507831731 03/31/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT7878868**

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOEI KURIBAYASHI	01/18/2021
ARITO OGAWA	01/18/2021
ATSURO SEINO	01/18/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18194026

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: 2155686400

Email: jchilson@vklaw.com, japan@vklaw.com

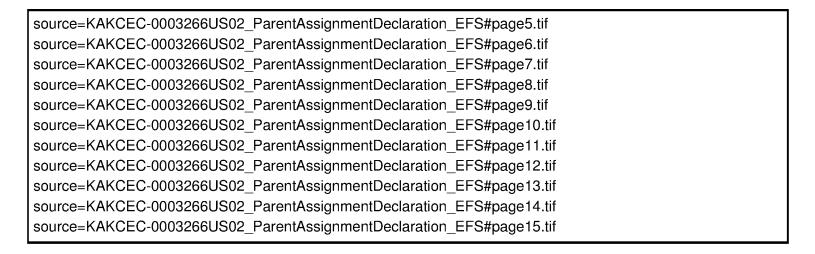
Correspondent Name: VOLPE KOENIG

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

ATTORNEY DOCKET NUMBER:	KACKEC-0003266US02
NAME OF SUBMITTER: BRANDON R. THEISS	
SIGNATURE: /Brandon R. Theiss/	
DATE SIGNED:	03/31/2023

Total Attachments: 15

source=KAKCEC-0003266US02_ParentAssignmentDeclaration_EFS#page1.tif source=KAKCEC-0003266US02_ParentAssignmentDeclaration_EFS#page2.tif source=KAKCEC-0003266US02_ParentAssignmentDeclaration_EFS#page3.tif source=KAKCEC-0003266US02 ParentAssignmentDeclaration EFS#page4.tif



ASSIGNMENT AND DECLARATION

With respect to the invention titled

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

for which the undersign	ned has authorized or prepared an application for United		
States Letters Patent, U	J.S. Patent Application No, filed on,		
I (the undersigne	d) hereby state the following.		
	DECLARATION		
The above-identif	fied application was made or authorized to be made by me.		
I believe that I a	I believe that I am the original inventor or an original joint inventor of a		
claimed invention in the	e application.		
I have reviewed and understand the contents of the above-identified			
application, including the claims.			
I acknowledge t	the duty to disclose information which is material to		
patentability as defined	in Title 37, Code of Federal Regulations § 1.56.		
I hereby acknow	wledge 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.			
	A gazana enn m		
The undersioned	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		
Assignee State or Country of Incorporation	Japan		
Assignee Address	3-4, Kandakaji-cho, Chiyoda-ku,		

PATENT REEL: 063193 FRAME: 0265

Tokyo 1010045, 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.

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.

2

SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	KURIBAYASHI, Koci	
Inventor's Signature	/ Koci Kuribayashi /	
Date	January 18, 2021	
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (optional):	
	I,Name of Witness	
was pers	onally present and did see KURIBAYASHI, Koei inventor identified above	
execute t	this Assignment on and such Assignor is personal date	sonally known
to me to	be the person described herein.	
Witness Signature		_
must acco	ntion data sheet (PTO/SB/14 or equivalent), including naming the entire investigation that the second state of the attached page(s) to list additional inventors.	· ·

3

lacksquare Additional inventors are being named on the $\underline{2}$ supplemental sheet(s) attached hereto.

Inventor's Name	OGAWA, Arito	
Inventor's Signature		
Date		
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (options	al):
	I,	
		Name of Witness
was pers	onally present and did see	OGAWA, Arito
		inventor identified above
execute t	this Assignment on	and such Assignor is personally know.
to me to	be the person described her	ein.
Witness Signature		

Inventor's Name	SEINO, Atsuro	
Inventor's Signature		
Date		
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (options	al):
	I,	
		Name of Witness
was pers	onally present and did see	SEINO, Atsuro
		inventor identified above
execute t	his Assignment on	and such Assignor is personally known
to me to	be the person described her	ein.
Witness Signature		

ASSIGNMENT AND DECLARATION

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States Letters Patent, U	J.S. Patent Application No, filed on,
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	DECLARATION
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I believe that I a	am the original inventor or an original joint inventor of a
claimed invention in the	e application.
I have reviewed	d and understand the contents of the above-identified
application, including the	ne claims.
I acknowledge	the duty to disclose information which is material to
patentability as defined	in Title 37, Code of Federal Regulations § 1.56.
_	wledge that any willful false statement made in this le under 18 U.S.C. 1001 by fine or imprisonment of not more
J ,	A
The undersigned	ASSIGNMENT hereby authorizes assignee or assignee's representative to
	Number and the filing date of this application if they are
	execution of this assignment.
Assignee	KOKUSAI ELECTRIC CORPORATION
Assignee State or Country of Incorporation	Japan
Assignee Address	3-4, Kandakaji-cho, Chiyoda-ku,
	Tokyo 1010045, Japan

1

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.

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2

SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	KURIBAYASHI, Koei		
Inventor's Signature		/	
Date			
Signed at	Toyama-shi, Japan		
	(City and Country)		-
STATEM	ENT OF WITNESS (optional	() :	
	Ι,	Name of Witness	
was pers	sonally present and did see		
	1	inventor identified above	
execute t	this Assignment on	and such Assignor is pers	sonally known
	da	ate	
to me to	be the person described herei	in.	
Witness Signature			_
must acco	_	nivalent), including naming the entire inverted form for each inventor; or check the boat al inventors.	•

3

 \blacksquare Additional inventors are being named on the $\underline{\ 2\ }$ supplemental sheet(s) attached hereto.

Inventor's Name	OGAWA, Arito	
Inventor's Signature	/ Arito Ogawa	
Date	January 18, 2021	
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (option	al):
	I,	
		Name of Witness
was pers	sonally present and did see	OGAWA, Arito
		inventor identified above
execute t	this Assignment on	and such Assignor is personally knowndate
to me to	be the person described her	ein.
Witness Signature		

Inventor's Name	SEINO, Atsuro	
Inventor's Signature		
Date		
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (options	al):
	I,	
		Name of Witness
was pers	onally present and did see	SEINO, Atsuro
		inventor identified above
execute t	this Assignment on	and such Assignor is personally known
to me to	be the person described her	ein.
Witness Signature		

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States Letters Patent, U.S. Patent Application No, filed on					
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DECLARATION					
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I believe that I am the original inventor or an original joint inventor of					
claimed invention in the application.					
I have reviewed and understand the contents of the above-identifie					
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I acknowledge the duty to disclose information which is material					
patentability as defined in Title 37, Code of Federal Regulations § 1.56.					
I hereby acknowledge that any willful false statement made in the 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					
nsert the Application Number and the filing date of this application if they are					
unknown at the time of execution of this assignment.					
ssignee KOKUSAI ELECTRIC CORPORATION					
Ssignee State or Country Incorporation Japan					
ssignee Address 3-4, Kandakaji-cho, Chiyoda-ku,					

PATENT REEL: 063193 FRAME: 0275

Tokyo 1010045, 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.

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SIGNATURE SHEET FOR DECLARATION AND ASSIGNMENT

Inventor's Name	KURIBAYASHI, Koei	
Inventor's Signature		
Date		
Signed at	Toyama-shi, Japan	
	(City and Country)	-
STATEM	ENT OF WITNESS (optional):	
	I,Name of Witness	
was pers	onally present and did see KURIBAYASHI, Koei	
	inventor identified above	
execute t	this Assignment on and such Assignor is personal date	sonally known
to me to	be the person described herein.	
Witness Signature		_
must accor	tion data sheet (PTO/SB/14 or equivalent), including naming the entire inventance that the bound of the second of	· ·

3

lacksquare Additional inventors are being named on the $\underline{2}$ supplemental sheet(s) attached hereto.

Inventor's Name	OGAWA, Arito	
Inventor's Signature		
Date		
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (options	al):
	Ι,	
		Name of Witness
was pers	onally present and did see	OGAWA, Arito
		inventor identified above
execute t	this Assignment on	and such Assignor is personally known
to me to	be the person described her	ein.
Witness Signature		

Inventor's Name	SEINO, Atsuro	
Inventor's Signature	/ Atsuro Seino	
Date	January 18, 2021	
Signed at	Toyama-shi, Japan	
	(City and Country)	
STATEM	ENT OF WITNESS (options	al):
	I,	Name of Witness
was pers	onally present and did see	SEINO, Atsuro
		inventor identified above
execute 1	this Assignment on	and such Assignor is personally known
to me to	be the person described her	ein.
Witness Signature		

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