506364195 11/19/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIWU CAO	01/14/2019
NIKHIL KRISHNAN	01/14/2019
BRADLEY SCOTT DENNEY	01/14/2019
HUNG KHEI HUANG	01/22/2019

RECEIVING PARTY DATA

Name:	CANON VIRGINIA, INC.	
Street Address:	12000 CANON BLVD.	
City:	NEWPORT NEWS	
State/Country:	VIRGINIA	
Postal Code:	23606	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16952869

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: 9499323485

Email: cusaipdocketing@cusa.canon.com

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

Address Line 1: 15975 ALTON PARKWAY

Address Line 4: IRVINE, CALIFORNIA 92618-3731

ATTORNEY DOCKET NUMBER:	2700-23725-DIV-2-CVI	
NAME OF SUBMITTER:	JOSEPH VEHIGE	
SIGNATURE:	/Joseph Vehige/	
DATE SIGNED:	11/19/2020	

Total Attachments: 4

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PATENT 506364195 REEL: 054423 FRAME: 0457

 $source = 2700 - 23725 - DIV - 2 - CVI_Assignments \# page 4.tif$

FOR VALUE RECEIVED, I,

Xiwu Cao, residing at Arcadia, California,

hereby sell, assign, transfer, and convey unto

Canon Virginia, Inc., a corporation of Virginia

having a place of business at 12000 Canon Blvd, Newport News, VA 23606

(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 or in a PCT international application for patent (the "Application") that is entitled

DEVICES, SYSTEMS, AND METHODS FOR ANCHOR-POINT-ENABLED MULTI-SCALE SUBFIELD ALIGNMENT.

by Xiwu Cao, Nikhil Krishnan, Bradley Scott Denney, and Hung Khei Huang (Attorney Docket No.: 2700-23725-NON-PROV-CVI),

which was filed on January 15, 2019 and appointed Serial No. 16/248,480 or which will be filed after the execution of this assignment; and in and to the Application and all patents of the United States that may be granted thereon, and all reissues and extensions thereof; and in and to all applications for a United States patent that claims the benefit of the Application and all applications for a United States patent that the Application claims the benefit of, including without limitation nonprovisionals, divisionals, renewals, continuations, and continuations-in-part, and all patents of the United States that may be granted thereon, and all reissues and extensions thereof; and in and to all applications for patent, all patents, including without limitation national patents and supranational patents, and all other grants of protection of proprietary rights, including without limitation inventor's certificate, utility model, utility certificate, patent of importation, registration of patent, and industrial design registration, that claim priority to the Application or that the Application claims priority to, or that may be filed or granted upon the inventions, in any countries or regions foreign to the United States, and all divisionals, continuations, continuations-in-part, reissues, renewals, 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 that 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, including without limitation 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 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 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, continuations-in-part, 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 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.

<u>Julao</u>

Niwu Cao

01/14/2019

Date

Page 1 of 1

FOR VALUE RECEIVED, I.

Nikhil Krishnan, residing at Lake Forest, California,

hereby sell, assign, transfer, and convey unto

Canon Virginia, Inc., a corporation of Virginia

having a place of business at 12000 Canon Blvd, Newport News, VA 23606

(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 or in a PCT international application for patent (the "Application") that is entitled

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by Xiwu Cao, Nikhil Krishnan, Bradley Scott Denney, and Hung Khei Huang (Attorney Docket No.: 2700-23725-NON-PROV-CVI),

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O 1/17/2019

Nikhil Krishnan Date

Page 1 of 1

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Bradley Scott Denney, residing at Irvine, California,

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Bradley Scott Denney Date

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Hung Khei Hyang

RECORDED: 11/19/2020

01/22/2019

Date

Page 1 of 1