

## 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>Kenji Kameda</td> <td>09/14/2012</td> </tr> <tr> <td>Yuji Urano</td> <td>09/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kenji Kameda	09/14/2012	Yuji Urano	09/14/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Hitachi Kokusai Electric Inc.</td> </tr> <tr> <td>Street Address:</td> <td>14-1, Sotokanda 4-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1018980</td> </tr> </table>		Name:	Hitachi Kokusai Electric Inc.	Street Address:	14-1, Sotokanda 4-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN	Postal Code:	1018980
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2155686499  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-568-6400        Email: KMiddleton@vklaw.com        Correspondent Name: Volpe and Koenig, P.C.        Address Line 1: 30 South 17th Street, United Plaza        Address Line 4: Philadelphia, PENNSYLVANIA 19103</p>											
ATTORNEY DOCKET NUMBER:	HITACHI13-21110132US01										
NAME OF SUBMITTER:	Daniel N. Calder										
<p>Total Attachments: 3        source=2110132US01_ExecutedAssignment_EFS#page1.tif        source=2110132US01_ExecutedAssignment_EFS#page2.tif        source=2110132US01_ExecutedAssignment_EFS#page3.tif</p>											

CH \$40.00 13616872

**ASSIGNMENT**

**KAMEDA, Kenji**, residing at 1, Yasuuchi 2-chome, Yatsuo-machi, Toyama-shi, TOYAMA 9392393, Japan, a citizen of Japan; and **URANO, Yuji**, residing at 1, Yasuuchi 2-chome, Yatsuo-machi, Toyama-shi, TOYAMA 9392393, Japan, a citizen of Japan (hereafter jointly and severally referred to as the undersigned), are the inventors of

**CLEANING METHOD, METHOD OF MANUFACTURING  
SEMICONDUCTOR DEVICE, SUBSTRATE PROCESSING APPARATUS  
AND RECORDING MEDIUM**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 13/616,872, filed September 14, 2012.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

**HITACHI KOKUSAI ELECTRIC INC.**, a corporation, having a principal place of business at 14-1, Sotokanda 4-chome, Chiyoda-ku, TOKYO 1018980, Japan (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 14<sup>th</sup> day of September, 2012  
at Toyama-shi, Japan.

Witness:

Ryuji Yamamoto

Kameda, Kenji (L.S.)  
KAMEDA, Kenji

(Although not mandatory, if possible,  
please subscribe appropriate notarization and obtain APOSTILLE)

EXECUTED under seal on this 14<sup>th</sup> day of September, 2012

at Toyama-shi, Japan.

Witness:

Ryuji Yamamoto

Urano, Yuji (L.S.)  
URANO, Yuji

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