PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date			
TSUYOSHI SAEKI	03/12/2019			
TOSHIAKI TOKISAWA	03/12/2019			
TAKASHI ABE	03/12/2019			
YUMI MUKOYAMA	03/12/2019			

RECEIVING PARTY DATA

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

Property Type	Number					
Application Number:	16360400					

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	10187319US01
NAME OF SUBMITTER:	KIMIKA SAKURAI
SIGNATURE:	/Kimika Sakurai/
DATE SIGNED:	06/03/2019

Total Attachments: 2

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> PATENT 1305 REEL: 049341 FRAME: 0038

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ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Tsuyoshi Saeki	Toshiaki Tokisawa							
Takashi Abe	Yumi Mukoyama							

	<u>; </u>							
hereby sell, assign, transfer and convey un	ito CANON KARIISHIKI KAISHA							

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

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filed	œ					as U	nite	d States	åpplic	at is	on N	3.			Œ		

as RT International Application 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 or to such nominees as it may designate.

ANO 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 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/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 document which may be required in any country or region for any purpose and

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 henceforth be substituted for it.

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PATENT REEL: 049341 FRAME: 0039 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 appreciant in conflict herewith.

AND I/we hereby coverant and agree that I/we will communicate to said Assignee or nominees all facts known to me/us pertaining 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.

N: <u>Tsuyoohi looki</u> Tsuyoshi Saeki	tans <u>March 12, 2019</u>
ny Tashlaki Takliasa Toshiaki Tokisawa	Date: 17702/2 /2 , 2019
_{ily:} Jakahi Ale Takashi Abe	Date: March 12, 2019
sy: <u>Vani Nakoyama</u> Yuni Mukoyana	Date: <u>March 12, 2019</u>
By:	Date:
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