FORM PTO-1596 1-31-92 101202320 EET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 57454-269			
To the Honorable Commissioner for 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):		
Hiroaki TANIZAKI, Shigeki TOMISHIMA, Mitsutaka	Name: MITSUBISHI DENKI KABUSHIKI KAISHA		
NIIRO, Masanao MARUTA, Hiroshi KATO, Masatoshi	Address: 2-3, Marunouchi 2-chome		
ISHIKAWA, Takaharu TSUJI, Hideto HIDAKA and Tsukasa	Chiyoda-ku		
OOISHI ///////////////////////////////////	Tokyo 100-8310, JAPAN		
Additional name(s) of conveying party(ies) attached? Yes	Name: MITSUBISHI ELECTRIC ENGINEERING CO., LTD.		
3. Nature of Conveyance:	Address: 6-2, Ootemachi 2-chome		
	Chiyoda-ku		
☐ Security Agreement ☐ Change of Name	Tokyo 100-0004 JAPAN		
Other	20 mm		
Execution Date: October 2, 2001	1,10		
. 0.10	Additional name(s) & address(es) attached? Yes		
4. Application number(s) or patent number(s):	87277		
If the document is being filed together with a new application,			
A. Patent Application No(s).	B. Patent No(s).		
Additional numb			
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:		
concerning document should be mailed:	D40.00		
Name: MCDERMOTT, WILL & EMERY	7. Total fee (37 CFR 3.41) \$40.00		
Internal Address:	☐ Enclosed		
	Authorized to be charged to deposit account		
Street Address: 600 13 <sup>th</sup> Street, N.W.	8. Deposit account number:		
	500417		
City: Washington State: DC Zip: 20005			
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9. Statement and signature.			
To the best of my knowledge and belief, the foregoing inf	formation is true and correct and any attached copy is a true copy		
of the original document.			
${\cal A}$	C0000		
Stephen A. Becker, 26,527	November 14, 2001		
Name and Registration No. of Person Signing	Signature Date		
	Total number of pages comprising cover sheet: 1		
CMB No. 0851-0011 (exp. 4/94)			

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> **PATENT REEL: 012307 FRAME: 0704**

**REEL: 012307 FRAME: 0705** 

Docket No.:

**RECORDED: 11/14/2001** 

## **ASSIGNMENT**

is hereby acknowledged, the undersigne		in hand paid, the receipt and sufficiency of which
(1) <u>Hiroaki TANIZAKI</u>		
(2) <u>Shiqeki TOMISHIMA</u>	a area	
(3) Mitsutaka NIIRO		
who have made a certain new and usefu	ul invention, hereby sell, assign and transfe	er unto
(1 <u>)Mitsubishi Denki Kabus</u>	shiki Kaisha of	
2-3. Marunouchi 2-chom	ne, Chiyoda-ku, TOKYO 100	0-8310 JAPAN ed of
6-2. Ootemachi 2-chome	Chiyoda-ku, TOKYO 100-	-0004 JAPAN
its successors and assigns (hereinafter das defined in 35 U.S.C. 100 in the inve	designated "ASSIGNEE") the entire right, tention entitled	title and interest for the United States of America
SEMICONDUCTOR MEMORY DI	EVICE CAPABLE OF REDUCING	G LEAKAGE CURRENT FLOWING
(a) for which an application for United Serial No;	d States Letters Patent was filed on or	, and identified by United States
••	d States Letters Patent was executed on O	
United States Letters Patent which ma continuations, or continuations-in-part Industrial Property to the said ASSIG undersigned agree that the attorneys of AND the undersigned hereby and obtaining original divisional reiss	ty be granted therefor and any and all ext thereof, and the right to all benefits under iNEE, for its interest as ASSIGNEE, its record in said application shall hereafter a agree to transfer a like interest, and to rende	er all necessary assistance in making application for ed States, upon request of the said ASSIGNEE, its
successors, assigns and legal representat	tives, and without further remuneration, in and to the said invention; and to execute any paintial to ASSIGNEE's full protection and ti	nd to any improvements, and applications for paten pers by the said ASSIGNEE, its successors, assignate in and to the invention hereby transferred.
INVENTORS	our signatures.	DATE SIGNED
1) Hiroaki Tanizaki		October 2, 2001
1) Hiroaki Janizaki Name: Hiroaki TANIZAKI	0 `	
2) <u>Skegebi Jomisk</u> Name: Shigeki TOMISHIM	lima	October 2, 2001
3) _ mitsutaka hiiro		October 2, 2001
Name: Mitsutaka NIIRO		
Name: Masanao MARUTA		October 2, 2001
11 1 1 1		October 2, 2001
5) HMRHA PALO Name: Hiroshi KATO		
6) Masutoshi Ishikan	Ja	October 2, 2001
Name: Masatoshi ISHIKA	AWA	2001
7) Jakaharu TSUJI		October 2, 2001
8) Wedet Ou	delou	October ?, 2001
Name: Hide to HIDAKA	<del>7</del>	
9) Juhan Confi	<u> </u>	October 2, 2001
Name: Tsukasa OOISHI		PATENT