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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Docket No.: 49657-159 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 2. Name and address of receiving party(ies): 1. Name of Conveying Party(ies): Youichi TOBITA Mitsubishi Denki Kabushiki Kaisha 2-3, Marunouchi 2-chome, Chiyoda-ku Address: Additional name(s) of conveying party(ies) attached? \(\subseteq \text{Yes} \) TOKYO 100-8310, JAPAN 3. Nature of Conveyance: Merger Security Agreement Change of Name Other Execution Date: August 27, 1998 Additional name(s) & address(es) attached? Yes 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: August 27, 1998 B. Patent No(s). A. Patent Application No(s). Additional numbers attached? Yes 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: \$40.00 Name: MCDERMOTT, WILL & EMERY 7. Total fee (37 CFR 3.41) Enclosed Internal Address: Authorized to be charged to deposit account 8. Deposit account number: 99 Canal Center Plaza, Suite 300 Street Address: 500417 City: Alexandria State: VA Zip: 22314 09/23/1998 DNGIDEN 00000196 500417 09149050 DO NOT USE THIS SPACE 01 FC:581 40.00 CH 9. Statement and signature. 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. September 8, 1998 Stephen A. Becker, 26,527 Name and Registration No. of Person Signing Date Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94)

Docket No.:

6) ____ Name:

ASSIGNMENT

Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 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 ALLOWING FAST AND STABLE TRANSMISSION OF SIGNALS (a) for which an application for United States Letters Patent was filed on, and identified by United States
who have made a certain new and useful invention, hereby sell, assign and transfer unto Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 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
as defined in 35 U.S.C. 100 in the invention entitled SEMICONDUCTOR DEVICE ALLOWING FAST AND STABLE TRANSMISSION OF SIGNALS (a) for which an application for United States Letters Patent was filed on, and identified by United States
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(a) for which an application for United States Letters Patent was filed on, and identified by United States Serial No; or
(b) for which an application for United States Letters Patent was executed on August 27, 1998
and the undersigned hereby authorize and request 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, substitutes, renewals, 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 agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:
AND the undersigned hereby agree 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 thereon, 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 dates indicated aside our signatures:
INVENTORS DATE SIGNED
1) Youich Tolita August 27, 1998 Name: Youichi TOBITA
2) Name:
3)
Name: 5) Name:

PATENT REEL: 9467 FRAME: 0849