

FORM PTO-1596

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U.S. DEPARTMENT OF COMMERCE

Docket No.: 57454-660         FATEINIS UNL 1         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):         Name:       MITSUBISHI DENKI KABUSHIKI KAISHA         Address:       2-3, Marunouchi 2-chome         Chiyoda-ku       Chiyoda-ku         3. Nature of Conveyance:       Tokyo 100-8310, JAPAN         Assignment       Merger         Security Agreement       Change of Name         Other					
1. Name of Conveying Party(ies):  Katsumi DOSAKA  7.//.O2  Additional name(s) of conveying party(ies) attached?  Yes  3. Nature of Conveyance:					
Katsumi DOSAKA  7					
Additional name(s) of conveying party(ies) attached?					
Additional name(s) of conveying party(ies) attached?					
3. Nature of Conveyance:  ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Other  Tokyo 100-8310, JAPAN  Tokyo 100-8310, JAPAN					
<ul> <li>☑ Assignment</li> <li>☐ Security Agreement</li> <li>☐ Other</li> <li>☐ Merger</li> <li>☐ Change of Name</li> <li>☐ Other</li> </ul>					
☐ Security Agreement ☐ Change of Name ☐ Other					
☐ Other					
Execution Date: June 28, 2002					
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: June 28, 2002					
A. Patent Application No(s).  B. Patent No(s).					
10/192721					
Additional numbers attached?  Yes					
5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1					
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 13 <sup>th</sup> Street, N.W. 8. Deposit account number:					
500417					
City: Washington State: DC Zip: 20005					
DO NOT USE THIS SPACE					
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.					
_//					
Stephen A. Becker, 26,527 July 11, 2002					
Name and Registration No. of Person Signing  Signature  Date					
/ Total number of pages comprising cover sheet: 1					
CMB No. 0851-0011 (exp. 4/94)					

07/23/2002 LMUELLER 00000032 500417 10192721

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**PATENT** 

**REEL: 013097 FRAME: 0796** 

Docket No.:

## **ASSIGNMENT**

In consideration of the premis is hereby acknowledged, the undersign	es and other good and va	aluable conside	ration in hand paid, the receipt and suffic	iency of which
(1) Katsumi DOSAKA	(4)		(7)	-
(1) Katsumi DOSAKA (2)	(5)		(8)	
(3)	(6)		(9)	
who have made a certain new and use	ful invention, hereby se	ll, assign and t		
Mitsubishi Denki Kabu 2-3, Marunouchi 2-cho			100 0210 7171	
z-5, Maranoueni z-ene	me, chryoda-kt	1, 10010	100-8310 JAPAN	
its successors and assigns (hereinafter as defined in 35 U.S.C. 100 in the inv	designated "ASSIGNEE	E") the entire ri	ight, title and interest for the United Sta	tes of America
DYNAMIC SEMICONDUCTOR	MEMORY DEVICE	WITH ADJ	JUSTABLE REFRESH FREQUEN	CY
(a) for which an application for Unite Serial No.	ed States Letters Patent v	was filed on _	, and identified by	United States
(b) for which an application for Unite	ed States Letters Patent	was executed o	June 28, 2002	
United States Letters Patent which m continuations, or continuations-in-part Industrial Property to the said ASSIC undersigned agree that the attorneys o AND the undersigned hereby and obtaining original, divisional, reis successors, assigns and legal representabased thereon, growing out of or related	ay be granted therefor a thereof, and the right to GNEE, for its interest a f record in said application agree to transfer a like in sued or extended Letters tives, and without further d to the said invention; ar	and any and all benefits un as ASSIGNEE, ion shall herea atterest, and to repair of the remuneration and to execute and the e	ssioner of Patents and Trademarks to issal extensions, divisions, reissues, substituted the International Convention for the its successors, assigns and legal representer act on behalf of said ASSIGNEE:  render all necessary assistance in making United States, upon request of the said A in and to any improvements, and applicately papers by the said ASSIGNEE, its successful title in and to the invention hereby to	utes, renewals, e Protection of sentatives; the application for ASSIGNEE, its tions for patent tessors, assigns
SIGNED on the dates indicated aside INVENTORS	our signatures:		DATE SIGNED	
1) Rateumi Gasaka			June 28, 2002	
1) Patium Gonka Name: Katsumi DOSAKA		•		
2) Name:				<del></del>
3) Name:		•		
4) Name:				
5) Name:		•		
6) Name:				
7) Name:				
Name:		-		
9) Name:				

**RECORDED: 07/11/2002** 

PATENT REEL: 013097 FRAME: 0797