

U.S. DEPARTMENT OF COMMERCE

Docket No.: 49657-787	O6650 Patent and Trademark Office			
	Please record the attached original documents or copy thereto:			
1. Name of Conveying Party:	2. Name and address of receiving party:			
Yutaka IKEDA	Name: Mitsubishi Denki Kabushiki Kaisha			
	Address: 2-3, Marunouchi 2-chome			
Additional name(s) of conveying party(ies) attached?   Yes	Chiyoda-ku			
3. Nature of Conveyance:	Tokyo 100-8310, Japan			
	25.7			
☐ Security Agreement ☐ Change of Name				
Other	<u> </u>			
Execution Date: August 22, 2000				
,	Additional name(s) & address(es) attached?			
4. Application number(s) or patent number(s):	668172			
If the document is being filed together with a new application,	\ <del>-</del> '			
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	7. Total fee (37 CFR 3.41) \$40.00 -			
Internal Address:	☐ Enclosed			
	Authorized to be charged to deposit account			
Street Address: 600 13th Street, N.W.	8. Deposit account number:			
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City: Washington State: DC Zip: 20005				
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9. Statement and signature.				
To the best of my knowledge and belief, the foregoing in	formation is true and correct and any attached copy is a true copy			
of the original document.				
*	$+$ $\lambda$			
Stephen A. Becker, 26,527	September 25, 2000			
Name and Registration No. of Person Signing	Signature Date			
_ /_	Total number of pages comprising cover sheet: 1			
CMB No. 0851-0011 (exp. 4/94)				

11/06/2000 NTHAI1

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**PATENT REEL: 011201 FRAME: 0945**  Docket No.:

**RECORDED: 09/25/2000** 

## **ASSIGNMENT**

(3) (6) (9) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(1) Yutaka IKEDA	(4)	(7)	
(a)	(2)	(5)	(8)	<u> </u>
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, Chivoda-ku, TOKYO 100-8310 JAPAN  is 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 MEMORY DEVICE WITH A PLURALITY OF MEMORY BLOCKS  (a) for which an application for United States Letters Patent was filed on	(3)	(6)	(9)	
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 MEMORY DEVICE WITH A PLURALITY OF MEMORY BLOCKS  (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, and identified by United States Serial No, 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 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 exceute 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:  Name:    Name:	who have made a certain new and us	seful invention, hereby sell, assi		
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 MEMORY DEVICE WITH A PLURALITY OF MEMORY BLOCKS  (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, and identified by United States Serial No, or  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, and publication 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 transferre	Mitsubishi Denki Kab	ushiki Kaisha of		·
SEMICONDUCTOR MEMORY DEVICE WITH A PLURALITY OF MEMORY BLOCKS  (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 22, 2000,  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, or continuations, and any and all extensions, divisions, reissues, substitutes, renewals, and 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 SSIGNEE, 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  Name:	2-3, Marunoueni 2-en	ome, chiyoda-ku, To	DRYO 100-8310 JAPAN	
(a) for which an application for United States Letters Patent was filed on	its successors and assigns (hereinafte as defined in 35 U.S.C. 100 in the in	er designated "ASSIGNEE") the nvention entitled	entire right, title and interest for the United Stat	es of America
(b) for which an application for United States Letters Patent was executed on August 22, 2000  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:  DATE SIGNED  Name:  1) Harding August 22, 2000  Name:  4) Name:  5) Name:  7) Name:  7) Name:  7) Name:	SEMICONDUCTOR MEMORY	DEVICE WITH A PLU	RALITY OF MEMORY BLOCKS	
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)   HATE SIGNED  August 22, 2000  Name:  4)  Name:  4)  Name:  5)  Name:  6)  Name:  7)  Name:	(a) for which an application for Un Serial No.	ited States Letters Patent was file	d on, and identified by	United States
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  Name:  1) Hattaka Ikeda August 22, 2000  Name:  Yutaka Ikeda August 22, 2000  Name:  7) Name:  Name:  7) Name:	(b) for which an application for Un	ited States Letters Patent was ex	cuted on August 22, 2000 .	
INVENTORS   DATE SIGNED     August 22, 2000     Name: Yutaka IKEDA     Name:     Nam	Industrial Property to the said ASS undersigned agree that the attorneys  AND the undersigned hereb and obtaining original, divisional, re successors, assigns and legal represent based thereon, growing out of or relationships and the said ASS undersigned agreement agreement.	IGNEE. for its interest as ASS of record in said application sharp agree to transfer a like interest, issued or extended Letters Patent tatives, and without further remured to the said invention; and to extend to the said invention; and to extend to the said invention;	GNEE. its successors, assigns and legal represal hereafter act on behalf of said ASSIGNEE:  and to render all necessary assistance in making a of the United States, upon request of the said A eration, in and to any improvements, and applicate ecute any papers by the said ASSIGNEE, its successions.	sentatives; the application for SSIGNEE, its itons for patent essors, assigns
1)		e our signatures:	D AME OLGANICO	
2) Name:  Name:  Name:  Name:  Name:  Name:  Name:	1 Lutaba Ilai	da		
3) Name: 4) Name: 5) Name: 6) Name: 7) Name:	Name: Yutaka IKEDA	<u> </u>	1144481 227 2000	
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