P/1071-1348

PAT

/ER SHEET

101738910 To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof. 1. Name of conveying party(ies): Name and Address of receiving party(ies): 15/24/01 Shin ABE Murata Manufacturing Co., Ltd., Seiji HIDAKA Dept. A170 Shingo OKAJIMA 26-10, Tenjin 2-chome Nagaokakyo-shi, Kyoto-fu 617-8555, Japan Type of Entity: Individual Type of Entity: Foreign Corporation Additional names(s) of conveying party(ies) attached? No Additional name(s) & address(es) attached? Nature of Conveyance: Assignment **Execution Date:** 5/8/01 and 5/9/01 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: 5/8/01 and 5/9/01 A. Application No.(s) B. Patent No.(s) 09/865/46 Additional numbers attached? No 5. Name and address of party to whom Total number of documents involved: One correspondence concerning document should be mailed: OSTROLENK, FABER, GERB & SOFFEN, LLP \$ 40.00 7. Total fee (37 CFR 3.41): 1180 Avenue of the Americas Enclosed as part of Check No. New York, New York 10036-8403 In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700. DO NOT USE THIS SPACE 8. 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. James A. Finder May 24, 2001 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document:

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

WHEREAS, I (We). Shin ABE, Seili HIDAKA and Shingo OKAJIMA as assignor(s), have invented certain improvements in COAXIAL RESONATOR, FLITTER, PUPLEXER, AND COMMUNICATION DEVIUE for which an application for United States Letters Patent has been executed by me (us) of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., Dept. A170, 26-10. Tentin 2-shome, Wagankakvo-shi, Kyoto-fu 617-8555, Japan as assignee, is desirous of acquiring all right, title and interest in and to eaid 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 eforesaid 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 heraby authorized and requested to issue all patents on said inventions or resulting therefrom to said assigned herein, as assigned of the entire interest thursin; and the undersigned for myself (ourselves) and my (our) logal representatives, heirs and assigns do hereby agree and covenant without further remineration, to execute and deliver all divisional, continuation, reissue and other applications for Potent 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 parent 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

Shin Abe

Shin Abe

Shin Abe

Shin Abe

Shin Abe

Shing Okaying

Shingo Okayina Date: & Play 200/ Date: 9 May 200/

LEGALIZATION RECOMMENDED

RECORDED: 05/24/2001

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PATENT REEL: 011849 FRAME: 0680