

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIDEKAZU KOSE	05/09/2018
KIYOSHI TAKAGI	05/14/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CANON U.S.A. INC.
<b>Street Address:</b>	ONE CANON PARK
<b>City:</b>	MELVILLE
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11747
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15959800
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	949-932-3329
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<b>Correspondent Name:</b>	CANON U.S.A. INC. INTELLECTUAL PROPERTY
<b>Address Line 1:</b>	15975 ALTON PARKWAY
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<b>ATTORNEY DOCKET NUMBER:</b>	2610-21677-NON-PROV
<b>NAME OF SUBMITTER:</b>	JOCELYN LIN
<b>SIGNATURE:</b>	/Jocelyn Lin/
<b>DATE SIGNED:</b>	05/18/2018
<b>Total Attachments: 2</b>	
source=2610-21677_Assignment_Kose#page1.tif	
source=2610-21677_Assignment_Takagi#page1.tif	

**ASSIGNMENT**

FOR VALUE RECEIVED, I

Hidekazu Kose, residing at Shimomaruko, Japan,

hereby sell, assign, transfer, and convey unto

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

(hereinafter called the "Assignee"), any right, title, and interest that I have in and to the inventions that are described in an application for a United States patent (the "Application") that is entitled

**METHOD FOR CONTROLLING A FLEXIBLE MANIPULATOR**

by Hidekazu Kose and Kiyoshi Takagi;

Attorney Docket No.: 2610-21677

and that is filed concurrently herewith or was filed on April 23, 2018 and appointed Serial No. 13/950,800, and which claim priority to U.S. Provisional Application Serial No. 62/490,907 which was filed on April 27, 2017, and in and to the Application, and all divisionals, renewals, continuations, and continuations-in-part thereof, and all patents of the United States that may be granted thereon, and all reissues and extensions thereof, and all applications for patent, all patents, whether national patents or supranational patents, and all 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, industrial design registration that may be filed, and all rights of priority in any such country or countries and that may be granted, upon the inventions in any countries or regions foreign to the United States, and all reissues, renewals, divisionals, and extensions thereof; and I 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 patents or other grants of protection upon the inventions to the Assignee or to such nominees as the Assignee may designate.

AND I hereby sell, assign, transfer, and convey unto the Assignee any right, title, and interest that I have to the right to claim priority to the Application, and accordingly I authorize and empower the Assignee or its nominees to invoke and claim the right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment will be deemed a full and formal equivalent of any assignment, consent to file, or like document that may be required in any country or region for any purpose, including without limitation as proof of the right of the Assignee or its nominees to claim the right of priority.

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 its nominees all facts known to me that are relevant to the inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisionals, continuations, and reissue applications, make all rightful oaths and declarations, and in general perform all lawful acts necessary or proper to aid the Assignee or its nominees in obtaining, maintaining, and enforcing all patents or other grants of protection upon the inventions in any and all countries and regions.

AND I hereby covenant and agree that, if any court or competent authority finds that any provision of this agreement, or part of any provision, is invalid, illegal, or unenforceable, that provision or part of a provision will, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of this agreement will not be affected.

AND I hereby authorize the attorneys of record for the Application or the attorneys' representative to fill in the application number and filing date in the spaces provided above.

Hidekazu Kose  
Hidekazu Kose

Tadashi Matsumoto  
Witness

9 May 2018  
Date

14 May 2018  
Date

NO LEGALIZATION REQUIRED. THIS DOCUMENT MAY BE NOTARIZED IF DESIRED FOR FURTHER PROOF OF EXECUTION

**ASSIGNMENT**

FOR VALUE RECEIVED, I

**Kiyoshi Takagi**, residing at Tokyo, Japan,

hereby sell, assign, transfer, and convey unto

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

(hereinafter called the "Assignee"), any right, title, and interest that I have in and to the inventions that are described in an application for a United States patent (the "Application") that is entitled

**METHOD FOR CONTROLLING A FLEXIBLE MANIPULATOR**

by **Hidekazu Kose and Kiyoshi Takagi**;

Attorney Docket No.: 2610-21677

and that is filed concurrently herewith or was filed on April 23, 2018 and appointed Serial No. 15/959,800, and which claim priority to U.S. Provisional Application Serial No. 62/490,207 which was filed on April 27, 2017, and in and to the Application, and all divisionals, renewals, continuations, and continuations-in-part thereof, and all patents of the United States that may be granted thereon, and all reissues and extensions thereof, and all applications for patent, all patents, whether national patents or supranational patents, and all 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, industrial design registration that may be filed, and all rights of priority in any such country or countries and that may be granted, upon the inventions in any countries or regions foreign to the United States, and all reissues, renewals, divisionals, and extensions thereof; and I 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 patents or other grants of protection upon the inventions to the Assignee or to such nominee as the Assignee may designate.

AND I hereby sell, assign, transfer, and convey unto the Assignee any right, title, and interest that I have to the right to claim priority to the Application, and accordingly I authorize and empower the Assignee or its nominee to invoke and claim the right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment will be deemed a full and formal equivalent of any assignment, consent to file, or like document that may be required in any country or region for any purpose, including without limitation as proof of the right of the Assignee or its nominee to claim the right of priority.

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 its nominee all facts known to me that are relevant to the inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisionals, continuations, and reissue applications, make all rightful oaths and declarations, and in general perform all lawful acts necessary or proper to aid the Assignee or its nominee in obtaining, maintaining, and enforcing all patents or other grants of protection upon the inventions in any and all countries and regions.

AND I hereby covenant and agree that, if any court or competent authority finds that any provision of this agreement, or part of any provision, is invalid, illegal, or unenforceable, that provision or part of a provision will, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of this agreement will not be affected.

AND I hereby authorize the attorneys of record for the Application or the attorneys' representative to fill in the application number and filing date in the spaces provided above.

Kiyoshi Takagi  
Kiyoshi Takagi

May 14, 2018  
Date

Kanba Fujimoto  
Witness

May 14, 2018  
Date

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