U.S. PATENT AND TRADEMARK OFFICE

Atty Docket: 36856.397

Form PTO-1595 1-31-92 01 - 05	-2001 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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To the Honorable Commissioner of Patents and Trademarks:	
Name of conveying party(ies): Takashi YAMAMUIO	72175 ————————————————————————————————————
Additional name(s) of conveying party(ies) attached? 口 yes 图no	2. Name and address of receiving party(ies): (2a.) Name: Murata Manufacturing Co., Ltd. Address: 26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan
3. Name of Conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: December 6, 2000	(2b.) NameAddress:Address(es) attached? □yes 図no
Application number(s) or patent number(s):	09734063
If this document is being filed together with a new application, the execution	
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers at	<u> </u>
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Joseph R. Keating, Esq. Internal Address: KEATING & BENNETT LLP Street Address: 10400 Eaton Place, Suite 312 City: Fairfax State: VA ZIP 22030	7. Total fee (37 CFR 3.41):\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
TREE TEACHER	THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true of Christopher A. Bennett, Reg. No. 46,710 Name of Person Signing To Mail documents to be recorded with required cover sheet information to: Assistant Comm	and correct and any attached copy is a true copy of the original document. December 11, 2000 Date

PATENT REEL: 011386 FRAME: 0265

Attorney Docket No.: 36856.397

ASSIGNMENT (WORLDWIDE)

WHEREAS, I, Takashi YAMAMOTO (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled LADDER FILTER 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, 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: 6 Dec. 2000 Jahashi Yanamutu Takashi YAMAMOTO

RECORDED: 12/11/2000

PATENT REEL: 011386 FRAME: 0266

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