### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6052651

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOSHIMASA YOSHIOKA	03/02/2020
KOUJI YAMAUCHI	03/02/2020
HIRONORI SUZUKI	03/02/2020
NAOYA NOO	03/12/2020

### **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:	16843563

### **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

	<u> </u>	
ATTORNEY DOCKET NUMBER:	740630-MM0083	
NAME OF SUBMITTER: JOSEPH J. BUCZYNSKI		
SIGNATURE:	/Joseph J. Buczynski/	
DATE SIGNED:	04/08/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 8** 

PATENT REEL: 052348 FRAME: 0001

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PATENT REEL: 052348 FRAME: 0002



Title of Invention:		
INDUCTOR COMPONENT		
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:	
<ul><li>□ 添付された出願、あるいは、</li><li>□ 米国出願番号またはPCT国際出願番号は、</li><li>であり、且つ</li><li>の日に出願された出願</li><li>(該当する場合)</li></ul>	☐ 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 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.	
	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>	



発明者の署名/ Signature

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

The inventor declaration for s	aid 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 &amp; 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 bed	en filed under the Patent Cooperation Treaty on,		
Serial No	, the United States of America being designated.		
AND WHEREAS <u>Murata Manufacturing Co., Ltd.</u> of <u>10-1</u> , <u>Higashikotari 1-chome</u> , <u>Nagaokakyoshi, Kyoto 617-8555 JAPAN</u> , 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 assignor might or could have held and enjoyed the same, if this assignment had not been made.			
	ereby agrees to perform, upon the request of said assignee, or said assignee's and all acts relating to the obtaining or to the asserting of said patents, including and prolongations thereof.		
Letters Patent on said applica	uthorizes and requests the Commissioner of Patents and Trademarks to issue ation, and on any and all divisions and continuations thereof, to said assignee, ors and assigns, in accordance herewith.		
on the Assignment portion of	eby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert this combined Declaration and Assignment any further identification which may order to comply with the rules of the U.S. Patent and Trademark Office for		
This combined Decla opposite the undersigned nar	ration and Assignment has been executed by the undersigned on the date ne.		
発明者氏名/ Legal Name of Invento	Yoshimasa YOSHIOKA		

Yoshimasa YOSHIOKA

日付/ Date

March

2020



Title of Invention:		
INDUCTOR COMPONENT		
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、 	☐ 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 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.	
	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	r said application is combined herewith.
[X] said application to be	filed in the United States Patent and Trademark Office;
authorization being hereby CUSTOMER NUMBER 78	been filed in the United States Patent and Trademark Office on, given to the practitioners associated with <u>STUDEBAKER &amp; BRACKETT PC's</u> 198, to insert here in parentheses (Application Serial No) the of said application when known;
	been filed under the Patent Cooperation Treaty on
as Serial No	the United States of America being designated.
shi, Kyoto 617-8555 JAPA title and interest in and to s	Murata Manufacturing Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyo-N, hereinafter referred to as the assignee, is desirous of acquiring the entire right, aid application, including any and all divisions and continuations thereof, and in any and all patents which may be granted therefor, including any and all renewals thereof;
	in consideration of One Dollar (\$1.00), and other good and valuable consideration assignor, the receipt of which is hereby acknowledged, said assignor hereby

**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 assignor might or could have held and enjoyed the same, if this assignment had not been made.

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.

発明者氏名/ Legal Name of Inventor		
	Kouji YAMAUCHI	
発明者の署名/ Signature (Қом): YAMAUCHI	日付/ Date March 2,2020	



Title of Invention:		
INDUCTOR COMPONENT		
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:	
<ul><li>□ 添付された出願、あるいは、</li><li>□ 米国出願番号またはPCT国際出願番号は、</li><li>□ であり、且つ</li><li>の日に出願された出願</li><li>(該当する場合)</li></ul>	☐ The attached application, or ☐ United States application or PCT international application number filed on	
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The inventor declaration for said appli	cation is combined herewith.
[ <b>X</b> ] said application to be filed in the	United States Patent and Trademark Office;
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as Serial No.	, the United States of America being designated.
Genai No.	, the office offices of Affiched being designated.

AND WHEREAS <u>Murata Manufacturing Co., Ltd.</u> of <u>10-1, Higashikotari 1-chome, Nagaokakyoshi, Kyoto 617-8555 JAPAN</u>, 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 assignor might or could have held and enjoyed the same, if this assignment had not been made.

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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.

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This combined Declaration and Assignment has been executed by the undersigned on the date opposite the undersigned name.

発明者氏名/ Legal Name of Inventor	
-	Hironori SUZUKI
発明者の署名/ Signature	日付/ Date
Mironori Juzuki	March 2, 2020



Title of Invention:				
INDUCTOR COMPONENT				
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:			
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	Signature:			
	Date: <u>11/15/2012</u>			



**RECORDED: 04/08/2020** 

**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.	
$[\boldsymbol{X}\:]\:$ 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 as CUSTOMER NUMBER 78198, to insert here in parenth application serial number of said application when know	sociated with <u>STUDEBAKER &amp; BRACKETT PC's</u> neses (Application Serial No) the	
[ ] said application having been filed under the Patent C	Cooperation Treaty on,	
as Serial No, the United Sta	tes of America being designated.	
AND WHEREAS Murata Manufacturing Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyoshi, Kyoto 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;		
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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 thereo		
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 son the Assignment portion of this combined Declaration be necessary or desirable in order to comply with the rurecordation of this document.	STUDEBAKER & BRACKETT PC the power to insert and Assignment any further identification which may les of the U.S. Patent and Trademark Office for	
This combined Declaration and Assignment has opposite the undersigned name.	s been executed by the undersigned on the date	
発明者氏名/ Legal Name of Inventor	Naoya NOO	
発明者の署名/ Signature Naoya NOO	日付/Date March 12th, 2020	

Page 2 of 2