

## 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>
HIROKAZU TANAKA	06/27/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16562084
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<b>ATTORNEY DOCKET NUMBER:</b>	087143.0702
<b>NAME OF SUBMITTER:</b>	TRACY E. ENGBERG
<b>SIGNATURE:</b>	/Tracy E. Engberg/
<b>DATE SIGNED:</b>	09/05/2019
<b>Total Attachments: 3</b>	
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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Hirokazu TANAKA (hereinafter referred to as Assignor), residing at Kanagawa, Japan;

WHEREAS, Assignor has invented certain new and useful improvements in METHOD OF EVALUATING INITIAL PARAMETERS AND TARGET VALUES FOR FEEDBACK CONTROL LOOP OF WAVELENGTH TUNABLE SYSTEM, set forth in a patent application for Letters Patent of the United States,

filed concurrently herewith;

filed on \_\_\_\_\_ as U.S. Patent Application No. \_\_\_\_\_; and

WHEREAS, SUMITOMO ELECTRIC DEVICE INNOVATIONS, INC. having its principal place of business at 1, Kanai-cho, Sakae-ku, Yokohama, Kanagawa 244-0845 Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent

may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Executed on: June 27, 2017  
Date

Assignor: Hirokazu Tanaka  
Assignor Name Signature

Witness:  
\_\_\_\_\_  
Witness Name Signature

\_\_\_\_\_  
\_\_\_\_\_  
Witness Address

Executed on: \_\_\_\_\_  
Date

Assignor: \_\_\_\_\_  
Assignor Name Signature

Witness:  
\_\_\_\_\_  
Witness Name Signature

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