505501864 05/31/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date			
YUHEI OIKAWA	02/28/2019			
TOSHIYUKI CHIKUMA	02/28/2019			
YUTAKA KANO	02/28/2019			
KOHEI SATO	02/28/2019			

RECEIVING PARTY DATA

Name:	Canon Kabushiki Kaisha				
Street Address:	30-2, Shimomaruko 3-Chome, Ohta-ku				
City:	Tokyo				
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PROPERTY NUMBERS Total: 1

Property Type	Number					
Application Number:	16361380					

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	10185324US01
NAME OF SUBMITTER:	KIMIKA SAKURAI
SIGNATURE:	/Kimika Sakurai/
DATE SIGNED:	05/31/2019

Total Attachments: 2

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> **PATENT** REEL: 049326 FRAME: 0328

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ASSI GNMENT

Toshivuki Chikuma

FOR VALUE RECEIVED, I/WE

Ynhei Oikawa

	200223
Yutaka Kano	Kohel Sato
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 all countries, in and to certain inventions relating to

PRINTING APPARATUS AND DISCHARGE STATUS JUDGMENT METHOD

	and describ	ed i	an	application	for	Letters	Patent	of	the	United	States	executed	bу	me/us,	and
filed	CLI			as (nite	d States	Applic	atio	m N	3.			Œ		
as RCI	'Internatio	ml A	pol i	cation No.					,						

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 reissues and extensions thereof, and all applications for Letters Patent or 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 and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we 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 Letters Patent or other grants of protection upon said inventions to the Assignee

AND I/we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as animalist, 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/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like deciment which may be required in any country or region for any purpose

more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid 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 benceforth be substituted for it.

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or to such nominees as it may designate.

PATENT REEL: 049326 FRAME: 0329 AND I/we hereby coverant that I/we have the full right to convey the entire right, title and interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pectaining 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 or other grants of protection of said inventions in any and all countries and regions.

By: Yuhei Dikawa Yuhei Oikawa	Date: <u>February 28, 2019</u>
By: <u>Joshiya A. W. Kasan</u> Toshiyaki Chikuma	Date: <u>L. Carany 28, 2019</u>
ny: <u>Yutaka Kano</u> Yutaka Kano	tate: <u>Lbruary</u> 28, 2019
By Kahil Sata Kohel Sato	Date: Lebruary 28.2019
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