

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAZUHIKO FUSE	11/12/2018
HIKARU KAWARAZAKI	11/12/2018
HIDEAKI TANIMURA	12/19/2018
SHINICHI KATO	11/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SCREEN HOLDINGS CO., LTD.
<b>Street Address:</b>	TENJINKITA-MACHI 1-1, TERANOUCI-AGARU 4-CHOME
<b>Internal Address:</b>	HORIKAWA-DORI, KAMIGYO-KU, KYOTO-SHI
<b>City:</b>	KYOTO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	602-8585
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16232698
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)756-8087
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<b>Correspondent Name:</b>	TOMOKI TANIDA
<b>Address Line 1:</b>	MCDERMOTT WILL & EMERY LLP
<b>Address Line 2:</b>	500 NORTH CAPITOL STREET, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001
<b>ATTORNEY DOCKET NUMBER:</b>	050099-0524
<b>NAME OF SUBMITTER:</b>	RENELL FEIMSTER FOR TOMOKI TANIDA
<b>SIGNATURE:</b>	/Renell Feimster for Tomoki Tanida/
<b>DATE SIGNED:</b>	01/04/2019
<b>Total Attachments: 4</b>	

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source=Assignment#page4.tif

Attorney Docket No.: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, Kazuhiko FUSE, Hikaru KAWARAZAKI, Hideaki TANIMURA and Shinichi KATO, all of c/o SCREEN Semiconductor Solutions Co., Ltd., Tenjinkita-machi 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto-shi, Kyoto 602-8585, Japan, hereinafter called the "Assignor," has invented a new and useful invention entitled HEAT TREATMENT METHOD FOR DOPANT INTRODUCTION, for which he has:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on \_\_\_\_\_; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, SCREEN Holdings Co., Ltd., a corporation organized and existing under the laws of JAPAN, having a place of business at: Tenjinkita-machi 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto-shi, Kyoto 602-8585, Japan, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignor has hereunto set his hands and affixed his seal.

Date: 11 / 12 / 2018  
(Seal)

Kazuhiko Fuse  
Kazuhiko FUSE

Date: 11 / 12 / 2018  
(Seal)

Hikaru Kawarazaki  
Hikaru KAWARAZAKI

Date: \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Hideaki TANIMURA

Date: 11 / 12 / 2018  
(Seal)

Shinichi Kato  
Shinichi KATO

Attorney Docket No.: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, Kazuhiko FUSE, Hikaru KAWARAZAKI, Hideaki TANIMURA and Shinichi KATO, all of c/o SCREEN Semiconductor Solutions Co., Ltd., Tenjinkita-machi 1-1, Teranouchi-agaru 4-chome, Horikawa-dori, Kamigyo-ku, Kyoto-shi, Kyoto 602-8585, Japan, hereinafter called the "Assignor," has invented a new and useful invention entitled HEAT TREATMENT METHOD FOR DOPANT INTRODUCTION, for which he has:

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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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IN TESTIMONY WHEREOF, the said Assignor has hereunto set his hands and affixed his seal.

Date: \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Kazuhiko FUSE

Date: \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Hikaru KAWARAZAKI

Date: 19/12/2018  
(Seal)

Hideaki Tanimura  
\_\_\_\_\_  
Hideaki TANIMURA

Date: \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Shinichi KATO