PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4916161

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAKI HASEGAWA	03/29/2018
SHUHEI YOKOYAMA	03/30/2018
SHIGERU MORI	03/30/2018
HISASHI KAWAFUJI	03/30/2018

RECEIVING PARTY DATA

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State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15953522

CORRESPONDENCE DATA

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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.

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Correspondent Name: STUDEBAKER & BRACKETT PC Address Line 1: 8255 GREENSBORO DRIVE

Address Line 2: SUITE 300

Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOOKET NUMBER.	004700 ME0000	
ATTORNEY DOCKET NUMBER:	004700-ME0299	
NAME OF SUBMITTER:	TIM L. BRACKETT, JR.	
SIGNATURE:	/Tim L. Brackett, Jr./	
DATE SIGNED:	04/16/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

PATENT REEL: 045544 FRAME: 0992 source=Dec_Assignment#page1.tif
source=Dec_Assignment#page2.tif
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PATENT REEL: 045544 FRAME: 0993



Attorney Docket No.	
AUDITON DOWNERSON	

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

NDOW PANEX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	HARLES AND
Title of Invention:	
POWER MODULE	
私は、以下に記名された発明者として、ここに下記 の通り宣言する:	As a below named inventor, I hereby declare that:
本宣言書は、以下の出願に対するものである:	This declaration is directed to:
□ 添付された出願、あるいは、 □ 米国出願番号またはPCT国際出願番号は、 □ であり、且つ □ の日に出願された出願(該当する場合)	The attached application, or United States application or PCT international application number
上記出願書(明細書及び図面)は、私が作成したものか、あるいは私がその作成を許可したものである。	The above-identified application was made or authorized to be made by me.
私は、本米国出願の請求範囲で記載された発明に対する原発明者であるか、或いは、原共同発明者である ると信じている。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
私は、ここでの宣誓または陳述において故意に偽り を述べた場合、合衆国法典第18巻第1001条に基づ き、罰金あるいは5年以下の懲役、または、両方の	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.
懲罰を受けることを認める。	STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 CFR 1.69(b):
	The Declaration and Assignment for Patent and Design Applications is an accurate translation of the corresponding English language Declaration and Assignment for Patent and Design Applications
	Signature:
	Date: <u>11/15/2012</u>
	·

WHEREAS the undersigned, hereinafter referred to as the assignor, has invented a certain improvement relating to the above identified application.

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	Attorney Docket No.	
The inventor declaration for said application is combine	d herewith.	
[×] said application to be filed in the United States Par	ent and Trademark Office;	
[] said application having been filed in the United States Patent and Trademark Office on, authorization being hereby given to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198</u> , to insert here in parentheses (Application Serial No) the application serial number of said application when known;		
[] said application having been filed under the Patent as Serial No, the United	Cooperation Treaty on, States of America being designated.	
AND WHEREAS Mitsubishi Electric Corporal 100-8310, Japan, hereinafter referred to as the assigne interest in and to said application, including any and all invention and any and all patents which may be granted prolongations thereof;	divisions and continuations thereof, and in and to said	
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.		
AND said assignor hereby agrees to perform, u successors or assigns, any and all acts relating to the o any and all renewals, reissues and prolongations there	pon the request of said assignee, or said assignee's btaining or to the asserting of said patents, including of.	
AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to Issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.		
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.		
This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.		
笼明者氏名/ Legal Name of Inventor Maki HASEGAWA		
発明者の署名/ Signature 長谷川 真紀	8911 Date March 29, 2018	



SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT 宣言書ならびに譲渡証の補足シート

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1
追加の発明者
補足シート1/ページ

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盾山 俗牛	目付/ Date March , 30、2018
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Shigeru MORI	
発明者の署名/ Signature	自付/ Date
A Company of the Comp	March 30, 20/8
	L
発明者氏名/ Legal Name of Inventor	
Hisashi KAWAFUJI	
- 発明者の署名/ Signature	I 目付/ Date
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発明者氏名/ Legal Name of Inventor	10000000000000000000000000000000000000
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発明者氏名/ Legal Name of Inventor	
発明者の署名/ Signature	目付/ Date
NAME AND ASSESSED ASSESSED	7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7
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発明者氏名/ Legal Name of Inventor	
発明者の署名/ Signature	日付/ Date
発明者氏名/ Legal Name of Inventor	######################################
発明者の署名/ Signature	B{t/ Date

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RECORDED: 04/16/2018