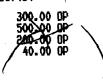
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103307266 To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Katsuhiro Horikawa (8/3/2006), Shinichiro Kawada Name: MURATA MANUFACTURING CO., LTD. (8/3/2006), and Ryoko Katayama (8/3/2006) Internal Address: X No Additional name(s) of conveying party(ies) attached? Street Address: Murata Manufacturing Co., Ltd. 3. Nature of conveyance/Execution Date(s): A170 Intellectual Property Department 10-1, Higashikotari 1-chome Execution Date(s): in parentheses after inventor name Nagaokakyo-shi x Assignment Meraer Change of Name Kyoto-Fu; 617-8555; JAPAN Joint Research Agreement Security Agreement City: Government Interest Assignment State: Executive Order 9424, Confirmatory License Zip: Country: Additional name(s) & address(es) Other Yes No attached? 4. Application or patent number(s): x This document is being filed together with a new application. B. Patent No.(s) A. Patent Application No.(s) This application Additional numbers attached? 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name: Edward A. Meilman DICKSTEIN SHAPIRO LLP 40.00 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Internal Address: Atty. Dkt.: M1071.1983 Authorized to be charged by credit card Street Address: 1177 Avenue of the Americas Authorized to be charged to deposit account 41st Floor None required (government interest not affecting title) New York 8. Payment Information City: NY 10036-2714 Zip: a. Credit Card 1001 State: Last 4 Numbers (212) 277-6520 Expiration Date Phone Number: (212) 277-6501 Fax Number: b. Deposit Account Number Authorized User Name MeilmanE@dicksteinshapiro.com Email Address: 9. Signature: September 7, 2006

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Edward A. Meilman - 24,735

Name of Person Signing

DOCSNY-212538v01

Total number of pages including cover

sheet, attachments, and documents:

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

FILE NO.<u>M1071.1983</u>

WHEREAS, We, Shinichiro KAWADA: Rvoko KATAYAMA and Katsuhiro HORIKAWA assignors, have invented certain improvements in PIEZOELECTRIC CERAMIC COMPOSITION AND PIEZOELECTRIC CERAMIC ELECTRONIC <u>COMPONENT</u> 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, 2006	Shinichiro Karvadoc	
	Shinichiro KAWADA	
Date: August 3, 2006	Ryoks Katayama Ryoko KATAYAMA	
Date: August 3, 2006	Katsuhiro HORIKAWA	
LEGALIZATION RECOMMENDED	Katsuhiro HORIKAWA	

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PATENT REEL: 018288 FRAME: 0425

RECORDED: 09/08/2006