

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5190081

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAKOTO FUKUSHIMA	03/30/2015
HOZUMI YASUDA	03/30/2015
KEISUKE NAMIKI	03/30/2015
OSAMU NABEYA	03/30/2015
SHINGO TOGASHI	03/30/2015
SATORU YAMAKI	03/30/2015
SHINTARO ISONO	03/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EBARA CORPORATION
<b>Street Address:</b>	11-1, HANEDA ASAHI-CHO, OHTA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15402703
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)568-3439
<i>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.</i>	
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<b>Email:</b>	Assignments@bakerlaw.com
<b>Correspondent Name:</b>	BAKER & HOSTETLER LLP
<b>Address Line 1:</b>	2929 ARCH STREET
<b>Address Line 2:</b>	CIRA CENTRE, 12TH FLOOR
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104-2891
<b>ATTORNEY DOCKET NUMBER:</b>	101716.000146
<b>NAME OF SUBMITTER:</b>	DEBORAH WHIPPLE
<b>SIGNATURE:</b>	/Deborah Whipple/
<b>DATE SIGNED:</b>	10/16/2018

**Total Attachments: 14**

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**ASSIGNMENT**

WHEREAS, I, Makoto FUKUSHIMA, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.



Signature (Makoto FUKUSHIMA)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City)

(Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full

residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on March 25, 2015.

\_\_\_\_\_  
/Michael J. Swope/

Name of Attorney: Michael J. Swope

Registration No.: 38,041

Date of Insertion: April 7, 2015

**ASSIGNMENT**

WHEREAS, I, Hozumi YASUDA, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Hozumi Yasuda  
Signature (Hozumi YASUDA)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City) (Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full  
residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the  
\_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the  
person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on  
March 25, 2015.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: April 7, 2015

**ASSIGNMENT**

WHEREAS, I, Keisuke NAMIKI, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Keisuke Namiki

Signature (Keisuke NAMIKI)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City)

(Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full

residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on March 25, 2015.

\_\_\_\_\_  
/Michael J. Swope/

Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: April 7, 2015



**ASSIGNMENT**

WHEREAS, I, Osamu NABEYA, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Osamu Nabeya  
Signature (Osamu NABEYA)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City) (Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full

residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on March 25, 2015.

/Michael J. Swope/

Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: April 7, 2015

**ASSIGNMENT**

WHEREAS, I, Shingo TOGASHI, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

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AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Shingo Togashi  
Signature (Shingo TOGASHI)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City) (Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full  
residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the  
\_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the  
person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on  
March 25, 2015.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: April 7, 2015

**ASSIGNMENT**

WHEREAS, I, Satoru YAMAKI, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

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DOCKET NO.: 101716.000103

the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Satoru Yamaki

Signature (Satoru YAMAKI)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City)

(Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full

residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on March 25, 2015.

/Michael J. Swope/

Name of Attorney: Michael J. Swope

Registration No.: 38,041

Date of Insertion: April 7, 2015

**ASSIGNMENT**

WHEREAS, I, Shintaro ISONO, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101716.000103 ("the invention"), which is entitled "ELASTIC MEMBRANE, SUBSTRATE HOLDING APPARATUS, AND POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2014-066999 filed March 27, 2014 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

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the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 30th day of March, year of 2015.

Shintaro Isono

Signature (Shintaro ISONO)

\*\*\*\*\*

**STATEMENT OF WITNESS**

SIGNED at \_\_\_\_\_

(City)

(Country)

This \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_.

I, \_\_\_\_\_ whose full

residence address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ execute the above assignment on the \_\_\_\_\_ day of \_\_\_\_\_, 201\_\_, and such assignor is personally known to me to be the person described in such document.

\_\_\_\_\_  
Signature of Witness

\*\*\*\*\*

The foregoing assignment covers patent application number 14/668,844, filed on March 25, 2015.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: April 7, 2015