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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
<b>1. Name of conveying party(ies)/Execution Date(s):</b> Motoi NAKANISHI Toru ISHII Tetsu NISHIMURA  Execution Date(s) <u>08/04/05, 08/05/05, and 08/05/05</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>MURATA MANUFACTURING CO., LTD</u> Internal Address: _____  Street Address: <u>10-1 Higashikotari 1-chome</u>  City: <u>Nagaokakyo-shi</u> State: <u>Kyoto-fu</u> Country: <u>JAPAN</u> Zip: <u>617-8555</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>10/519,642</u> B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Joseph R. Keating, Esq.</u> Internal Address: <u>Keating &amp; Bennett, LLP</u>  Street Address: <u>10400 Eaton Place, Suite 312</u>  City: <u>Fairfax</u> State: <u>VA</u> Zip: <u>22030</u> Phone Number: <u>703-385-5200</u> Fax Number: <u>703-385-5080</u> Email Address: <u>mrhodes@kbiplaw.com</u>	<b>6. Total number of applications and patents involved:</b> <u>1</u> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) <b>8. Payment Information</b> a. Credit Card Last 4 Numbers <u>5008</u> Expiration Date <u>05/2008</u> b. Deposit Account Number _____ Authorized User Name _____
<b>9. Signature:</b> <u>[Signature]</u> <u>08/09/05</u> Signature Date Joseph R. Keating (Registration Number: 37,368) Total number of pages including cover sheet, attachments, and documents: <u>4</u> Name of Person Signing	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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PATENT  
REEL: 016623 FRAME: 0056

Attorney Docket No.: 36856.1311

**ASSIGNMENT (WORLDWIDE)**

WHEREAS, We, Motoi NAKANISHI, Toru ISHII, and Tetsu NISHIMURA (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled **RADAR** for which application for Letters Patent of the United States has been

— executed on even date herewith;  
x filed on December 24, 2004 as Serial No. 10/519,642

WHEREAS, Murata Manufacturing Co., Ltd., 10-1 Higashikotari 1-chome, Nagakakyo-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: August 4, 2005

Motoi Nakanishi  
Motoi NAKANISHI

Dated: August 5, 2005

ISHII Toru  
Toru ISHII

**PATENT**  
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発信 MURATA MFG

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Dated: August 5, 2005

Tetsu Nishimura  
Tetsu NISHIMURA

RECORDED: 08/09/2005

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