505940696 02/28/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TSUNENORI ASHIBE	12/24/2019
HIDEHIKO FUJIMURA	12/24/2019
KATSUHIRO WATANABE	01/25/2020
HIROYUKI MORIMOTO	01/06/2020
SHUNSUKE KUBOYAMA	12/24/2019
TOSHIJI NISHIGUCHI	12/25/2019

RECEIVING PARTY DATA

Name:	Canon Kabushiki Kaisha	
Street Address:	30-2, Shimomaruko 3-Chome, Ohta-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	146-8501	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16685023

CORRESPONDENCE DATA

Fax Number: (949)932-3577

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: +81-3-5732-8698 prj-epas@mail.canon Email:

CANON KABUSHIKI KAISHA **Correspondent Name:**

Address Line 1: 30-2, SHIMOMARUKO 3-CHOME, OHTA-KU

Address Line 4: TOKYO, JAPAN 146-8501

ATTORNEY DOCKET NUMBER:	10191573US01
NAME OF SUBMITTER:	KIMIKA SAKURAI
SIGNATURE:	/Kimika Sakurai/
DATE SIGNED:	02/28/2020

Total Attachments: 4

PATENT REEL: 051957 FRAME: 0571

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> PATENT REEL: 051957 FRAME: 0572

ASSIGNMENT

Tsunenori Ashibe

Katsuhiro Watanabe

Shunsuke Kuboyama

Hidehiko Fujimura

Hiroyuki Morimoto

Toshiji Nishiguchi

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

DISPLAY DEVICE AND DISPLAY METHOD

FOR VALUE RECEIVED, I/WE

and described in an application for Letters Patent of the United States executed by me/us, and filed on November 15, 2019 as United States Application No. 16/685023 or as PCT 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.

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 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.

Page 1 of 2

AND I/we hereby covenant 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 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.

By: <u>Isunenori</u> Ashibe	Date: Dec. 24, 2019
Tsunenori Ashibe	
By: Hidehiko Fujimura	Date: Dec. 24,2019
Hidehiko Fujimura	•
By:	Date:
By:Katsuhiro Watanabe	
By: Niroyuki Morimoto Hiroyuki Morimoto	Date: Jan, 6, 2020
Hiroyuki Morimoto	0
By: Shunsuke kultayama	Date: Dec, 24, 2019
Shunsuke Kuboyama	
By: Joshiji Nishiguchi Toshiji Nishiguchi	Date: Dec - 25, 20/9
Toshiji Nishiguchi	
Ву:	Date:
Ву:	Date:
	bacc.
Ву:	Date:
Бу	DALC.
D. c	Date:
Ву:	Date.

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

Tsunenori Ashibe	Hidehiko Fujimura
Katsuhiro Watanabe	Hiroyuki Morimoto
Shunsuke Kuboyama	Toshiji Nishiguchi

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

DISPLAY DEVICE AND DISPLAY METHOD

and described in an application for Letters Patent of the United States executed by me/us, and filed on November 15, 2019 as United States Application No. 16/685023 or as PCT 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.

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 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.

Page 1 of 2

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AND I/we hereby covenant 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.

By:_		Date:
_	Tsunenori Ashibe	
Ву:_	Hidehiko Fujimura	Date:
By:_	Katsuhiro Watanabe	oke Date: January, 25, 2020
Ву:_	Hiroyuki Morimoto	Date:
By:_	Shunsuke Kuboyama	Date:
Ву:_	Toshiji Nishiguchi	Date:
Ву:_		Date:
By:_		Date:
Ву: <u>_</u>		Date:
By:_		Date: