PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOMOHIRO YAMANAKA	03/16/2020
YOICHI MAKIMOTO	03/16/2020

RECEIVING PARTY DATA

Name:	SANSHA ELECTRIC MANUFACTURING CO., LTD.	
Street Address:	3-1-56, NISHIAWAJI, HIGASHIYODOGAWA-KU	
Internal Address:	OSAKA-SHI	
City:	OSAKA	
State/Country:	JAPAN	
Postal Code:	533-0031	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29728654

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	3151-020
NAME OF SUBMITTER:	LUKE A. KILYK
SIGNATURE:	/luke a kilyk/
DATE SIGNED:	03/20/2020

Total Attachments: 2

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> **PATENT** REEL: 052173 FRAME: 0247

505976829

SOLE/JOINT INVENTION

ASSIGNMENT

Semiconductor device

(Worldwide Rights)

WHEREAS WE/I, the below named inventor(s) [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which We/I filed an application for United States Letters patent on _______, as U.S. Patent Application No.

WHEREAS, Sansha Electric Manufacturing Co., Ltd. of JAPAN, whose post office address is 3-1-56. Nishiawaji, Higashiyodogawa-ku, Osaka-shi Osaka 533-0031, Japan (hereby referred to as Assignee), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, We/I, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, any applications claiming priority or benefit to this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We/I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE/I HEREBY covenant that We/I have the full right to convey the interest assigned by this Assignment, and We/I have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE/I HEREBY further covenant and agree that We/I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us/me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We/I have hereunto set our hands.

FULL NAME OF INVENTOR: YAMANAKA Tomohiro

Address: c/o Sansha Electric Manufacturing Co., Ltd.,

3-1-56, Nishiawaji, Higashiyodogawa-ku, Osaka-

shi Osaka 533-0031, Japan

Signature: YAMANAKA Tomohiro

Date: March 16,2020

Date:

RECORDED: 03/20/2020

SOLE/JOINT INVENTION

ASSIGNMENT

(Worldwide Rights)

WHEREAS WE/I, the below named inventor(s) [hereinafter referred to as Assignor(s)], have made an invention entitled:
Semiconductor device
for which We/I filed an application for United States Letters patent on, as U.S. Patent Application No, and
WHEREAS, Sansha Electric Manufacturing Co., Ltd. of JAPAN, whose post office address is 3-1-56, Nishiawaj Higashiyodogawa-ku, Osaka-shi Osaka 533-0031, Japan (hereby referred to as Assignee), are desirous of securing the entiright, title, and interest in and to this invention in all countries throughout the world, and in and to the application for Unite States Letters Patent on this invention and the Letters Patent to be issued upon this application;
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, We/I, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, any applications claiming priority or benefit to this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We/I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;
AND, WE/I HEREBY covenant that We/I have the full right to convey the interest assigned by this Assignment, and We/I have not executed and will not execute any agreement in conflict with this Assignment;
AND, WE/I HEREBY further covenant and agree that We/I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us/me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.
IN TESTIMONY WHEREOF, We/I have hereunto set our hands.
FULL NAME OF INVENTOR: MAKIMOTO Yoichi
Address: c/o Sansha Electric Manufacturing Co., Ltd., 3-1-56, Nishiawaji, Higashiyodogawa-ku, Osaka- shi Osaka 533-0031, Japan
Signature: Y Maki +

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