

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| TAKAHIRO YADA | 12/19/2019 |
| TSUKASA TAKAIWA | 12/19/2019 |
| RECEIVING PARTY DATA | |
| Name: | J-DEVICES CORPORATION |
| Street Address: | 1913-2 TAKEGASHITA FUKURA |
| City: | USUKI-SHI, OITA |
| State/Country: | JAPAN |
| Postal Code: | 875-0053 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16720686 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | C-020 |
| NAME OF SUBMITTER: | ANNIA JOHNSON |
| SIGNATURE: | /Annia Johnson/ |
| DATE SIGNED: | 12/19/2019 |
| Total Attachments: 4 | |
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ASSIGNMENT AND AGREEMENT

WHEREAS, each of:

Inventor: Takahiro YADA, a resident of Kumamoto, Japan;

Inventor: Tsukasa TAKAIWA, a resident of Kumamoto, Japan;

(each, an “**Assignor**”) is an inventor of inventions described and/or claimed in the patent application specified below:

Title: SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURING
SEMICONDUCTOR DEVICES

Attorney Docket Number: C-020

Patent Application Number: 16/720,686

Filing Date: December 19, 2019

(the “**Patent Application**”); and

WHEREAS, each Assignor wishes to assign and/or confirm the assignment to J-Devices Corporation, a Japan corporation, having a place of business at 1913-2, Takegashita Fukura, Usuki-shi, Oita, 875-0053, Japan (“**Assignee**”), all of Assignor’s right, title and interest in and to the Assigned Patent Rights (defined below) on the terms and subject to the conditions set forth herein.

1. For good and valuable consideration, the receipt and sufficiency of which are acknowledged, each Assignor hereby irrevocably sells, transfers, and assigns, and/or confirms the prior sale, assignment, transfer and conveyance unto Assignee, and Assignee hereby assumes and accepts, all of each Assignor’s worldwide rights, title, and interest in and to any and all: (a) the Patent Application and the inventions described and/or claimed therein; (b) registrations and applications for the foregoing, including without limitation, all provisional applications, continuation and continuation-in-part applications, continued prosecution applications, and substitute and divisional applications; all patents of addition of the foregoing; all continued examinations, re-examinations, inter-partes review and post-grant review certificates of the foregoing; all amendments, reissues, and extensions of the foregoing; all divisional, validations, supplementary perfection certifications and extensions of the foregoing; all patents or patent applications that claim priority to or from the foregoing; and all inventions claimed by any of the foregoing; (c) rights to claim priority to the foregoing under any conventions or treaties, including without limitation, any of the International Convention for the Protection of Industrial Property (“Paris Convention”), the Patent Cooperation Treaty (“PCT”), and applicable bilateral or multilateral treaties; (d) rights to request, apply for, file and register the foregoing; (e) patents issuing from any of the foregoing; (f) defenses relating to or arising from any of the foregoing, and all rights of action relating to or arising from the foregoing, including without limitation, all claims for damages by reason of present, past and future infringement or violation of the foregoing and all present, past and future rights to sue and collect damages or seek injunctive relief for any such infringement or violation of the foregoing; and (g) income, royalties and any other payments now and hereafter due and/or payable to each Assignor in respect of the foregoing, in each case of (a) – (g), to be held and enjoyed by Assignee for its own use and benefit and for its successors and assigns as the same would have been held as fully and entirely by each Assignor had this assignment not been made (collectively, the “**Assigned Patent Rights**”).

2. Each Assignor hereby authorizes and requests authorities including, without limitation, an official of the United States Patent and Trademark Office, an official of any non-U.S. governmental patent office and an official of any intergovernmental organization, whose duty is to issue registrations, documents, or other evidence or forms of intellectual property and/or industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors, legal representatives and assigns for the Patent Application.

3. Each Assignor shall promptly execute and deliver such documents, and do and perform all acts and things, and provide other assistance, as Assignee, its successors, legal representatives and/or assigns may reasonably request, including without limitation, prompt production of pertinent facts and documents in its possession or under its control, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers to: (a) give effect to, document and record, perfect and enforce the Assigned Patent Rights; (b) perfect all right, title and interest herein conveyed; (c) prosecute any applications herein conveyed; (d) file and prosecute applications, including without limitation, substitute, divisional, continuing, reissue or additional applications covering any inventions herein conveyed; (e) support interference or other priority proceedings involving any of the Assigned Patent Rights; and (f) support legal proceedings involving any of the Assigned Patent Rights, including without limitation, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided however, that the expense incurred by each Assignor in providing such cooperation shall be paid for by Assignee.

4. Each Assignor hereby authorizes and requests the legal representatives of Assignee to insert in this assignment the filing date and application number of the Patent Application after such application number is generated.

5. Each Assignor represents and warrants that no assignment, sale, license, agreement or encumbrance has been or will be entered into by him/her that would conflict with the sale, assignment, transfer and conveyance unto Assignee herein.

6. In the event the Assignee is unable to secure each Assignor's signature on any document necessary to apply for, assign, establish, prosecute, obtain, or enforce any patents, applications, or other rights related to the Assigned Patent Rights, each Assignor hereby irrevocably designates and appoints Assignee and its legal representatives as his or her agent and attorney-in-fact to act for and on his or her behalf to execute and file any documents and perform other acts to apply for, assign, establish, prosecute, obtain, or enforce any patents, applications, or other rights related to the Assigned Patent Rights with the same force and effect as if executed by him or her.

7. The terms and covenants of this Assignment and Agreement shall inure to the benefit of Assignee, its successors, and assigns (including by operation of law), and shall be binding upon each Assignor and its respective heirs, legal representatives and assigns. This Assignment and Agreement and any claim, controversy, dispute or cause of action (whether in contract, tort or otherwise) based upon, arising out of or relating to this Assignment and Agreement shall be governed by and construed in accordance with the laws of Japan. without regard to the conflicts of laws principles thereof. This Assignment and Agreement may be executed in the original or by facsimile, email or other electronic transmission in any number of counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, each Assignor has caused this Assignment and Agreement to be executed below:

[Signature page(s) follows]

Assignment and Agreement
Attorney Docket Number: C-020

Takahiro YADA ("Assignor")

Signed: Takahiro Yada

Date: Dec 19, 2019

Assignment and Agreement
Attorney Docket Number: C-020

Tsukasa TAKAIWA ("Assignor")

Signed: Tsukasa Takaiwa

Date: Dec 19, 2019