

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiromi MIYOSHI</td> <td>03/30/2010</td> </tr> <tr> <td>Masaki INUI</td> <td>03/30/2010</td> </tr> <tr> <td>Hiromichi TOKUDA</td> <td>03/31/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hiromi MIYOSHI	03/30/2010	Masaki INUI	03/30/2010	Hiromichi TOKUDA	03/31/2010
Name	Execution Date								
Hiromi MIYOSHI	03/30/2010								
Masaki INUI	03/30/2010								
Hiromichi TOKUDA	03/31/2010								
<b>RECEIVING PARTY DATA</b>									
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								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12752875</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12752875				
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Application Number:	12752875								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(703)390-1277								
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NAME OF SUBMITTER:	Tim L. Brackett, Jr.								
Total Attachments: 2									

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**501137571**

**PATENT  
 REEL: 024177 FRAME: 0624**

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hiromi MIYOSHI, Masaki INUI and Hironichi TOKUDA hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

**ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING SAME**

the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; 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 the STUDEBAKER & BRACKETT PC **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 THIS WITNESSETH, 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 grant(s) the law firm of STUDEBAKER & BRACKETT PC the power to insert on this 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.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: March 30, 2010

Signature: Hiromi Miyoshi  
Name: Hiromi MIYOSHI

Date: March 30, 2010  
September 10, 2010

Signature: Masaki Inui  
Name: Masaki INUI

Date: March 31, 2010 Signature: *Hironichi Tokuda*  
Name: Hironichi TOKUDA

This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by two other persons who should sign here.

Witness name: \_\_\_\_\_ Signature: \_\_\_\_\_

Witness name: \_\_\_\_\_ Signature: \_\_\_\_\_