

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TSUYOSHI TAKEDA	04/12/2018
NAOFUMI OHASHI	04/12/2018
TOSHIYUKI KIKUCHI	04/12/2018
RECEIVING PARTY DATA	
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Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	105-8039
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15965457
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ATTORNEY DOCKET NUMBER:	HITACHI12-0002406US01
NAME OF SUBMITTER:	GERALD B. HALT, JR.
SIGNATURE:	/Gerald B. Halt, Jr./
DATE SIGNED:	05/11/2018
Total Attachments: 4	
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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.: _____ 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	<u>HITACHI KOKUSAI ELECTRIC INC.</u>
Assignee State or Country of Incorporation	<u>Japan</u>
Assignee Address	<u>15-12, Nishi-shimbashi 2-chome, Minato-ku, Tokyo 1058039, 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. HITACHI12-0002406US01

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 Tsuyoshi TAKEDA
Inventor's Signature 竹田 剛
Date April 12, 2018
Signed at Toyama, Japan
(City and Country)

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Naofumi OHASHI
Inventor's Signature Naofumi Ohashi
Date April 12, 2018.
Signed at Toyama, Japan
(City and Country)

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Toshiyuki KIKUCHI
Inventor's Signature Toshiyuki Kikuchi
Date April 12, 2018
Signed at Toyama, Japan
(City and Country)