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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<p>1. Name of conveying party(ies): Toshiaki Kaji, Yoshimasa Yoshino, Suetake Omiya, Koichi Yamada</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies) Name: <u>Murata Manufacturing Co., Ltd.</u> Internal Address: _____ Street Address: _____ 26-10, Tenjin 2-chome, Nagaokakyo-shi</p> <p>City: <u>Kyoto-fu</u> Country: <u>JAPAN</u> Zip: <u>617-8555</u> Additional name(s) &amp; address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>May 8, 2003, May 9, 2003</u></p>	

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the new application is: \_\_\_\_\_

A. Patent Application No.(s): 10/327,039  
B. Patent No.(s): \_\_\_\_\_

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Edward A. Meilman</u> <u>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</u> Internal Address: <u>Atty. Dkt.: M1071.1802/P1802</u> Street Address: <u>1177 Avenue of the Americas</u> <u>41st Floor</u></p> <p>City: <u>New York</u> State: <u>NY</u> Zip: <u>10036-2714</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed)</p> <p>8. Deposit account number: <u>50-2215</u> (Attach duplicate copy of this page if paying by deposit account)</p>
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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Edward A. Meilman, Reg. No. 24,735 Edward A. Meilman May 21, 2003  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 2

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WHEREAS, We, Toshiaki Kaji, Yoshimasa Yoshino, Suetake Omiya and Koichi Yamada, as assignors, have invented certain improvements in METHOD OF MANUFACTURING MONOLITHIC PIEZOELECTRIC CERAMIC DEVICE or which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., 26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, JAPAN, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: 5/8/2003

Toshiaki Kaji  
Toshiaki Kaji

Date: 5/9/2003

Yoshimasa Yoshino  
Yoshimasa Yoshino

Date: 5/8/2003

<sup>5/8/2003 50</sup>  
Seta Suetake Omiya  
Suetake Omiya

Date: 5/8/2003

Koichi Yamada  
Koichi Yamada

LEGALIZATION RECOMMENDED