

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MASAO UMEMOTO</td> <td>02/07/2014</td> </tr> <tr> <td>TADAKAZU SONE</td> <td>02/07/2014</td> </tr> <tr> <td>RYUICHI KOSUGE</td> <td>02/07/2014</td> </tr> <tr> <td>HIDEO AIZAWA</td> <td>02/07/2014</td> </tr> </tbody> </table>		Name	Execution Date	MASAO UMEMOTO	02/07/2014	TADAKAZU SONE	02/07/2014	RYUICHI KOSUGE	02/07/2014	HIDEO AIZAWA	02/07/2014
Name	Execution Date										
MASAO UMEMOTO	02/07/2014										
TADAKAZU SONE	02/07/2014										
RYUICHI KOSUGE	02/07/2014										
HIDEO AIZAWA	02/07/2014										
RECEIVING PARTY DATA											
Name:	EBARA CORPORATION										
Street Address:	11-1, HANEDA ASAHI-CHO, OHTA-KU										
City:	TOKYO										
State/Country:	JAPAN										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14167941</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14167941						
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Application Number:	14167941										
CORRESPONDENCE DATA											
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Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19104-2891										
ATTORNEY DOCKET NUMBER:	101716.000056										
NAME OF SUBMITTER:	ROZELL PRICE FISCHER										
Signature:	/Rozell Price Fischer/										

Date:

02/25/2014

Total Attachments: 8

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ASSIGNMENT

WHEREAS, I, Masao UMEMOTO, 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 101716.000056("the invention"), which is entitled "POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2013-017193 filed January 31, 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.: 101716.000056

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 7th day of February, year of 2014.

Masao Umemoto

Signature (Masao UMEMOTO)

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 14/167,941, filed on January 29, 2014.

/Michael J. Swope/

Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: January 24, 2014

ASSIGNMENT

WHEREAS, I, Tadakazu SONE, 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 101716.000056 ("the invention"), which is entitled "POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2013-017193 filed January 31, 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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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

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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 7th day of February, year of 2014.

Tadakazu Sone
Signature (Tadakazu SONE)

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 14/167,941, filed on January 29, 2014.

/Michael J. Swope/
Name of Attorney: Michael J. Swope
Registration No.: 38,041
Date of Insertion: January 24, 2014

ASSIGNMENT

WHEREAS, I, Ryuichi KOSUGE, 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 101716.000056 ("the invention"), which is entitled "POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2013-017193 filed January 31, 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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IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 7th day of February, year of 2014.

Ryuichi Kosuge
Signature (Ryuichi KOSUGE)

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: January 24, 2014

ASSIGNMENT

WHEREAS, I, Hideo AIZAWA, 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 101716.000056("the invention"), which is entitled "POLISHING APPARATUS" ("the subject application"), and which claims priority to Japanese patent application number 2013-017193 filed January 31, 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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Hideo Aizawa
Signature (Hideo AIZAWA)

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(City) _____ (Country) _____

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