505182452 11/08/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5229221 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER ALTSHULER	11/05/2018
JACOB SCHIEFFELIN BRAUER	11/05/2018
ANDERSON THI MACH	11/05/2018

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:	16184646

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:**

Address Line 1: 15975 ALTON PARKWAY

Address Line 4: IRVINE, CALIFORNIA 92618-3731

ATTORNEY DOCKET NUMBER:	2900-20603
NAME OF SUBMITTER:	JOCELYN LIN
SIGNATURE:	/Jocelyn Lin/
DATE SIGNED:	11/08/2018

Total Attachments: 3

source=2900-20603_Assignment_Altshuler - Executed#page1.tif source=2900-20603_Assignment_Brauer - Executed#page1.tif source=2900-20603 Assignment Mach - Executed#page1.tif

PATENT REEL: 047456 FRAME: 0457 505182452

ASSIGNMENT

FOR VALUE RECEIVED, I

Alexander Altshuler, residing at Cambridge, 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

APPARATUS, SYSTEM AND METHOD FOR CORRECTING NONUNIFORM ROTATIONAL DISTORTION IN AN IMAGE

by Alexander Altshuler, Jacob Schieffelin Brauer; Anderson Thi Mach; Attorney Docket No.: 2900-20603

and that is filed concurrently herewith or was filed on
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. Alexander Altshuler Witness
5 NOV 2018 J NOV 2018

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

ASSIGNMENT

FOR VALUE RECEIVED, I

Jacob Schieffelin Brauer, residing at Cambridge, 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

(hereinaster 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

APPARATUS, SYSTEM AND METHOD FOR CORRECTING NONUNIFORM ROTATIONAL DISTORTION IN AN IMAGE

by Alexander Altshuler, Jacob Schieffelin Brauer; Anderson Thi Mach;
Attornev Docket No.: 2900-20603

and that is filed concurrently herewith or was filed on	and appointed Serial No.	and in and to the
Application, and all divisionals, renewals, continuations, and continu	ations-in-part thereof, and all patents of the	United States that may be
granted thereon, and all reissues and extensions thereof, and all appli		
supranational patents, and all other grants of protection of proprietary		
model, utility certificate, patent of importation, registration of patent		
priority in any such country or countries and that may be granted, up	on the inventions in any countries or regions	foreign to the United
States, and all reissues, renewals, divisionals, and extensions thereof		
Trademarks of the United States, and all officials of countries or regisuch patents or other grants of protection upon the inventions to the		

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.

Jacob Schieffelin Brauer

Nov 5, 2018

Date

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

PATENT REEL: 047456 FRAME: 0459

ASSIGNMENT

FOR VALUE RECEIVED, I

Date

EXECUTION

RECORDED: 11/08/2018

Anderson Thi Mach, residing at Boston, 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

APPARATUS, SYSTEM AND METHOD FOR CORRECTING NONUNIFORM ROTATIONAL DISTORTION IN AN IMAGE

by Alexander Altshuler, Jacob Schieffelin Brauer; Anderson Thi Mach; Attorney Docket No.: 2900-20603

and that is filed concurrently herewith or was filed on
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.
Aller
Anddrson Thi Mach Wilhesh \
5 NOV 2018

Date

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

PATENT REEL: 047456 FRAME: 0460