

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREY GREBENNIKOV	04/20/2018
JAMES WONG	04/20/2018
NAOKI WATANABE	04/20/2018
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<b>Name:</b>	SUMITOMO ELECTRIC DEVICE INNOVATIONS, INC.
<b>Street Address:</b>	1, KANAI-CHO, SAKAE-KU
<b>City:</b>	YOKOHAMA-SHI, KANAGAWA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	244-0845
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15909394
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<b>NAME OF SUBMITTER:</b>	MICHAEL A. MAKUCH
<b>SIGNATURE:</b>	/Michael A. Makuch/
<b>DATE SIGNED:</b>	06/05/2018
<b>Total Attachments: 2</b>	
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source=034519_018CIP1_Assignment 2#page2.tif	

Inventor(s)-to-Assignee

ASSIGNMENT

This assignment agreement is applicable to an invention entitled

INVERTED THREE-STAGE DOHERTY AMPLIFIER

The PATENT PROPERTY referred to in this agreement is:  
(check one)

- ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☒ U.S. Patent Application Serial No. 15/909,394, filed March 1, 2018 (date).
- ☐ a U.S. Patent Application based on PCT International Application No. \_\_\_\_\_ filed on (date) (U.S. Application Serial No. \_\_\_\_\_, if known).
- ☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_ (date).

patents and patent applications identified above.

The PATENT PROPERTY assigned under this agreement is:  
(check one)

- ☒ U.S. patent property only.
- ☐ Worldwide patent property. In this case, the ASSIGNEE shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The term ENTIRE PATENT RIGHTS identifies the following rights:  
the full and exclusive right to the invention;  
the entire right, title and interest in and to the PATENT PROPERTY;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

The ASSIGNOR(S) referred to in this agreement are identified on page 2 of this Assignment.

The following ASSIGNEE is the recipient of the entire rights assigned herein:

SUMITOMO ELECTRIC DEVICE INNOVATIONS, INC.  
1, Kanai-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-0845, Japan

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THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S)

This ASSIGNEE is:

(check one) ☐ An Individual.  
☐ A Partnership.  
☒ A Corporation/Entity of JAPAN (specify state or country)  
☐ (other) \_\_\_\_\_.

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign to the ASSIGNEE, its successors and assigns, the ENTIRE PATENT RIGHTS.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the right, title and interest, for the use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Signature: \_\_\_\_\_

Date: 20/04/2018

Name: Andrey GREBENNIKOV

Signature: \_\_\_\_\_

Date: 20/04/2018

Name: James WONG

Signature: Naoki Watanabe

Date: 20/04/2018

Name: Naoki WATANABE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

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