PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Unryu Ogawa	10/06/2011
Masahisa Okuno	10/06/2011
Tokunobu Akao	10/06/2011
Shinji Yashima	10/06/2011
Atsushi Umekawa	10/06/2011
Kaichiro Minami	10/06/2011

RECEIVING PARTY DATA

Name:	Hitachi Kokusai Electric Inc.
Street Address:	14-1, Sotokanda 4-chome
Internal Address:	Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	1018980

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13240545

CORRESPONDENCE DATA

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Correspondent Name: Volpe and Koenig, P.C.
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PATENT

REEL: 027309 FRAME: 0860

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ATTORNEY DOCKET NUMBER:	HITACHI12-21010243US01
NAME OF SUBMITTER:	Daniel N. Calder
Total Attachments: 2 source=21010243US01_Assignment_EFS#page1.tif source=21010243US01_Assignment_EFS#page2.tif	

PATENT REEL: 027309 FRAME: 0861

ASSIGNMENT

Unryu Ogawa, Masahisa Okuno, Tokunobu Akao, Shinji Yashima, Atsushi				
Umekawa, Kaichiro Minami, residing at Toyama, Japan, citizens of Japan (hereafter the				
undersigned); are the inventor of				
Substrate Processing Apparatus and Method of Manufacturing Semiconductor Device for				
which the undersigned executed an application for United States Letters Patent, U.S. Patent				
Application No. 13/240,545 , filed September 22 , 2011.				
The undersigned hereby authorizes 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/an] company, 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, does 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 warrants that the rights and property herein conveyed are free and clear of				
any encumbrance.				
EXECUTED under seal on this 6th day of October, 2011				
at <u>Tokyo, Japan</u> .				
at 10ky0, Japan.				

PATENT REEL: 027309 FRAME: 0862

(Place)	
Witness:	
	Unryu Ogawa (L.S.)
	Masahisa Okuno (L.S.)
	Aleao Tokumbu (L.S.) Tokunobu Akao
	Shinji Yashima Shinji Yashima
	Atsushi Umekawa (L.S.) Atsushi Umekawa
	<u>Kaichiro Minami</u> (L.S.)

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