MRD 1-12-99

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U.S. DEPARTMENT CF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto 1. Name of Conveying Party(ies): 2. Name and address of receiving party(ies): Atsushi TOMINAGA Name: Mitsubishi Denki Kabushiki Kaisha Address: 2-3, Marunouchi 2-chome, Chiyoda-ku Additional name(s) of conveying party(ies) attached? \(\bar{\cap}\) Yes 3. Nature of Conveyance: Tokyo 100-8310, JAPAN Assignment Meiger | Security Agreement Change of Name Other Execution Date December 24, 1998 Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): If he document is being filed together with a new application, the execution date of the application is: 1 ecember 24, 1998 A Patent Application No(s). B Patent No(s). Additional numbers attached? Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: Concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY \$40.00**£** 7. Total fee (37 CFR 3.41) Internal Address Enclosed Authorized to be charged to deposit account Street Address: 600 13th Street, N.W. 8. Deposit account number: 500417 Washington State: DC 20005 Zip: DO NOT USE THIS SPACE ment and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any artace of the original document. 9. Statement and signature.  $m{k} \in Lcopv$  is a true ccpvStephen A. Becker, 26,527 January 12, 1999 Name and Registration No. of Person Signing Date Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94)

REEL: 9701 FRAME: 0140

Docket No.: 50090-110

## <u>ASSIGNMENT</u>

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, Atsushi Tominaga who has made a certain new and useful invention, hereby sells, assigns and transfers unto Mitsubishi Denki Kabushiki Kaisha 2-3, Marunouchi 2-chome Chiyoda-ku, Tokvo 100-8310 JAPAN its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled SEMICONDUCTOR DEVICE HAVING HIGH-DENSITY CAPACITOR ELEMENTS, AND MANUFACTURING METHOD THEREOF for which an application for United States Letters Patent was executed on even date herewith, and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations or continuations in part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE. for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE its successors. assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based ther con. growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred. SIGNED on the date indicated aside my signature: DATE SIGNED

Name: Atsushi Tominaga

**RECORDED: 01/12/1999** 

December 24, 1948

**PATENT** REEL: 9701 FRAME: 0141