

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KOHTARO KAWAMURA	04/10/2014
TOYOJI SHINOHARA	04/10/2014
TETSURO SUGIURA	04/10/2014
HIDEO ARAI	03/19/2014
TAKASHI KYOTANI	03/18/2014
TOSHIHARU NAKAZAWA	04/10/2014
KEIICHI ISHIKAWA	04/10/2014
SEIJI KASHIWAGI	04/10/2014
YASUHIKO SUZUKI	04/10/2014
RECEIVING PARTY DATA	
Name:	EBARA CORPORATION
Street Address:	11-1, HANEDA ASAHI-CHO, OHTA-KU
City:	TOKYO
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14226741
CORRESPONDENCE DATA	
Fax Number:	(215)568-3439
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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Email:	RPRICEFISCHER@BAKERLAW.COM
Correspondent Name:	BAKER & HOSTETLER LLP
Address Line 1:	2929 ARCH STREET
Address Line 2:	CIRA CENTRE, 12TH FLOOR
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104-2891
ATTORNEY DOCKET NUMBER:	101716.000064
NAME OF SUBMITTER:	ROZELL PRICE FISCHER
SIGNATURE:	/ROZELL PRICE FISCHER/

PATENT

DATE SIGNED:	04/22/2014
Total Attachments: 18 source=101716-000064_Assignments#page1.tif source=101716-000064_Assignments#page2.tif source=101716-000064_Assignments#page3.tif source=101716-000064_Assignments#page4.tif source=101716-000064_Assignments#page5.tif source=101716-000064_Assignments#page6.tif source=101716-000064_Assignments#page7.tif source=101716-000064_Assignments#page8.tif source=101716-000064_Assignments#page9.tif source=101716-000064_Assignments#page10.tif source=101716-000064_Assignments#page11.tif source=101716-000064_Assignments#page12.tif source=101716-000064_Assignments#page13.tif source=101716-000064_Assignments#page14.tif source=101716-000064_Assignments#page15.tif source=101716-000064_Assignments#page16.tif source=101716-000064_Assignments#page17.tif source=101716-000064_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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 10th day of April, 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 14/226,741, filed on
March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 10th day of April, year of 2014.

Toyaji Shinozuka
Signature (Toyaji 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 14/226,741, filed on
March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 10th day of April, year of 2014.

T. 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 14/226,741, filed on
March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 19th day of March, 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 14/226,741, filed on March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 18th day of March, 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 14/226,741, filed on March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 (“the invention”), which is entitled “VACUUM PUMP WITH ABATEMENT FUNCTION” (“the subject application”), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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.: 101716.000064

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

Executed this 10th day of April, 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

The foregoing assignment covers patent application number 14/226,741, filed on March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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.: 101716.000064

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

Executed this 10th day of April, year of 2014.

Keiichi Ishikawa
Signature (Keiichi ISHIKAWA)

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 14/226,741, filed on March 26, 2014.

/Michael J. Swope/
Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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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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.

DOCKET NO.: 101716.000064

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

Executed this 10th day of April, 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 14/226,741, filed on
March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope

Registration No.: 38,041

Date of Insertion: April 22, 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 101716.000064 ("the invention"), which is entitled "VACUUM PUMP WITH ABATEMENT FUNCTION" ("the subject application"), and which claims priority to Japanese patent application number 2013-069730 filed March 28, 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 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.

DOCKET NO.: 101716.000064

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

Executed this 10th day of April, 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 14/226,741, filed on March 26, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope

Registration No.: 38,041

Date of Insertion: April 22, 2014