505669655 09/12/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5716462

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENJI SASAKI	09/02/2019
ISAO OBU	09/03/2019
TAKAYUKI TSUTSUI	09/02/2019

RECEIVING PARTY DATA

Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME, NAGAOKAKYO-SHI
City:	KYOTO-FU
State/Country:	JAPAN
Postal Code:	617-8555

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16569271

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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)390-9051

Email: info@sbpatentlaw.com

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

Address Line 2: SUITE 300

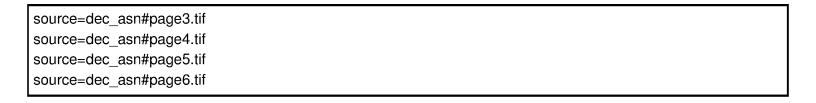
Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	002000-MM0611	
NAME OF SUBMITTER:	JOSEPH J. BUCZYNSKI	
SIGNATURE:	/Joseph J. Buczynski/	
DATE SIGNED:	09/12/2019	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 6

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PATENT 505669655 REEL: 050361 FRAME: 0835



PATENT REEL: 050361 FRAME: 0836



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

Title of Invention:	
RADIO FREQUENCY POWER AMPLII	FIER AND POWER AMPLIFIER 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、────────────────────────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 filed on
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	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.
方の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.

The inventor declaration for said application is combined	herewith.
[X] said application to be filed in the United States Pater	nt and Trademark Office;
[] said application having been filed in the United States authorization being hereby given to the practitioners assocustomer NUMBER 78198, to insert here in parenthe application serial number of said application when known	ciated with STUDEBAKER & BRACKETT PC's sees (Application Serial No) the
[] said application having been filed under the Patent Co	operation Treaty on,
as Serial No, the United State	es of America being designated.
AND WHEREAS Murata Manufacturing Co., Lt Kyoto-fu 617-8555 JAPAN, hereinafter referred to as the title and interest in and to said application, including any and to said invention and any and all patents which may reissues and prolongations thereof;	and all divisions and continuations thereof, and in
NOW, that for and in consideration of One Dollar paid by said assignee to said assigner, the receipt of white assigns, sells and transfers to said assignee, and said as exclusive right, title and interest in and to said application thereof, and in and to said invention and any and all pate and all renewals, reissues and prolongations thereof; said assigns, to have, hold, exercise and enjoy the said applic continuations thereof, and the said invention and any and including any and all renewals, reissues and prolongation advantages in anywise arising from or appertaining there such patents when granted, including any and all renewal and benefit of said assignee, and said assignee's success manner as the said assigner might or could have held an been made.	signee's successors and assigns, the full and , including any and all divisions and continuations nts which may be granted therefor, including any d assignee, and said assignee's successors and ration, including any and all divisions and l all patents which may be granted therefor, as thereof, with all the rights, powers, privileges and to, for and during the term or terms of any and all ls, reissues and prolongations thereof, for the use sors and assigns, in as ample and beneficial a
AND said assignor hereby agrees to perform, up successors or assigns, any and all acts relating to the obtany and all renewals, reissues and prolongations thereof	
AND said assignor authorizes and requests the C Letters Patent on said application, and on any and all divi and said assignee's successors and assigns, in accordan	
The undersigned hereby grants the law firm of S on the Assignment portion of this combined Declaration a be necessary or desirable in order to comply with the rule recordation of this document.	FUDEBAKER & BRACKETT PC the power to insert and Assignment any further identification which may as of the U.S. Patent and Trademark Office for
This combined Declaration and Assignment has opposite the undersigned name.	been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor ▶	Cenji SASAKI
発明者の署名/ Signature / CACAを7	I付/ Date 🥱 🐧 1



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

Title of Invention:			
RADIO FREQUENCY POWER AMPLII	FIER AND POWER AMPLIFIER 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 filed on		
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、両方の懲罰を受けることを認める。	I hereby acknowledge that any willful faise 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.		
	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.

The inventor declaration for said application is combined	d herewith.
[X] said application to be filed in the United States Pate	ent and Trademark Office;
[] said application having been filed in the United State authorization being hereby given to the practitioners ass <u>CUSTOMER NUMBER 78198</u> , to insert here in parenth application serial number of said application when know	sociated with STUDEBAKER & BRACKETT PC's neses (Application Serial No) the
[] said application having been filed under the Patent C as	Cooperation Treaty on
Serial No, the United Sta	tes of America being designated.
AND WHEREAS Murata Manufacturing Co., I Kyoto-fu 617-8555 JAPAN, hereinafter referred to as the title and interest in and to said application, including any and to said invention and any and all patents which may reissues and prolongations thereof;	and all divisions and continuations thereof, and in
NOW, that for and in consideration of One Dolla paid by said assignee to said assignor, the receipt of wh assigns, sells and transfers to said assignee, and said a exclusive right, title and interest in and to said applicatio thereof, and in and to said invention and any and all pate and all renewals, reissues and prolongations thereof; sa assigns, to have, hold, exercise and enjoy the said application throughout the said invention and any an including any and all renewals, reissues and prolongation advantages in anywise arising from or appertaining them such patents when granted, including any and all renew and benefit of said assignee, and said assignee's succe manner as the said assignor might or could have held as been made.	assignee's successors and assigns, the full and in, including any and all divisions and continuations ents which may be granted therefor, including any aid assignee, and said assignee's successors and ication, including any and all divisions and aid ail patents which may be granted therefor, ons thereof, with all the rights, powers, privileges and eto, for and during the term or terms of any and all als, reissues and prolongations thereof, for the use ssors and assigns, in as ample and beneficial a
AND said assignor hereby agrees to perform, up successors or assigns, any and all acts relating to the old any and all renewals, reissues and prolongations thereo	
AND said assignor authorizes and requests the Letters Patent on said application, and on any and all dirand said assignee's successors and assigns, in accordance	
The undersigned hereby grants the law firm of 5 on the Assignment portion of this combined Declaration be necessary or desirable in order to comply with the rule recordation of this document.	
This combined Declaration and Assignment has opposite the undersigned name.	been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor	Isao OBU
発明者の署名/ Signature 、	目付/ Date
Dan Electrical	September 3, 2019



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

Title of Invention:	
RADIO FREQUENCY POWER AMPLII	TER AND POWER AMPLIFIER 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、本米国出願の諸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	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.
方の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>



been made.

RECORDED: 09/12/2019

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

Province of the company of the control of the contr			
The inventor declaration for said application is combined herewith.			
[X] said application to be filed in the United States Patent 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 Cooperation Treaty on, as			
Serial No, the United States of America being designated.			
AND WHEREAS Murata Manufacturing Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555 JAPAN, hereinafter referred to as the assignee, is desirous of acquiring the entire 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;			
NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor 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 assigner might or could have held and enjoyed the same, if this assignment had not			

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

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.

ľ	発明者氏名/ Legal Name of Inventor		***************************************	
		Takayuki T	SUTSUI	
	発明者の署名/ Signature てフィース・人	/suikwi 日付/ Date	Sp. 2.4	3019