

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6012537

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|---|----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MASANORI NAKAYAMA | 02/25/2020 |
| KATSUNORI FUNAKI | 02/25/2020 |
| TATSUSHI UEDA | 02/21/2020 |
| YASUTOSHI TSUBOTA | 02/25/2020 |
| YUICHIRO TAKESHIMA | 02/25/2020 |
| HIROTO IGAWA | 02/25/2020 |
| YUKI YAMAKADO | 02/21/2020 |
| RECEIVING PARTY DATA | |
| Name: | KOKUSAI ELECTRIC CORPORATION |
| Street 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: | 16817508 |
| CORRESPONDENCE DATA | |
| Fax Number: | (215)568-6499 |
| <i>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.</i> | |
| Phone: | 215-568-6400 |
| Email: | lgivigliano@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: | HITACHI13-0002538US01 |
| NAME OF SUBMITTER: | GERALD B. HALT, JR. |
| SIGNATURE: | /Gerald B. Halt, Jr./ |

| | |
|--------------|------------|
| DATE SIGNED: | 03/13/2020 |
|--------------|------------|

Total Attachments: 9

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ASSIGNMENT AND DECLARATION

With respect to the invention titled

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

for which the undersigned has authorized or prepared an application for United States Letters Patent, U.S. Patent Application No. _____, filed on _____,

I (the undersigned) hereby state 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>KOKUSAI ELECTRIC CORPORATION</u> |
| Assignee State or Country of Incorporation | <u>Japan</u> |
| Assignee Address | <u>3-4, Kandakaji-cho, Chiyoda-ku</u> |
| | <u>Tokyo 1010045, 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.

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 NAKAYAMA, Masanori

Inventor's Signature NAKAYAMA, Masanori

Date February 25, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see NAKAYAMA, Masanori
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

▪ Additional inventors are being named on the 6 supplemental sheet(s) attached hereto.

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name FUNAKI, Katsunori

Inventor's Signature FUNAKI, KATSUNORI

Date February 25, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see FUNAKI, Katsunori
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name UEDA, Tatsushi

Inventor's Signature UEDA, TATSUSHI

Date February 21, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see UEDA, Tatsushi
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's
Name TSUBOTA, Yasutoshi

Inventor's
Signature Y. Tsubota

Date February 25, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see TSUBOTA, Yasutoshi
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name TAKESHIMA, Yuichiro

Inventor's Signature TAKESHIMA, Yuichiro

Date February, 25, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see TAKESHIMA, Yuichiro
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name IGAWA, Hiroto

Inventor's Signature IGAWA, Hiroto

Date February 25, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see IGAWA, Hiroto
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name YAMAKADO, Yuki

Inventor's Signature YAMAKADO YUKI.

Date February 21, 2020

Signed at Toyama-shi, Japan
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see YAMAKADO, Yuki
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____