505967587 03/13/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6014294

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOTOMU DEGAI	03/05/2020
HIROSHI ASHIHARA	03/05/2020

RECEIVING PARTY DATA

Name:	KOKUSAI ELECTRIC CORPORATION	
Street Address:	reet Address: 3-4, KANDAKAJI-CHO	
Internal Address:	CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	101-0045	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16818865

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: SPADILLA@VKLAW.COM Correspondent Name: VOLPE AND KOENIG, P.C.

Address Line 1: 30 SOUTH 17TH STREET, 18TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER: HITACHI13-0002131US01	
NAME OF SUBMITTER:	GERALD B. HALT, JR.
SIGNATURE:	/GERALD B. HALT, JR./
DATE SIGNED:	03/13/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=HITACHI13_0002131US01_Assignment_Declaration_EFS#page1.tif source=HITACHI13 0002131US01 Assignment Declaration EFS#page2.tif source=HITACHI13 0002131US01 Assignment Declaration EFS#page3.tif

PATENT REEL: 052113 FRAME: 0463 505967587

 $source = HITACHI13_0002131US01_Assignment_Declaration_EFS\#page4.tif$

PATENT REEL: 052113 FRAME: 0464

ASSIGNMENT AND DECLARATION

With respect to the invention titled

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

for which the undersign	ned has authorized or prepared an application for United
States Letters Patent, I	J.S. Patent Application No, filed on,
I (the undersigne	d) hereby state the following.
	DECLARATION
The above identif	ied application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of	
claimed invention in the	e application.
I have reviewed	and understand the contents of the above identified
application, including th	ne claims.
I acknowledge (he duty to disclose information which is material to
patentability as defined	in Title 37, Code of Federal Regulations § 1.56.
	vledge that any willful false statement made in this e under 18 U.S.C. 1001 by fine or imprisonment of not more
than 5 years, or both.	
The undersigned	ASSIGNMENT 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	KOKUSAI ELECTRIC CORPORATION
Assignce State or Country of Incorporation	Japan
Assignee Address	3-4, Kandakaji-cho, Chiyoda-ku

1

Tokyo 1010045, Japan

Atty. Docket No.

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.

AND 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	DEGAI, Motomu
Inventor's Signature	Motoma Degos
Date	Mar. 5, 2020
Signed at	Toyama-shi, Japan
* .\$	(City and Country)
STATEME	NT OF WITNESS (optional):
	Name of Witness
was perso	nally present and did seeDEGAI, Motomu
	inventor identified above
execute th	nis Assignment on and such Assignor is personally known date
to me to b	e the person described herein.
Witness Signature	
must accom	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, apany this form. Use a separate form for each inventor; or check the box below and e attached page(s) to list additional inventors.
* Additions	I inventors are being named on the <u>1</u> supplemental sheet(s) attached hereto.

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	ASHIHARA, Hiroshi
Inventor's Signature	Kirochi adrihana
Date	March 5 , 2020
Signed at	Toyama-shi, Japan
	(City and Country)
STATEME	NT OF WITNESS (optional):
	Name of Witness
was persor	ually present and did see ASHIHARA, Hiroshi
	inventor identified above
execute th	is Assignment on and such Assignor is personally known
to me to be	the person described herein.
Witness Signature	

.

PATENT REEL: 052113 FRAME: 0468