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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUICHI KAZUE	09/13/2017
TAKAHIRO HACHISU	09/13/2017
HIDEMASA OSHIGE	09/13/2017

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:	15711589

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 10175246US01		
NAME OF SUBMITTER:	KOZUE TANO	
SIGNATURE:	/Kozue Tano/	
DATE SIGNED:	12/12/2017	

Total Attachments: 2

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> **PATENT** REEL: 044836 FRAME: 0212 504682130

ASSIGNMENT

Yuichi Kazue	Takahiro Hachisu
Hidemasa Oshige	
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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

METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

and described in an application for Letters Patent of the United States executed by me/us, and

filed on

as United States Application No.

Œ.

as PCT International Application No.

FOR VALUE RECEIVED. I/WE

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 L/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 Assignce or to such nominees as it may designate.

AND I/we authorize and empower the said Assignce 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 decemed 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 Assignce 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 herceforth be substituted for it.

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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 bereby 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 caths 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: Yuishi Kogue Yuichi Kazue	Date: September 13, 2017
By: <u>Takshor& Hachis</u> M Takahiro Hachisu	pare: <u>Neptember 13.20</u> 1
By: Hidemasa Oshige Hidemasa Oshige	Date: September 13, 2017
By:	Date:
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