

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT2886922

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KOHTARO KAWAMURA	05/26/2014
TOYOJI SHINOHARA	05/26/2014
TETSURO SUGIURA	05/26/2014
HIDEO ARAI	05/26/2014
TAKASHI KYOTANI	05/26/2014
TOSHIHARU NAKAZAWA	05/26/2014
KEIICHI ISHIKAWA	05/26/2014
SEIJI KASHIWAGI	05/26/2014
YASUHIKO SUZUKI	05/26/2014
<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:	14284305
<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>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104-2891
<b>ATTORNEY DOCKET NUMBER:</b>	101716.000074
<b>NAME OF SUBMITTER:</b>	ROZELL PRICE FISCHER
<b>SIGNATURE:</b>	/Rozell Price Fischer/

PATENT

**DATE SIGNED:**

06/05/2014

**Total Attachments: 18**

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source=101716-000074\_Assignments#page17.tif  
source=101716-000074\_Assignments#page18.tif

**ASSIGNMENT**

WHEREAS, I, Kohtaro KAWAMURA, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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

DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

Kohtaro Kawamura  
Signature (Kohtaro KAWAMURA)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Toyoji SHINOHARA, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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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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

DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

Toyoji Shinohara  
Signature (Toyoji SHINOHARA)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Tetsuro SUGIURA, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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

DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

Tetsuro Sugiura  
Signature (Tetsuro SUGIURA)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014



**ASSIGNMENT**

WHEREAS, I, Hideo ARAI, 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 101716.000074 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 ("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.: 101716.000074

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 26th day of May, year of 2014.

Hideo Arai  
Signature (Hideo ARAI)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Takashi KYOTANI, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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:

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DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

*Takashi Kyotani*

Signature (Takashi KYOTANI)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Toshiharu NAKAZAWA, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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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IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 26th day of May, year of 2014.

Toshiharu Nakazawa  
Signature (Toshiharu NAKAZAWA)

\*\*\*\*\*

**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

\*\*\*\*\*

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\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Keiichi ISHIKAWA, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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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IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 26th day of May, year of 2014.

Keiichi Ishikawa  
Signature (Keiichi ISHIKAWA)

\*\*\*\*\*

**STATEMENT OF WITNESS**

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

(City) \_\_\_\_\_ (Country) \_\_\_\_\_

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

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\_\_\_\_\_

Signature of Witness

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/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014



**ASSIGNMENT**

WHEREAS, I, Seiji KASHIWAGI, 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 101716.000074 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 ("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

DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

Seiji Kashiwagi

Signature (Seiji KASHIWAGI)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

\_\_\_\_\_  
/Michael J. Swope/  
Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014

**ASSIGNMENT**

WHEREAS, I, Yasuhiko SUZUKI, 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 101716.000074 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-109907 filed May 24, 2013 (“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

DOCKET NO.: 101716.000074

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 26th day of May, year of 2014.

Yasuhiko Suzuki

Signature (Yasuhiko SUZUKI)

\*\*\*\*\*

**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 14/284,305, filed on May 21, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope  
Registration No.: 38,041  
Date of Insertion: June 5, 2014