4020260

SUBMISSION TYPE:	
A	Corrective Assignment to correct the ASSIGNEE'S NAME AND ADDRESS previously recorded on Reel 035005 Frame 0164. Assignor(s) hereby confirms the CORRECTION FROM -BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL YIP	06/02/2014
DAVID B. CAMARILLO	06/05/2014

RECEIVING PARTY DATA

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Postal Code:	94305

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14197739
Application Number:	61776622

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ATTORNEY DOCKET NUMBER:	102354-0193
NAME OF SUBMITTER:	ANGELA D. MURCH
SIGNATURE:	/Angela D. Murch/
DATE SIGNED:	08/23/2016

PATENT 503973604 REEL: 039785 FRAME: 0685

Total Attachments: 5

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3236625

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL YIP	06/02/2014
DAVID B CAMARILLO	06/05/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	14197739	
Application Number:	61776622	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	102354-0193, AND -0155
NAME OF SUBMITTER:	AIMEE MAJDOUB
SIGNATURE:	/Aimee Majdoub/
DATE SIGNED:	02/23/2015

Total Attachments: 3

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and coffectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

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Building 170, Third Floor, Main Quad, P.O. Box 20386

Stanford

94305

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

MODEL-LESS CONTROL FOR FLEXIBLE MANIPULATORS

as set forth in

United States Provisional Patent Application Serial No. 61/776.622 Filed March 11, 2013 and

United States Non-Provisional Patent Application Serial No. 14/197,739 Filed March 5, 2014

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto. (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made,

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNED as assignce of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Page Lof 2

4839-3833-9261 1

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns. and transfers, unto

The Board of Trustees of the Leland Stanford Junior University

+745 El-Camino Real

Office of the General Counsel

Building 170, Third Floor, Main Quad, P.O. Box 20386

Palo-Adro, California 94306 Stanford

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

MODEL-LESS CONTROL FOR FLEXIBLE MANIPULATORS

as set forth in

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Page 1 of 2

4839-3833-6281.1

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 02 day of June	, 2014.			
		Maly	24.	
	* (***********************************	Miei	AMEL YIP	

Executed this day of	, 2014,			
	- · · · · · · · · · · · · · · · · · · ·			
		DAVID B. C	AMARILLO	-

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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Executed this	day of	, 2014.	
			MICHAEL YIP
Executed this	≥ day of <u>Jax</u>	<u>~2014.</u>	MACH
		************	DAVID B. CAMARILLO

Page 2 of 3

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RECORDED: 08/23/2016