12-21-2000 P/1071-1094 PATE **ER SHEET** 101557760 To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof. 2. Name and Address of receiving party(ies): 1. Name of conveying party(ies): Yasuhiro NABIKA Murata Manufacturing Co., Ltd. Tetsukazu OKAMOTO 26-10, Tenjin 2-chome Toshiharu HIROTA Nagaokakyo-shi Kyoto-fu 617-8555 Japan Yoshitaka NAGAO Type of Entity: Individuals Type of Entity: Corporation-Japan Additional names(s) of conveying party(ies) attached? Additional name(s) & address(es) attached? No 3. Nature of Conveyance: Assignment **Execution Date:** August 11, 2000 4. 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: B. Patent No.(s) A. Application No.(s) 09/634,086 Additional numbers attached? No 1 6. Total number of documents involved: Name and address of party to whom correspondence concerning document should be mailed: \$40.00 7. Total fee (37 CFR 3.41): OSTROLENK, FABER, GERB & SOFFEN, LLP 1180 Avenue of the Americas 002257 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

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Edward A. Meilman

Name of Person Signing

September 1, 2000

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

WHEREAS, We, Yasuhiro NABIKA, Tetsukazu OKAMOTO, Toshiharu HIROTA and Yoshitaka NAGAO, as assignors, nave invented certain improvements in SEMICONDUCTOR CERAMIC AND SEMICONDUCTOR CERAMIC DEVICE for which an application for United States Letters Patent has been executed by as of even date nerewith; and

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-iu 617-8555, Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted herefor.

NOW. THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, 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 aforesaid 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 hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent 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 patent 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.

Date: 200 Aug. 11

Jasuhiro Nabika Yasuhiro NABIKA

Date: 1000 . Aug . 11

Tetsukazu OKAMOTO

Date: 2.70 . Lut. 1

Tochibaru HIROTA

Date: 2000 Aug /1

Yoshitaka NAGAO

LEGALIZATION RECOMMENDED

00463574.1

RECORDED: 12/01/2000

PATENT REEL: 011343 FRAME: 0997