PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5270852

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AOI TANAKA	11/30/2018
CHIKARA URATANI	11/28/2018
MINORU IKEDA	11/30/2018
SHINGO NAKAMURA	12/03/2018

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:	16212482

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

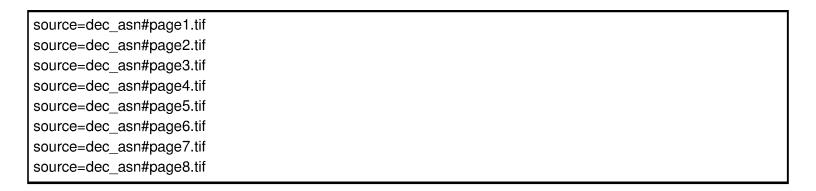
Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	002000-MM0521
NAME OF SUBMITTER:	JOSEPH J. BUCZYNSKI
SIGNATURE:	/Joseph J. Buczynski/
DATE SIGNED: 12/06/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).
T	•

Total Attachments: 8

PATENT REEL: 047698 FRAME: 0907

505224083



PATENT REEL: 047698 FRAME: 0908



Title of Invention:	
CONNECTOR, (CONNECTOR SET,
·-	METHOD FOR CONNECTOR
אינט אינט אינט איינט איינט אינט אינט אינ	SEEDING TO SEEDING TO AND SEEDING TO SEEDING
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	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>



mile of our country of the side of the sid	mfe la company de la company d
The inventor declaration for said application	is combined herewith.
$\ensuremath{\left[\boldsymbol{X}\right.}\ensuremath{\left]}$ said application to be filed in the United	States Patent and Trademark Office;
authorization being hereby given to the pract	Inited States Patent and Trademark Office on,itioners associated with <u>STUDEBAKER & BRACKETT PC's</u> e in parentheses (Application Serial No) the when known;
[] said application having been filed under that	he Patent Cooperation Treaty on,
Serial No, the	United States of America being designated.
Kyoto-fu 617-8555 JAPAN, hereinafter referretitle and interest in and to said application, in	uring Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyo-shi, red to as the assignee, is desirous of acquiring the entire right, cluding any and all divisions and continuations thereof, and in which may be granted therefor, including any and all renewals,
paid by said assignee to said assignor, the reassigns, sells and transfers to said assignee exclusive right, title and interest in and to said thereof, and in and to said invention and any and all renewals, reissues and prolongations assigns, to have, hold, exercise and enjoy the continuations thereof, and the said invention including any and all renewals, reissues and advantages in anywise arising from or appears such patents when granted, including any arrand benefit of said assignee, and said assignee.	of One Dollar (\$1.00), and other good and valuable consideration eccipt of which is hereby acknowledged, said assignor hereby, and said assignee's successors and assigns, the full and dapplication, including any and all divisions and continuations and all patents which may be granted therefor, including any thereof; said assignee, and said assignee's successors and e said application, including any and all divisions and and any and all patents which may be granted therefor, prolongations thereof, with all the rights, powers, privileges and taining thereto, for and during the term or terms of any and all and all renewals, reissues and prolongations thereof, for the use nee's successors and assigns, in as ample and beneficial a nave 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.

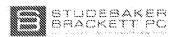
The undersigned hereby grants the law firm of STUDEBAKER & BRACKETT PC the power to insert on the Assignment portion of this combined Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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

発明者氏名/ Legal Name of Inventor	
	Aoi TANAKA
発明者の署名/ Signature Avi Janaha	目付Date November 30,2018



Title of Invention:	
	Connector Set,
and Manufacturing	METHOD FOR CONNECTOR
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(明細書及び関面)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参りを述べた場合、合衆国法典第18巻第1001条に基づき、劉金あるいは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:



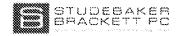
発明者の署名/ Signature College 1/n ナー・・・	目付/ Daie Now Lan 2家 2018
発明者氏名/ Legal Name of Inventor	Chikara URATANI
This combined Declaration and Assignment h opposite the undersigned name.	as been executed by the undersigned on the date
on the Assignment portion of this combined Declaration be necessary or desirable in order to comply with the recordation of this document.	
Letters Patent on said application, and on any and all and said assignee's successors and assigns, in accor	dance herewith.
successors or assigns, any and all acts relating to the any and all renewals, reissues and prolongations ther	
paid by said assignee to said assignor, the receipt of assigns, sells and transfers to said assignee, and said exclusive right, title and interest in and to said applica thereof, and in and to said invention and any and all p and all renewals, reissues and prolongations thereof; assigns, to have, hold, exercise and enjoy the said apcontinuations thereof, and the said invention and any	d assignee's successors and assigns, the full and tion, including any and all divisions and continuations eatents which may be granted therefor, including any said assignee, and said assignee's successors and explication, including any and all divisions and and all patents which may be granted therefor, extions thereof, with all the rights, powers, privileges and exerto, for and during the term or terms of any and all exwals, reissues and prolongations thereof, for the use excessors and assigns, in as ample and beneficial a
<u>Kyoto-fu 617-8555 JAPAN</u> , hereinafter referred to as title and interest in and to said application, including a and to said invention and any and all patents which m	
[] said application having been filed under the Patentas as Serial No, the United S	
[] said application having been filed in the United Sta authorization being hereby given to the practitioners a <u>CUSTOMER NUMBER 78198</u> , to insert here in parer application serial number of said application when known	associated with <u>STUDEBAKER & BRACKETT PC's</u> antheses (Application Serial No) the
[X] said application to be filed in the United States Pa	atent and Trademark Office;
The inventor declaration for said application is combin	ned herewith.



Title of Invention:	
CONNECTOR, (CONNECTOR SET,
-	METHOD FOR CONNECTOR
ELEGICA A SETURE A PARTICIO DE LA CONTRACTOR DE LA CONTRA	SERVICE RESIDENCE OF SPECIAL SERVICES SPECIAL SERVICES SPECIAL SERVICES SPECIAL SPECIA
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	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>



The inventor declaration for s	said application is combined herewith.
[X] said application to be file	ed in the United States Patent and Trademark Office;
authorization being hereby gi CUSTOMER NUMBER 7819	een filed in the United States Patent and Trademark Office on,iven to the practitioners associated with <u>STUDEBAKER & BRACKETT PC's</u> 18, to insert here in parentheses (Application Serial No) the said application when known;
	een filed under the Patent Cooperation Treaty on,
as Serial No	, the United States of America being designated.
Kyoto-fu 617-8555 JAPAN, h title and interest in and to sai	trata Manufacturing Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyo-shi, pereinafter referred to as the assignee, is desirous of acquiring the entire right, diapplication, including any and all divisions and continuations thereof, and in y and all patents which may be granted therefor, including any and all renewals, hereof;
paid by said assignee to said assigns, sells and transfers to exclusive right, title and intenthereof, and in and to said in and all renewals, reissues an assigns, to have, hold, exerc continuations thereof, and the including any and all renewal advantages in anywise arisin such patents when granted, if and benefit of said assignee,	consideration of One Dollar (\$1.00), and other good and valuable consideration assignor, the receipt of which is hereby acknowledged, said assignor hereby as said assignee, and said assignee's successors and assigns, the full and est in and to said application, including any and all divisions and continuations vention and any and all patents which may be granted therefor, including any and prolongations thereof; said assignee, and said assignee's successors and ise and enjoy the said application, including any and all divisions and e said invention and any and all patents which may be granted therefor, is, reissues and prolongations thereof, with all the rights, powers, privileges and groom or appertaining thereto, for and during the term or terms of any and all including any and all renewals, reissues and prolongations thereof, for the use and said assignee's successors and assigns, in as ample and beneficial a might or could have held and enjoyed the same, if this assignment had not
	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 as 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	beby 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	aration and Assignment has been executed by the undersigned on the date me.
発明者氏名/ Legal Name of Invent	Minoru IKEDA
発明者の署名/ Signature	# # 目付/ Date // ! n
Mi	noru Cheda November 30. 2018



Title of Invention:		
CONNECTOR, CONNECTOR SET,		
and Man ufacturing method for connector		
a a a a a a a a a a a a a a a a a a a		
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、本来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 Deciaration 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>	



	* *
The inventor declaration for said application	is combined herewith.
[X] said application to be filed in the United	I States Patent and Trademark Office;
authorization being hereby given to the prac	United States Patent and Trademark Office on,
[] said application having been filed under	the Patent Cooperation Treaty on
as Serial No, the	e United States of America being designated.
Kyoto-fu 617-8555 JAPAN, hereinafter refer title and interest in and to said application, in	turing Co., Ltd. of 10-1, Higashikotari 1-chome, Nagaokakyo-shi, rred to as the assignee, is desirous of acquiring the entire right, including any and all divisions and continuations thereof, and in its which may be granted therefor, including any and all renewals,
paid by said assignee to said assignor, the rassigns, sells and transfers to said assigned exclusive right, title and interest in and to sait thereof, and in and to said invention and any and all renewals, reissues and prolongation assigns, to have, hold, exercise and enjoy to continuations thereof, and the said inventior including any and all renewals, reissues and advantages in anywise arising from or appeauch patents when granted, including any and benefit of said assignee, and said assignee.	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 sid application, including any and all divisions and continuations y and all patents which may be granted therefor, including any s thereof; said assignee, and said assignee's successors and he said application, including any and all divisions and in and any and all patents which may be granted therefor, diprolongations thereof, with all the rights, powers, privileges and intaining thereto, for and during the term or terms of any and all ind all renewals, reissues and prolongations thereof, for the use gnee's successors and assigns, in as ample and beneficial a have held and enjoyed the same, if this assignment had not
	o perform, upon the request of said assignee, or said assignee's ting to the obtaining or to the asserting of said patents, including ations thereof.
	requests the Commissioner of Patents and Trademarks to issue ny and all divisions and continuations thereof, to said assignee, s, in 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 with the rules of the U.S. Patent and Trademark Office for
This combined Declaration and Ass opposite the undersigned name.	ignment has been executed by the undersigned on the date
発明者氏名/ Legal Name of Inventor	O1
	Shingo NAKAMURA
発明者の署名/ Signature S ん へ タック パー	Lamus La BATI Date December 3, 2018

Page 2 of 2