700493189 09/12/2012

Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)	U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Office
RECORDATION FOR	RM COVER SHEET
PATENTS	S ONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Kenji Matsuo	Name: MURATA MANUFACTURING CO., LTD.
Additional name(s) of conveying party(les) attached? Yes X No	Internal Address: Street Address:
3. Nature of conveyance/Execution Date(s): Execution Date(s): July 17, 2012 Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Corrective Assignment to remove 13324523 from reel/frame 028669/0640 4. Application or patent number(s): A. Patent Application No.(s) 13/556,489	10-1, Higashikotari 1-chome Nagaokakyo-Shi Kyoto-fu 617-8555 JAPAN City:
Additional numbers attached	? Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Richard LaCaya DICKSTEIN SHAPIRO LLP Internal Address: Atty. Dkt.: M1071,3164	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0.00
Street Address: 1633 Broadway	Authorized to be charged to deposit account Enclosed X None required (previously paid)
City: New York	8. Payment Information
State: NY Zip: 10019-6708	
Phone Number: (212) 277-6544	
Fax Number: (212) 277-6501	Deposit Account Number
Email Address: WeisburdS@dicksteinshapiro.com	Authorized User Name
9. Signature:	
/Richard LaCava/	September 12, 2012
Signature	Date
Paramanan da a a a a a a a a a a a a a a a a	
Richard LaCava - 41,135 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

I hereby o Tradema	certify that this paper (along with any paperk Office, facsimile no. (571) 273-0140, or	er referred to as being the date shown bel	ng attached or enclose low.	d) is being transmitted by facsimile to the Patent and
Dated:	Sentember 12, 2012	Cimnohura	(Dishard LaCaus)	(B) 1 11 0: 1

PATENT

REEL: 028992 FRAME: 0374

502040036 08/28/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Remove incorrect application number from 028669/0640 previously recorded on Reel 028669 Frame 0640. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name Name	Execution Date
KEN DAMATOLIO	07/17/2012

RECEIVING PARTY DATA

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	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13556489

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ATTORNEY DOCKET NUMBER:

M1071.3164

NAME OF SUBMITTER:

Richard LaCava

PATENT REEL: 028992 FRAME: 0375 \$40,00 13556

'12年07月23日(月) 16時27分 宛先: DICKSTEIN

発信: MURATAGF 6259

R:218 P. 03

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

FILE NO. M1071.3164

WHEREAS, I (We), Kenji Matsuo as assignor(s), have invented certain improvements in ULTRASONIC VIBRATION DEVICE 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) address: 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, I (We), as assignor(s), 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 myself (ourselves) and my (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: 17 July, 2012

Kenji Matsuo
Kenji Matsuo

DOCSNY-508322vI



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JULY 31, 2012

PTAS

RICHARD LACAVA 1633 BROADWAY DICKSTEIN SHAPIRO NEW YORK, NY 10019

502005890

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 07/30/2012

REEL/FRAME: 028669/0640

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER:

M1071.3164

ASSIGNOR:

MATSUO, KENJI

DOC DATE: 07/17/2012

ASSIGNEE:

MURATA MANUFACTURING CO., LTD. 10-1 HIGASHIKOTARI 1-CHOME NAGAOKAKYO-SHI, KYOTO-FU, JAPAN 617-8555

APPLICATION NUMBER: 13324523> 13556489

FILING DATE: $\frac{12}{13} \frac{2011}{2011} = 07/24/2012$

ISSUE DATE:

PATENT NUMBER: TITLE: METHOD-OF

SELECTIVE DRUM MAINTENANCE IN A DRUM MAINTENANCE UNIT PRINTING APPARATUS ULTRASONIC VIBRATION DEVICE

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV

PATENT REEL: 028992 FRAME: 0377

502005890 07/30/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
1/2 - "	07/17/2012

RECEIVING PARTY DATA

Name:	Murata Manufacturing Co., Ltd.
Street Address:	10-1 Higashikotari 1-chome
City:	Nagaokakyo-shi, Kyoto-fu
State/Country:	JAPAN
Postal Code:	617-8555

PROPERTY NUMBERS Total: 1

Property Type	Number	-
Application Number:	13324523	-

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ATTORNEY DOCKET NUMBER: M1071.3164

NAME OF SUBMITTER:

Richard LaCava

Total Attachments: 1

source=m10713164#page1.tif

PATENT REEL: 028992 FRAME: 0378

RECORDED: 08/28/2012