505442505 04/24/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5489306

NATURE OF CONVEYANCE: Corrective Assignment to correct the RECEIVING PARTY DATA: INTERNAL ADDRESS AND CITY previously recorded on Reel 045423 Frame 0693. Assignor(s) hereby confirms the INTERNAL ADDRESS SHOULD READ: OHTA-KU, AND CITY SHOULD READ: TOKYO.	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
		INTERNAL ADDRESS AND CITY previously recorded on Reel 045423 Frame 0693. Assignor(s) hereby confirms the INTERNAL ADDRESS

CONVEYING PARTY DATA

Name	Execution Date
SADAHARU MATSUO	03/09/2018

RECEIVING PARTY DATA

Name:	CANON KABUSHIKI KAISHA
Street Address:	30-2, SHIMOMARUKO 3-CHOME
Internal Address:	OHTA-KU
City:	TOKYO
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29641604

CORRESPONDENCE DATA

Fax Number: (212)218-2200

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: 2122182200

Email: DLGodfrey@Venable.com

Correspondent Name: VENABLE LLP

Address Line 1: 1290 AVENUE OF THE AMERICAS

Address Line 2: 126951.447061 BLK

Address Line 4: **NEW YORK, NEW YORK 10104-3800**

ATTORNEY DOCKET NUMBER:	126951.447061
NAME OF SUBMITTER:	BRIAN L. KLOCK
SIGNATURE:	/Brian L. Klock/
DATE SIGNED:	04/24/2019

Total Attachments: 3

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PATENT REEL: 050174 FRAME: 0538 505442505

Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

	Name	Execution Date
SADAHARU MATSUO		03/09/2018

RECEIVING PARTY DATA

Name:	CANON KABUSHIKI KAISHA
Street Address:	30-2, SHIMOMARUKO 3-CHOME
City:	OHTA-KU
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29641604

CORRESPONDENCE DATA

 Fax Number:
 (212)218-2200

 Phone:
 2122182100

 Email:
 dgodfrey@fchs.com

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.

Correspondent Name: FITZPATRICK, CELLA, HARPER & SCINTO Address Line 1: 1290 AVENUE OF THE AMERICAS

Address Line 2: 03503.277317/BLK

Address Line 4: NEW YORK, NEW YORK 10104-2100

ATTORNEY DOCKET NUMBER:	03503.277317.
NAME OF SUBMITTER:	BRIAN L. KLOCK
Signature:	/Brian L. Klock/
Date:	04/03/2018
T . 1	

Total Attachments: 1

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Assignment Page 2 of 2

RECEIPT INFORMATION

EPAS ID: PAT4896853 **Receipt Date:** 04/03/2018

SOLE (BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, 1, SADAHARU MATSUO

residing at 3-25-212, Kaminoge 2-chome, Setagaya-ku, Tokyo, Japan

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at 30-2. Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

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and described in an application for Letters Patent of the United States executed by me on the date indicated below and in 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 ressues and extensions thereof; and I hereby authorize and request the Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions, the 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 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 legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the atmessaid 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 covernant 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 said Assignee or nominees all facts known to me penaining 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 necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

py <u>Salaharu Matsuo</u> sabahabu matsuo

RECORDED: 04/24/2019

Date 1. Mar 2018

PATENT REEL: 050174 FRAME: 0541