504004117 09/14/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKASHI NOGAMI	08/01/2016
TOMOSHI TANIYAMA	08/01/2016
KAZUMA YOSHIOKA	08/03/2016

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:	101-8980

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15263478

CORRESPONDENCE DATA

Fax Number: (215)568-6499

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 215-568-6400

Email: Igivigliano@vklaw.com

Correspondent Name: VOLPE AND KOENIG, P.C.

Address Line 1: UNITED PLAZA

Address Line 2:30 SOUTH 17TH STREET, 18TH FLOORAddress Line 4:PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	HITACHI12-21210055US01
NAME OF SUBMITTER:	DANIEL N. CALDER
SIGNATURE:	/Daniel N. Calder/
DATE SIGNED:	09/14/2016

Total Attachments: 8

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PATENT 504004117 REEL: 039731 FRAME: 0863

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PATENT REEL: 039731 FRAME: 0864

COMBINED DECLARATION AND ASSIGNMENT

With respect to the invention titled

SUBSTRATE PROCESSING APPARATUS

title

the undersigned has authorized the application attached hereto. If the application is
not attached hereto, the application is as identified by the attorney docket number as
set forth above and/or the following:

United States Application No.:______ filed on ______

I state and declare the following.

DECLARATION

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than 5 years, or both.

ASSIGNMENT

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.

Assignee	HITACHI KOKUSAI ELECTRIC INC.	
Assignee State or Country of Incorporation	Japan	
Assignee Address	14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1018980, Japan	

Assignee is desirous of acquiring the entire right, title and interest in the invention, all applications for and all letters patent issued on the 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 the 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 the 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.

Atty, Docket No. HITACHI12-21210055US01

This Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, the undersigned hereby authorizes our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	Takashi NOGAMI	
Inventor's Signature	Takashi nogami	
Date	Jakashi Nogami August 1, 2016	
Signed at	Toyama, Japan (City and Country)	
	GNATURE SHEET FOR RATION AND ASSIGNMENT	
Inventor's Name	Tomoshi TANIYAMA	
Inventor's Signature	Tomopi Tanzara	
Date	August 1 2016	
Signed at	Toyama, Japan (City and Country)	
	GNATURE SHEET FOR RATION AND ASSIGNMENT	
Inventor's Name	Kazuma YOSHIOKA	
Inventor's Signature		
Date		
Signed at	Toyama, Japan (City and Country)	

COMBINED DECLARATION AND ASSIGNMENT

With respect to the invention titled

SUBSTRATE PROCESSING APPARATUS

title

the undersigned has authorized the application	on attached hereto. If the application is
not attached hereto, the application is as iden	tified by the attorney docket number as
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United States Application No.:	_ filed on

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ASSIGNMENT

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.

Assignee	HITACHI KOKUSAI ELECTRIC INC.	
Assignee State or Country of Incorporation	Japan	
Assignee Address	14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1018980, Japan	

Assignee is desirous of acquiring the entire right, title and interest in the invention, all applications for and all letters patent issued on the invention.

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SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	Takashi NOGAMI	
Inventor's Signature		
Date		
Signed at	Toyama, Japan	
	(City and Country)	
Sı	IGNATURE SHEET FOR	
DECLA	ARATION AND ASSIGNMENT	
Inventor's Name	Tomoshi TANIYAMA	- 14
Inventor's Signature	· .	
Date		·····
Signed at	Toyama, Japan	
	(City and Country)	
St	GNATURE SHEET FOR	
-	ARATION AND ASSIGNMENT	
Inventor's Name	Kazuma YOSHIOKA	
Inventor's Signature	<u>Kazuna</u> Yoshioka	
Date	Kazuma Yoshioka Aug 3, 2016	
Signed at	Toyama, Japan	
	(City and Country)	