

09-14-2006

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103307266

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**

Katsuhiro Horikawa (8/3/2006), Shinichiro Kawada (8/3/2006), and Ryoko Katayama (8/3/2006)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

**2. Name and address of receiving party(ies)**

Name: MURATA MANUFACTURING CO., LTD.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

Murata Manufacturing Co., Ltd.  
A170 Intellectual Property Department  
10-1, Higashikotari 1-chome  
Nagaokakyo-shi  
Kyoto-Fu; 617-8555; JAPAN

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Edward A. Meilman  
DICKSTEIN SHAPIRO LLP

Internal Address: Atty. Dkt.: M1071.1983

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**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1001  
Expiration Date 01/07

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

September 7, 2006

Date

Edward A. Meilman - 24,735

Name of Person Signing

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

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11/517484

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09/11/2006 SSITHIB1 00000090 11517484

01 FC:1011  
02 FC:1111  
03 FC:1311  
04 FC:0021

300.00 OP  
500.00 OP  
200.00 OP  
40.00 OP

DOCSNY-212538v01

**PATENT**  
**REEL: 018288 FRAME: 0424**

PATENT APPLICATION ASSIGNMENT  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

FILE NO. M1071.1983

WHEREAS, We, Shinichiro KAWADA, Ryoko KATAYAMA and Katsuhiro HORIKAWA assignors, have invented certain improvements in PIEZOELECTRIC CERAMIC COMPOSITION AND PIEZOELECTRIC CERAMIC ELECTRONIC COMPONENT for which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd. (Corporation of Japan) having a place of business at: 10-1, Higashikotari 1-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 assignor, 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: 3, August, 2006Shinichiro Kawada  
Shinichiro KAWADADate: August 3, 2006Ryoko Katayama  
Ryoko KATAYAMADate: August 3, 2006Katsuhiro HORIKAWA  
Katsuhiro HORIKAWA

LEGALIZATION RECOMMENDED