Atty Docket: 36856.00220

10-15-1999 OMMERCE Form PTO-1595 1-31-92 mark Office RECORDATION FORM COVE 101169290 PATENTS ONLY To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Masaya WAJIMA Additional name(s) of conveying party(ies) attached? ☐ yes 図no Name: Murata Manufacturing Co., Ltd Address: 26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan (2b.) Name of Conveyance: Name Address: ☐ Merger Assignment Security Agreement Change of Name Additional name(s) & address(es) attached? □yes 図no Execution Date: September 28, 1999 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: September 28, 1999 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached

yes ∙□no Total number of applications and patents involved: one Name and address of party to whom correspondence concerning document should be mailed: Name: Joseph R. Keating, Esq. Internal Address: GRAHAM & JAMES LLP 7. Total fee (37 CFR 3.41):....\$ 40.00 Street Address: 801 S. Figueroa St., 14th FI City: Los Angeles State: CA ZIP 90017-5554 Enclosed Authorized to be charged to deposit account 8. Deposit account number: DO NOT USE THIS SPACE 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. October 5, 1999 Joseph R. Keating, Reg. No. 37,368 Signature Date Name of Person Signing Total number of pages comprising cover sheet, attachments and document: 2 00000250 09412966 10/14/1999 WIRATI 40.00 OP 01 FC:581 Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents

U.S. PATENT AND TRADEMARI

PATENT REEL: 010301 FRAME: 0983

Box Assignments Washington, D.C. 20231

Attorney Docket No.: 36856.220

ASSIGNMENT (WORLDWIDE)

WHEREAS, I. Masaya WAJIMA (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled ENERGY-TRAP PIEZOELECTRIC RESONATOR AND ENERGY-TRAP PIEZOELECTRIC RESONANCE COMPONENT for which application for Letters Patent of the United States has been

X	executed on even date herewith;		
	filed on	as Serial No	·

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyoshi, Kyoto-fu 617-8555 JAPAN (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: <u>September 28, 1499</u> <u>Masaya Wajima</u>
Masaya WAJIMA

RECORDED: 10/05/1999

211/84369.01 091099/1404/36856.00005

> PATENT REEL: 010301 FRAME: 0984