Form PTO-1595	3 - 2004 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Patent and Trademark Office
REC	ET
72.04 10278	88997 <u> </u>
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original	documents or copy thereof.
Name of conveying party(ies): Kiwamu SAKANO and Ryoichi OMOTE Additional name(s) of conveying party(ies) attached? □ yes 图no	2. Name and address of receiving party(ies): (2a.) Name: <u>Murata Manufacturing Co., Ltd.</u> Address: <u>26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555,</u> <u>Japan</u>
<ul> <li>3. Name of Conveyance:</li> <li>▲ Assignment</li></ul>	(2b.) Name Address: Additional name(s) & address(es) attached? □yes ⊠no
Execution Date: June 29, 2004	
4. Application number(s) or patent number(s):	on date of the application is: <u>July 2, 2004</u>
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers at	tached □ yes •□no
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: Joseph R. Keating, Esq.</li> </ol>	6. Total number of applications and patents involved: one
Internal Address: KEATING & BENNETT LLP Street Address: 10400 Eaton Place, Suite 312 City: Fairfax State: VA ZIP 22030 2/2004 NBYRKE 00000121 501353 10682365	<ul> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed</li> <li>Authorized to be charged to credit card with Credit Card Payment Form (PTO-2038)</li> <li>Authorized to be charged to deposit account</li> </ul>
2:802i 40.00 DA /	8. Deposit account number: 50-1353
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<ul> <li>9. Statement and signature.</li> <li>To the best of my knowledge and belief, the foregoing information is true and belief.</li> </ul>	and correct and any attached convisia true conviot the original document
Joseph R. Keating, Reg. No. 37,368 Name of Person Signing	26
	otal number of pages comprising cover sheet, attachments and document:3
· Box As	her for Patents signment n, D.C. 20231

PATENT REEL: 015545 FRAME: 0143

Attorney Docket No.36856.1265

Attorney Docket No.: 36856.1265

## ASSIGNMENT (WORLDWIDE)

WHEREAS, We, Kiwamu SAKANO and Ryoichi OMOTE (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled SURFACE ACOUSTIC WAVE DEMULTIPLEXER for which application for Letters Patent of the United States has been

executed on even date herewith; \_\_\_\_\_\_ filed on \_\_\_\_\_\_ as Serial No. \_\_\_\_\_\_

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, 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: 6/29/2004 Kiwamu Sakano-Kiwamu SAKANO

PATENT REEL: 015545 FRAME: 0144 · .

Dated: \_\_\_\_\_\_ 6/29/2004 Ryoichi Omote Ryoichi OMOTE

PATENT REEL: 015545 FRAME: 0145

**RECORDED: 07/02/2004**