

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xinming Wang</td> <td>02/18/2011</td> </tr> <tr> <td>Fumitoshi Oikawa</td> <td>02/18/2011</td> </tr> <tr> <td>Haruko Ono</td> <td>02/18/2011</td> </tr> <tr> <td>Teruaki Hombo</td> <td>02/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Xinming Wang	02/18/2011	Fumitoshi Oikawa	02/18/2011	Haruko Ono	02/18/2011	Teruaki Hombo	02/18/2011
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Ebara Corporation</td> </tr> <tr> <td><b>Street Address:</b></td> <td>11-1, Haneda Asahi-cho, Ohta-ku</td> </tr> <tr> <td><b>City:</b></td> <td>Tokyo</td> </tr> <tr> <td><b>State/Country:</b></td> <td>JAPAN</td> </tr> </table>		<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		
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (202)721-8250</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2027218200</p> <p>Email: wlp@wenderoth.com</p> <p>Correspondent Name: Wenderoth, Lind &amp; Ponack, L.L.P.</p> <p>Address Line 1: 1030 15th Street, N.W.</p> <p>Address Line 2: Suite 400 East</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>											
<b>ATTORNEY DOCKET NUMBER:</b>	2011-0305A										
<b>NAME OF SUBMITTER:</b>	Patricia T. Hill										
<p>Total Attachments: 2</p> <p>source=ASSIGNMENT#page1.tif</p>											

OP \$40.00 13037487

**501452468**

**PATENT**  
**REEL: 025878 FRAME: 0403**



# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Xinming WANG, Fumitoshi OIKAWA, Haruko ONO and

Insert Name(s)  
of Inventor(s)

Teruaki HOMBO

Insert Name(s)  
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

EBARA CORPORATION

Address

of 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo, Japan

Title of  
Invention

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

METHOD AND APPARATUS FOR CLEANING SUBSTRATE

Date of  
Signing of  
Application

for which an application for patent in the United States has been executed by the undersigned

on February 18, 2011

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 1030 15<sup>th</sup> Street, N.W., Suite 400 East, Washington, D.C. 20005-1503, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

**PATENT**

**REEL: 025878 FRAME: 0405**

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date February 18, 2011, Name of Inventor Xinming Wang  
Xinming WANG  
Date February 18, 2011, Name of Inventor Fumitoshi Oikawa  
Fumitoshi OIKAWA  
Date February 18, 2011, Name of Inventor Naruko Ono  
Haruko ONO  
Date February 18, 2011, Name of Inventor Teruaki Hombo  
Teruaki HOMBO  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Masayoshi Inui  
Witness Satomi Hamada

#### ACKNOWLEDGMENT

\_\_\_\_\_  
} ss  
\_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_,  
before \_\_\_\_\_ me personally came the above-named  
\_\_\_\_\_ to me personally known as the individual(s) who executed the foregoing assignment, who  
did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set  
forth.

SEAL

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No.: \_\_\_\_\_ Filing Date: \_\_\_\_\_  
Applicant Reference Number: \_\_\_\_\_ Attorney Docket No.: \_\_\_\_\_  
Title of the Invention  
\_\_\_\_\_  
\_\_\_\_\_