11-18-98

12-01-1998

FORM PTO-1596	100911772	HEEI	U.S. DEPARTMENT OF C		
1-31-92 <b>Docket No.: 49657-197</b>	PATENTS	/L tam	ratem and frauentark 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. N	ame and address of receiv	ing party(ies):	2	
Takaharu TSUJI, Tsukasa OOISHI, Hiroshi KATO, Shigeki		ne: Mitsubishi Denki	Kabushiki Kaisha	£ 2 =	
TOMISHIMA, and Hiroki SHIMANO				S. 521	
	Add	ress: 2-3, Marunouchi 2	2-chome, Chiyoda-ku	19 19 19 19 19 19 19 19 19 19 19 19 19 1	
Additional name(s) of conveying party(ies) atta	iched? [ Yes			2002	
3. Nature of Conveyance:		TOKYO 100-8310	), JAPAN	D E	
	lerger				
_	hange of Name				
Other					
Execution Date: October 14, 1998					
	Add	itional 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 ex	ecution date of the applica	ation is: October 14, 1	1998	
A. Patent Application No(s).	B. 1	Patent No(s).			
Additional numbers attached?  Yes					
5. Name and address of party to whom corresp	oondence 6. T	otal number of application	as and patents involved:	1	
concerning document should be mailed:					
Name: MCDERMOTT, WILL & EMERY	7. 1	otal fee (37 CFR 3.41)		\$40.00	
Internal Address:		Enclosed			
		Authorized to be charg	ed to deposit account		
Street Address: 99 Canal Center Plaza, St	aite 300 8. I	Deposit account number:			
		500417			
City: Alexandria State: VA	Zip: 22314				
	DO NOT USE TI	IIS SPACE			
9. Statement and signature.					
To the best of my knowledge and belie	f, the foregoing informa	ion is true and correct and	d any attached copy is a	true copy	
of the original document.	/	) ,			
	No.	.010			
Stephen A. Becker, 26,527			November 1		
Name and Registration No. of Person Signing		gnature	Date		
	Total	number of pages compris	ing cover sheet:	1	
CMR No. 0851-0011 (exp. 4/94)					

11/27/1998 JWATKINS 00000184 500417 09195212 01 FC:581 40.00 CH

Docket No..

## **ASSIGNMENT**

In consideration of the premises and other good and valuabis hereby acknowledged, the undersigned,	le consideration in hand paid, the receipt and sufficiency of which
(I) Takaharu TSUJI (2) Tsukasa OOISHI (3) Hiroshi KATO	(4) Shigeki TOMISHIMA (5) Hiroki SHIMANO (6)
who have made a certain new and useful invention, hereby sell, as  Mitsubishi Denki Kabushiki Kaisha of	sign and transfer unto
2-3, Marunouchi 2-chome, Chiyoda-ku,	TORYO 100-8310 JAPAN
its successors and assigns (hereinafter designated "ASSIGNEE") thas defined in 35 U.S.C. 100 in the invention entitled	
SEMICONDUCTOR MEMORY DEVICE CAPABLE OF REDUNDANT CELLS	HIGH SPEED OPERATION AND INCLUDING
(a) for which an application for United States Letters Patent was f Serial No; or	iled on, and identified by United States
(b) for which an application for United States Letters Patent was e	executed on October 14, 1998
and the undersigned hereby authorize and request the United State United States Letters Patent which may be granted therefor and a continuations, or continuations-in-part thereof, and the right to all Industrial Property to the said ASSIGNEE, for its interest as AS undersigned agree that the attorneys of record in said application shades.	ny and all extensions, divisions, reissues, substitutes, renewals, benefits under the International Convention for the Protection of SIGNEE, its successors, assigns and legal representatives; the hall hereafter act on behalf of said ASSIGNEE:
AND the undersigned hereby agree to transfer a like interest and obtaining original, divisional, reissued or extended Letters Pate successors, assigns and legal representatives, and without further remarkable thereon, growing out of or related to the said invention; and to and legal representatives, deemed essential to ASSIGNEE's full pro-	uneration, in and to any improvements, and applications for patent execute any papers by the said ASSIGNEE, its successors, assigns
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1) Jakaham Jsuji	October 14, 1998
Name: Takaharu TSUJI  2)	October 14, 1998
Name: Tsukasa OOISHI 3) Ainshi hato	October 14, 1998
Name: Hiroshi KATO 4) Shigeh Tomishina	October 14, 1998
Name: Shigeki TOMISHIMA  5)	October 14, 1998

PATENT REEL: 9602 FRAME: 0730

Name: