504291770 03/27/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4338451 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYOTA HASHIMOTO	02/16/2017
ATSUYOSHI MAEDA	03/13/2017
CHIHIRO YAMAGUCHI	03/14/2017
HIROYUKI TEI	02/22/2017
KOHEI KOBAYASHI	02/16/2017

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:	15470254

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

SUITE 300 Address Line 2:

Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	002000-000329	
NAME OF SUBMITTER:	JONATHAN L. SCHERER	
SIGNATURE:	/Jonathan L. Scherer/	
DATE SIGNED:	03/27/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 041753 FRAME: 0893

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Total Attachments: 10		
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PATENT REEL: 041753 FRAME: 0894



Title of Invention:		
COIL 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、□ 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	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: 7	



improvement relating to the above identified application.	
The inventor declaration for said application is combined	herewith.
$[\mathbf{X}\]$ said application to be filed in the United States Pater	at and Trademark Office;
[] said application having been filed in the United States authorization being hereby given to the practitioners asso <u>CUSTOMER NUMBER 78198</u> , to insert here in parenthe application serial number of said application when known	ciated with STUDEBAKER & BRACKETT PC's ses (Application Serial No) the
[] said application having been filed under the Patent Coc Serial No, the United State	
AND WHEREAS MURATA MANUFACTURING Nagaokakyo-shi, Kyoto-fu 617-8555 JAPAN, hereinafter of the entire right, title and interest in and to said application thereof, and in and to said invention and any and all paternall renewals, reissues and prolongations thereof;	eferred to as the assignee, is desirous of acquiring , including any and all divisions and continuations
NOW, that for and in consideration of One Dollar paid by said assignee to said assignor, the receipt of which assigns, sells and transfers to said assignee, and said assexclusive right, title and interest in and to said application, thereof, and in and to said invention and any and all patent all renewals, reissues and prolongations thereof; said asset to have, hold, exercise and enjoy the said application, incluand the said invention and any and all patents which may reissues and prolongations thereof, with all the rights, powfrom or appertaining thereto, for and during the term or terincluding any and all renewals, reissues and prolongation and said assignee's successors and assigns, in as ample or could have held and enjoyed the same, if this assignment	signee's successors and assigns, the full and including any and all divisions and continuations ts which may be granted therefor, including any and ignee, and said assignee's successors and assigns, uding any and all divisions and continuations thereof, be granted therefor, including any and all renewals, vers, privileges and advantages in anywise arising rms of any and all such patents when granted, is thereof, for the use and benefit of said assignee, and beneficial a manner as the said assignor might
AND said assignor hereby agrees to perform, upo successors or assigns, any and all acts relating to the obt any and all renewals, reissues and prolongations thereof.	on the request of said assignee, or said assignee's aining or to the asserting of said patents, including
AND said assignor authorizes and requests the C Letters Patent on said application, and on any and all divisi said assignee's successors and assigns, in accordance h	ons and continuations thereof, to said assignee, and
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 a opposite the undersigned name.	peen executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor R\	vota HASHIMOTO
発明者の署名/ Signature ト 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	t/ Date
Ryota Hashimoto	16 February, 2017



Title of Invention:		
COIL 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、□ 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	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: **X**********************************	
	Date: <u>11/15/2012</u>	



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 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 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	
Atsuyoshi MAEDA	
発明者の署名/ Signature 日付/ Date 13 - MAR - 7017	



Title of Invention:		
COIL 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、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.	
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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: A	
	Date: <u>11/15/2012</u>	



•		
The inventor declaration for said application is combined	ed herewith.	
[X] said application to be filed in the United States Pa	tent 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 paren application serial number of said application when known	ssociated with <u>STUDEBAKER & BRACKETT PC's</u> theses (Application Serial No) the	
[] said application having been filed under the Patent Serial No, the United St	Cooperation Treaty on, as rates of America being designated.	
AND WHEREAS MURATA MANUFACTURIN	IG CO., LTD. of 10-1, Higashikotari 1-chome,	
Nagaokakyo-shi, Kyoto-fu 617-8555 JAPAN, hereinaft the entire right, title and interest in and to said applicat	er referred to as the assignee, is desirous of acquiring	
paid by said assignee to said assignor, the receipt of wassigns, sells and transfers to said assignee, and said exclusive right, title and interest in and to said applicate thereof, and in and to said invention and any and all pall renewals, reissues and prolongations thereof; said to have, hold, exercise and enjoy the said application, in and the said invention and any and all patents which make reissues and prolongations thereof, with all the rights, from or appertaining thereto, for and during the term of including any and all renewals, reissues and prolongations.	assignee's successors and assigns, the full and ion, including any and all divisions and continuations itents which may be granted therefor, including any and assignee, and said assignee's successors and assigns, including any and all divisions and continuations thereof, hay be granted therefor, including any and all renewals, powers, privileges and advantages in anywise arising in terms of any and all such patents when granted, itions thereof, for the use and benefit of said assignee, ple and beneficial a manner as the said assignor might	
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This combined Declaration and Assignment has opposite the undersigned name.	as been executed by the undersigned on the date	
発明者氏名/ Legal Name of Inventor	Chihiro YAMAGUCHI	
発明者の署名/ Signature Chi hi ho YAMA GUCH1	日付/ Date 14, March , 20/7	



Title of Invention:	·	
COIL 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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authorization being hereby given to the practice	United States Patent and Trademark Office on,
[] said application having been filed under Serial No, th	the Patent Cooperation Treaty on, as e United States of America being designated.
Nagaokakyo-shi, Kyoto-fu 617-8555 JAPAN the entire right, title and interest in and to sa	FACTURING CO., LTD. of 10-1, Higashikotari 1-chome, I, hereinafter referred to as the assignee, is desirous of acquiring aid application, including any and all divisions and continuations y and all patents which may be granted therefor, including any and ereof;
paid by said assignee to said assignor, the assigns, sells and transfers to said assignee exclusive right, title and interest in and to sait thereof, and in and to said invention and any all renewals, reissues and prolongations the to have, hold, exercise and enjoy the said apand the said invention and any and all pater reissues and prolongations thereof, with all from or appertaining thereto, for and during including any and all renewals, reissues and	of One Dollar (\$1.00), and other good and valuable consideration receipt of which is hereby acknowledged, said assignor hereby e, and said assignee's successors and assigns, the full and aid application, including any and all divisions and continuations y and all patents which may be granted therefor, including any and ereof; said assignee, and said assignee's successors and assigns, oplication, including any and all divisions and continuations thereof, into which may be granted therefor, including any and all renewals, the rights, powers, privileges and advantages in anywise arising the term or terms of any and all such patents when granted, d prolongations thereof, for the use and benefit of said assignee, s, in as ample and beneficial a manner as the said assignor might of this assignment had not been made.
AND said assignor hereby agrees t successors or assigns, any and all acts rela any and all renewals, reissues and prolong	o perform, upon the request of said assignee, or said assignee's iting to the obtaining or to the asserting of said patents, including ations thereof.
AND said assignor authorizes and Letters Patent on said application, and on ar said assignee's successors and assigns, in	requests the Commissioner of Patents and Trademarks to issue by and all divisions and continuations thereof, to said assignee, and accordance herewith.
on the Assignment portion of this combined	law firm of STUDEBAKER & BRACKETT PC the power to insert Declaration and Assignment any further identification which may by with the rules of the U.S. Patent and Trademark Office for
This combined Declaration and Assopposite the undersigned name.	signment has been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor	Hiroyuki TEI
発明者の署名/ Signature Hiro Yuki Tei	目付/Date 22 February, 2017
	,



Title of Invention:			
COIL 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、 であり、且つ の日に出願された出願(該当する場合)	☐ United States application or PCT international application number filed on		
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	Signature: **X**********************************		
	Date: <u>11/15/2012</u>		



RECORDED: 03/27/2017

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 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 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.
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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
Kohei KOBAYASHI
発明者の異々/ Signature

Page 2 of 2