# 504708892 12/29/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
	<b>.</b>			
CONVEYING PARTY DATA				
		Name	Execution Date	
			08/23/2016	
KIYOSHI TAKAGI			08/26/2016	
HIDEKAZU KOSE			08/26/2016	
RECEIVING PARTY DA	ГА			
Name: CANON U.S.A., INC.				
Street Address:	ONE CANON PARK			
City:	MELVILLE			
State/Country:	NEW YORK			
Postal Code:	11747			
PROPERTY NUMBERS Total: 1				
Property Type		Number		
Application Number:	1	5741171		
	۸ΤΛ			
Fax Number: (949)932-3560				
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: 949-932-3329   Email: IPDocketing@cusa.canon.com				
Email:IPDocketing@cusa.canon.comCorrespondent Name:CANON U.S.A. INC. INTELLECTUAL PROPERTY				
Address Line 1: 15975 ALTON PARKWAY				
Address Line 4: IRVINE, CALIFORNIA 92618-3731				
Address Line 4:		RVINE, CALIFORNIA 92618-3731		
Address Line 4: ATTORNEY DOCKET NU	I	RVINE, CALIFORNIA 92618-3731 2611-17607-PCTUS-NP		
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ATTORNEY DOCKET NU	I	2611-17607-PCTUS-NP		
ATTORNEY DOCKET NU NAME OF SUBMITTER:	I	2611-17607-PCTUS-NP JOCELYN LIN		
ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	I	2611-17607-PCTUS-NP JOCELYN LIN /Jocelyn Lin/		
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source=2611-17607\_Assignment\_KOSE#page1.tif source=2611-17607\_Assignment\_KOSE#page2.tif

> PATENT REEL: 044508 FRAME: 0155

#### ASSIGNMENT

FOR VALUE RECEIVED, I

NAME Takahisa Kato address c/o Canon U.S.A Inc., IP Division 15975 Alton Parkway Irvine, CA 92618

Citizenship: Japan

hereby sell, assign, transfer and convey unto

**Canon U.S.A., Inc.**, a corporation of New York having a place of business at One Canon Park, Melville, NY 11747

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

#### METHOD AND APPARATUS FOR CONTROLLING MANIPULATOR (atty. docket no. 2611-17607)

and described in an application for Patent which was executed by us, respectively, and which was filed on 6/30/2015, as PCT Application Serial No . PCT/US2015/038662

and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I authorize and empower the Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by the Assignee or nominees, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file, or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I hereby covenant that I have the full right to convey the entire right, title, and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to the Assignee or nominees all facts known to me pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and declarations, and in general perform all lawful acts

## PATENT REEL: 044508 FRAME: 0156

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necessary or proper to aid the Assignce or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said invention in any and all countries and regions.

IN TESTIMONY WHEREOF, I hereunto set our hand and seal this 23 day of Aug signature

Witness Milleyo Date: 23 Aug. 2010

#### ASSIGNMENT

FOR VALUE RECEIVED, I

NAME Kiyoshi Takagi address c/o Canon U.S.A Inc., IP Division 15975 Alton Parkway Irvine, CA 92618

Citizenship: Japan

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AND I authorize and empower the Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by the Assignee or nominees, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

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Page 1 of 2

PATENT REEL: 044508 FRAME: 0158 necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said invention in any and all countries and regions.

IN TESTIMONY WHEREOF, I hereunto set our hand and seal this <u>26</u> day of <u>August</u>, 2016

Witness: Moreno Majorno. Date: August 26, 2016

#### ASSIGNMENT

#### FOR VALUE RECEIVED, I

NAME Hidekazu Kose address c/o George W. Woodruff School of Mechanical Engineering Georgia Institute of Technology Atlanta, GA 30332-0405

Citizenship: Japan

hereby sell, assign, transfer and convey unto

Canon U.S.A., Inc., a corporation of New York having a place of business at One Canon Park, Melville, NY 11747

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and described in an application for Patent which was executed by us, respectively, and which was filed on 6/30/2015, as PCT Application Serial No . PCT/US2015/038662

and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I authorize and empower the Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by the Assignee or nominees, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file, or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

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Page 2 of 2

### PATENT REEL: 044508 FRAME: 0160

continuing, and reissue applications, make all rightful oaths and declarations, and in general perform all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said invention in any and all countries and regions.

IN TESTIMONY WHEREOF, I hereunto set our hand and seal this 26 day of August, 2016

Hidekazu Kore signature

Witness:

Mineria Date: August 26, 2016

Page 2 of 2

**RECORDED: 12/29/2017**