

## 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>Hiroyuki SASAKI</td> <td>07/30/2012</td> </tr> <tr> <td>Ikuo TAMARU</td> <td>07/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyuki SASAKI	07/30/2012	Ikuo TAMARU	07/30/2012				
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Ikuo TAMARU	07/30/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Murata Manufacturing Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>10-1 Higashikotari 1-chome</td> </tr> <tr> <td>City:</td> <td>Nagaokakyo-shi, Kyoto-fu</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>617-8555</td> </tr> </table>		Name:	Murata Manufacturing Co., Ltd.	Street Address:	10-1 Higashikotari 1-chome	City:	Nagaokakyo-shi, Kyoto-fu	State/Country:	JAPAN	Postal Code:	617-8555
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CORRESPONDENCE DATA											
<p>Fax Number: 5713137421          Phone: 571-313-7440          Email: mrhodes@kbiplaw.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Keating &amp; Bennett LLP          Address Line 1: 1800 Alexander Bell Dr.          Address Line 2: Suite 200          Address Line 4: Reston, VIRGINIA 20191</p>											
ATTORNEY DOCKET NUMBER:	36856.2493										
NAME OF SUBMITTER:	Michelle Rhodes										
Total Attachments: 1 source=36856-2493-PTO-20120823-Signed_Assignment#page1.tif											

OP \$40.00 13592387

Attorney Docket No.: 36856.2493

**ASSIGNMENT (WORLDWIDE)**

WHEREAS WE, **Hiroyuki SASAKI and Ikuo TAMARU** (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **ELECTRONIC COMPONENT** for which application for Letters Patent of the United States has been

executed on even date herewith;  
  x   filed on 08/23/12 as Serial No. 13/592,387.

WHEREAS, **Murata Manufacturing Co., Ltd., 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu Japan 617-8555** (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Dated: July 30, 2012

HIROYUKI SASAKI  
Hiroyuki SASAKI

Dated: July 30, 2012

IKUO TAMARU  
Ikuo TAMARU