PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tomoaki UJIMARU	03/02/2021
Seiji TAKAHASHI	03/02/2021
Takaaki SANO	03/01/2021
Takumi UEMURA	03/03/2021

RECEIVING PARTY DATA

Name:	Sumitomo Electric Industries, Ltd.	
Street Address:	5-33, Kitahama 4-chome, Chuo-ku	
City:	Osaka-shi, Osaka	
State/Country:	Japan	
Postal Code:	5410041	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17279304

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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: 703-836-6400
Email: email@oliff.com
Correspondent Name: JOHN A. RADI
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	195630
ATTORNET DOCKET NOWBER.	193030
NAME OF SUBMITTER:	NAHOME MEKONNEN
SIGNATURE:	/Nahome Mekonnen/ for James Oliff
DATE SIGNED:	03/24/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 3

PATENT REEL: 055702 FRAME: 0086

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> PATENT REEL: 055702 FRAME: 0087

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	Insert	(1)	Tomoaki UJIMARU	(2)	Seiji TAKAHASHI	
(1-8)	Legal Name(s)	(3)	Takaaki SANO	(4)	Takumi UEMURA	
	of Inventor(s)	(5)		(6)		
		(7)		(8)		
		the unde		y of which are he	good and valuable consideration paid to each of reby acknowledged, each undersigned agrees to	
(9)	Insert Name of Assignee	(9)	SUMITOMO ELECTRIC INDU	JSTRIES, LTD.		
(10)	Insert Address of Assignee	(10)	5-33, Kitahama 4-chome, Chuo	-ku, Osaka-shi, (Osaka 5410041 Japan	
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11)	Insert Identification such as Title, Case	(11)	VOLTAGE SUPPLY SYSTEM	AND POWER S	SOURCE CONSTITUTING SAME	
	Number, or Foreign or International Application Number		PCT/JP2019/021850			
		(Attor	ney Docket No.), f	iled on even date herewith or as	
(12)	Alternative	(12)	U.S. Application Number			
	Identification for		 -			
	filed applications	filed				

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that 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.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §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 five (5) years, or both.

	in witness whereof, executed by the unders	signea on the date(s) opp		
Date	March 2,2021	Inventor Signature	Tomogki WIMARU Tomogki UJIMARU	(SEAL)
Date	March 2, 2021	Inventor Signature	Seiji Takahashi	(SEAL
Date		Inventor Signature	Takaaki SANO	(SEAL
Date	March, 3, 2021	Inventor Signature	Takumi UEMURA	(SEAL)
Date		Inventor Signature		(SEAL
Date		Inventor Signature		(SEAL
Date		Inventor Signature		(SEAL)
Date		Inventor Signature	· · · · · · · · · · · · · · · · · · ·	(SEAL)
either, 1	This assignment should preferably be signed then it should be signed before at least two with	before: (a) a Notary Public inesses who also sign here	if within the U.S.A. (b) a U.S. Consul if outside the	U.S.A. I
Date		Witness _		
Date		Witness		

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		nventor Signature	Tomoaki UJIMARU	(SEAL)
Date	lo	nventor Signature	Seiji TAKAHASHI	(SEAL)
Date	March 1, 2021 1	aventor Signature	Takeaki Sano	
Date	Ic	eventor Signature	Takumi UEMURA	(SEAL)
Date	Is	ventor Signature		(SEAL)
Date	Ia	ventor Signature		(SEAL)
Date	In	ventor Signature		(SEAL)
Date	la	ventor Signature		(SEAL)
sither, t	This assignment should preferably be signed before then it should be signed before at least two witnesses	: (a) a Notary Public : who also sign here:	if within the U.S.A. (b) a U.S. Consul if outside the U.	S.A. If
Date	w	litaess		<u>-</u>
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RECORDED: 03/24/2021