

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3674562

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NAOFUMI OHASHI	12/18/2015
TOSHIYUKI KIKUCHI	12/18/2015
SHUN MATSUI	12/18/2015
TADASHI TAKASAKI	12/18/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI KOKUSAI ELECTRIC INC.
<b>Street Address:</b>	14-1, SOTOKANDA 4-CHOME
<b>Internal Address:</b>	CHIYODA-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14979898
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)568-6499
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<b>Phone:</b>	215-568-6400
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<b>Correspondent Name:</b>	GERALD B. HALT, JR.
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<b>ATTORNEY DOCKET NUMBER:</b>	HITACHI12-0001677US01
<b>NAME OF SUBMITTER:</b>	GERALD B. HALT, JR.
<b>SIGNATURE:</b>	/Gerald B. Halt, Jr./
<b>DATE SIGNED:</b>	12/29/2015
<b>Total Attachments: 5</b>	
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**COMBINED DECLARATION AND ASSIGNMENT**

With respect to the invention titled

METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE,

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.: 14/979,898 filed on December 28, 2015

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

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. HITACHI12-0001677US01

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 Naofumi OHASHI  
Inventor's Signature Naofumi Ohashi  
Date December 18, 2015.  
Signed at Toyama, Japan  
(City and Country)

**SUPPLEMENTAL SHEET FOR  
DECLARATION AND ASSIGNMENT**

Inventor's Name Toshiyuki KIKUCHI  
Inventor's Signature Toshiyuki Kikuchi  
Date December 18, 2015  
Signed at Toyama, Japan  
(City and Country)

**SUPPLEMENTAL SHEET FOR  
DECLARATION AND ASSIGNMENT**

Inventor's Name Shun MATSUI  
Inventor's Signature Shun Matsui  
Date December 18, 2015  
Signed at Toyama, Japan  
(City and Country)

Atty. Docket No. HITACHI12-0001677US01

**SUPPLEMENTAL SHEET FOR  
DECLARATION AND ASSIGNMENT**

Inventor's Name Tadashi TAKASAKI

Inventor's Signature Tadashi Takasaki

Date December 18, 2015

Signed at Toyama, Japan  
(City and Country)