#### 504873347 04/17/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4920087

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
ALBERT HAROLD DUNFEE	04/13/2018
SEIJI TAKEUCHI	04/13/2018
BADR ELMAANAOUI	04/13/2018
MARK ALAN HAMM	04/13/2018

# **RECEIVING PARTY DATA**

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:	15955574

# **CORRESPONDENCE DATA**

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

CANON U.S.A. INC. INTELLECTUAL PROPERTY **Correspondent Name:** 

15975 ALTON PARKWAY Address Line 1:

Address Line 4: IRVINE, CALIFORNIA 92618-3731

ATTORNEY DOCKET NUMBER:	2900-20985
NAME OF SUBMITTER:	JOCELYN LIN
SIGNATURE:	/Jocelyn Lin/
DATE SIGNED:	04/17/2018

# **Total Attachments: 4**

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**PATENT** REEL: 045566 FRAME: 0297 504873347

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PATENT REEL: 045566 FRAME: 0298

FOR VALUE RECEIVED, I

Albert Harold Dunfee, residing at Byfield, MA,

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

# IMAGING CATHETER ASSEMBLY by Albert Harold Dunfee, Seiji Takeuchi, Badr Elmaanaoui, Mark Alan Hamm; Attorney Docket No.: 2900-20985

and that is filed concurrently herewith or was filed on Application, and all divisionals, renewals, continuations, and continuarions, and all divisionals, renewals, continuations, and continuarional patents, and all reissues and extensions thereof, and all appl supranational patents, and all other grants of protection of proprietar model, utility certificate, patent of importation, registration of patent priority in any such country or countries and that may be granted, up States, and all reissues, renewals, divisionals, and extensions thereof Trademarks of the United States, and all officials of countries or reg such patents or other grants of protection upon the inventions to the	uations-in-part thereof, and all patents of the ications for patent, all patents, whether name y rights including, but not limited to, invest, industrial design registration that may be soon the inventions in any countries or registration that may be soon the inventions in any countries or registrand I hereby authorize and request the Cions foreign to the United States having an	tional patents or ntor's certificate, utility e filed, and all rights of ons foreign to the United commissioner for Patents and uthority to do so, to issue all
AND I hereby sell, assign, transfer, and convey unto the Application, and accordingly I authorize and empowe without further written or oral authorization from me.	assignce any right, title, and interest that I is the Assignee or its nominees to invoke a	have to the right to claim and claim the right of priority
AND I hereby consent that a copy of this assignment will file, or like document that may be required in any country or region the Assignee or its nominees to claim the right of priority.	be deemed a full and formal equivalent of for any purpose, including without limitat	any assignment, consent to ion as proof of the right of
AND I hereby covenant that I have the full right to convergence and will not execute any agreement in conflict herewith.	y the entire right, title, and interest herein	assigned and that I have not
AND I hereby covenant and agree that I will communicate to the inventions, and testify in all legal proceedings, sign all lawful make all rightful oaths and declarations, and in general perform all obtaining, maintaining, and enforcing all patents or other grants of patents.	papers, execute all divisionals, continuati awful acts necessary or proper to aid the	ons, and reissue applications, Assignee or its nominees in
AND I hereby covenant and agree that, if any court or cor any provision, is invalid, illegal, or unenforceable, that provision or and the validity and enforceability of the other provisions of this agr	part of a provision will, to the extent requ	of this agreement, or part of fired, be deemed to be deleted,
AND I hereby authorize the attorneys of record for the Apnumber and filing date in the spaces provided above.	oplication or the attorneys' representative	to fill in the application
Albert Harold Danfee	Witness\\	

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PATENT REEL: 045566 FRAME: 0299

13 APR 2018

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Seiji Takeuchi, residing at Newton, MA,

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

# IMAGING CATHETER ASSEMBLY by Albert Harold Dunfee, Seiji Takeuchi, Badr Elmaanaoui, Mark Alan Hamm; Attorney Docket No.: 2900-20985

Attorney Dock	et No.: 2900-20985	
and that is filed concurrently herewith or was filed on	nuations-in-part thereof, and all patents of talications for patent, all patents, whether nainly rights including, but not limited to, invent, industrial design registration that may be pon the inventions in any countries or registration that may be pon the inventions in any countries or registration.	the United States that may be utional patents or entor's certificate, utility e filed, and all rights of lons foreign to the United Commissioner for Patents and uthority to do so, to issue all
AND I hereby sell, assign, transfer, and convey unto the a priority to the Application, and accordingly I authorize and empowe without further written or oral authorization from me.		
AND I hereby consent that a copy of this assignment will file, or like document that may be required in any country or region 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.

Chii Takalahi

April 13, 2018

Witness

Date

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FOR VALUE RECEIVED, I

Badr Elmaanaoui, residing at Belmont, MA,

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

# IMAGING CATHETER ASSEMBLY by Albert Harold Dunfee, Seiji Takeuchi, Badr Elmaanaoui, Mark Alan Hamm; Attorney Docket No.: 2900-20985

and that is filed concurrently herewith or was filed on	mations-in-part thereof, and all patents of the lications for patent, all patents, whether nation ry rights including, but not limited to, inventent, industrial design registration that may be fix pon the inventions in any countries or regions of; and I hereby authorize and request the Courgions foreign to the United States having auth	United States that may be nal patents or or's certificate, utility led, and all rights of creign to the United oriissioner for Patents and ority to do so, to issue all
AND I hereby sell, assign, transfer, and convey unto the a priority to the Application, and accordingly I authorize and empowe without further written or oral authorization from me.	Assignce any right, title, and interest that I haver the Assignce or its nominees to invoke and	ve to the right to claim claim the right of priority
AND I hereby consent that a copy of this assignment will file, or like document that may be required in any country or region the Assignee or its nominees to claim the right of priority.	be deemed a full and formal equivalent of an for any purpose, including without limitation	y assignment, consent io as proof of the right of
AND I hereby covenant that I have the full right to conve executed and will not execute any agreement in conflict herewith.	ry the entire right, title, and interest herein ass	igned and that I have not
AND I hereby covenant and agree that I will communical to the inventions, and testify in all legal proceedings, sign all lawfu make all rightful ouths and declarations, and in general perform all obtaining, maintaining, and enforcing all patents or other grants of	I papers, execute all divisionals, continuations lawful acts necessary or proper to aid the Ass	s, and reissue applications, signee or its nominees in
AND I hereby covenant and agree that, if any court or co any provision, is invalid, illegal, or unenforceable, that provision of and the validity and enforceability of the other provisions of this ag	r part of a provision will, to the extent require	this agreement, or part of d, be deemed to be deleted,
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EXECUTION

FOR VALUE RECEIVED. I

Mark Alan Hamm, residing at Lynnfield, MA,

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# IMAGING CATHETER ASSEMBLY by Albert Harold Dunfee, Seiji Takeuchi, Badr Elmaanaoui, Mark Alan Hamm; Attorney Docket No.: 2900-20985

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Application, and all divisionals, renewals, continuations, and continuations	ations-in-part thereof, and all patents of the	: United States that may be
granted thereon, and all reissues and extensions thereof, and all applic	cations for patent, all patents, whether natic	onal patents or
supranational patents, and all other grants of protection of proprietary	rights including, but not limited to, invent	or's certificate, utility
model, utility certificate, patent of importation, registration of patent,	industrial design registration that may be f	iled, and all rights of
priority in any such country or countries and that may be granted, upon	on the inventions in any countries or region	is foreign to the United
States, and all reissues, renewals, divisionals, and extensions thereof;	and I hereby authorize and request the Cor	mmissioner for Patents and
Trademarks of the United States, and all officials of countries or region	ons foreign to the United States having auth	hority to do so, to issue all
such patents or other grants of protection upon the inventions to the A	Assignee or to such nominees as the Assign	ee 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.

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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.

Mark Alan Hamm

13-APR-2018

Date

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