

## PATENT ASSIGNMENT

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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>Masahiro HATAKEYAMA</td> <td>02/04/2008</td> </tr> <tr> <td>Shoji YOSHIKAWA</td> <td>02/04/2008</td> </tr> <tr> <td>Kenichi SUEMATSU</td> <td>02/04/2008</td> </tr> <tr> <td>Tsutomu KARIMATA</td> <td>02/04/2008</td> </tr> <tr> <td>Nobuharu NOJI</td> <td>02/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Masahiro HATAKEYAMA	02/04/2008	Shoji YOSHIKAWA	02/04/2008	Kenichi SUEMATSU	02/04/2008	Tsutomu KARIMATA	02/04/2008	Nobuharu NOJI	02/04/2008
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<table border="1"> <tr> <td>Name:</td> <td>EBARA CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>11-1, Haneda Asahi-cho, Ohta-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>144-8510</td> </tr> </table>		Name:	EBARA CORPORATION	Street Address:	11-1, Haneda Asahi-cho, Ohta-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	144-8510		
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CORRESPONDENCE DATA													
<p>Fax Number: 2028221111  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2028221100        Email: patentmail@whda.com        Correspondent Name: Westerman, Hattori, Daniels &amp; Adrian LLP        Address Line 1: 1250 Connecticut Ave., NW        Address Line 2: Suite 700        Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>													
ATTORNEY DOCKET NUMBER:	081155B												
NAME OF SUBMITTER:	Tsuyoshi Nakamura												
<p>Total Attachments: 1        source=081155B_Assignment_03_29_2013#page1.tif</p>													

OP \$40.00 13853418

**U.S. ASSIGNMENT**(Insert ASSIGNEE's  
Name(s) Address(es))

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by  
**EBARA CORPORATION of 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned  
 ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title  
 and interest to the invention entitled

(Title of Invention)

**DETECTOR AND INSPECTING APPARATUS**

(\*If the assignment is  
 being filed after the  
 filing of the  
 application, this  
 section must be  
 completed)

for which application for Letters Patent of the United States was executed on even date herewith  
 unless otherwise indicated below:

\* filed on \_\_\_\_\_ Serial No.

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial  
 number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any  
 continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for  
 which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any  
 continuation, divisional, reissue or reexamination applications thereof and also to execute separate  
 assignments in connection with such applications as the ASSIGNEE may deem necessary or  
 expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,  
 litigation, or other legal proceeding which may be declared concerning this application or any  
 continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued  
 thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing  
 evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Masahiro Hatakeyama</u> (Signature)	<u>Masahiro HATAKEYAMA</u> (Type Name)	<u>Feb. 4, 2008</u> (Date)
<u>Shoji Yoshikawa</u> (Signature)	<u>Shoji YOSHIKAWA</u> (Type Name)	<u>Feb. 4, 2008</u> (Date)
<u>Kenichi Suematsu</u> (Signature)	<u>Kenichi SUEMATSU</u> (Type Name)	<u>Feb. 4, 2008</u> (Date)
<u>Tsutomu Karimata</u> (Signature)	<u>Tsutomu KARIMATA</u> (Type Name)	<u>Feb. 4, 2008</u> (Date)
<u>Nobuharu Noji</u> (Signature)	<u>Nobuharu NOJI</u> (Type Name)	<u>Feb. 4, 2008</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED

**PATENT****RECORDED: 03/29/2013****REEL: 030117 FRAME: 0889**