

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mitsuru ODAHARA</td> <td>11/15/2012</td> </tr> <tr> <td>Hideaki MATSUSHIMA</td> <td>11/22/2012</td> </tr> <tr> <td>Akihiro ONO</td> <td>11/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mitsuru ODAHARA	11/15/2012	Hideaki MATSUSHIMA	11/22/2012	Akihiro ONO	11/19/2012
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Mitsuru ODAHARA	11/15/2012								
Hideaki MATSUSHIMA	11/22/2012								
Akihiro ONO	11/19/2012								
RECEIVING PARTY DATA									
Name:	MURATA MANUFACTURING CO., LTD.								
Street Address:	10-1, Higashikotari 1-chome								
Internal Address:	Nagaokakyo-shi								
City:	Kyoto-fu								
State/Country:	JAPAN								
Postal Code:	617-8555								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13692827</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13692827				
Property Type	Number								
Application Number:	13692827								
CORRESPONDENCE DATA									
Fax Number:	7033901277								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	703 390 9051								
Email:	info@sbpatentlaw.com								
Correspondent Name:	Studebaker & Brackett PC								
Address Line 1:	12700 Sunrise Valley Drive								
Address Line 2:	Suite 102								
Address Line 4:	Reston, VIRGINIA 20191								
ATTORNEY DOCKET NUMBER:	003400-MM0008								
NAME OF SUBMITTER:	Tim L. Brackett, Jr.								
Total Attachments: 6									

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

Title of Invention:

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THEREOF

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 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.

WHEREAS Mitsuru ODAHARA
hereinafter referred to as the assignor, has invented a certain improvement relating to:

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THEREOF

The inventor declaration for said application is combined herewith.

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 STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198, 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, Nagakakyo-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 Mitsuru ODAHARA
発明者の署名	Signature Mitsuru ODAHARA
日付	Date 15 November, 2012

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

Title of Invention:

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THEREOF

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に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.

WHEREAS Hideaki MATSUSHIMA
hereinafter referred to as the assignor, has invented a certain improvement relating to:

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THEREOF

The inventor declaration for said application is combined herewith.

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 **STUDEBAKER & BRACKETT PC's** **CUSTOMER NUMBER 78198**, 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 Hideaki MATSUSHIMA
発明者の署名	Signature Hideaki MATSUSHIMA
日付	Date November 22, 2012

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- 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

- The attached application, or
 United States application or PCT international
application number _____
filed on _____

_____の日に出願された出願（該
当する場合）

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
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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.

WHEREAS Akihiro ONO

hereinafter referred to as the assignor, has invented a certain improvement relating to:

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THEREOF

The inventor declaration for said application is combined herewith.

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 STUDEBAKER & BRACKETT PC's CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

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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.

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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 Akihiro ONO
発明者の署名	Signature Akihiro ONO
日付	Date 19 November, 2012