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То			
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	Dong-Hwa KWAK, Yoo-Sang HWANG and Tae-Young CHUNG	Name: <u>Samsung Electronics Co., Ltd.</u> Internal Address:	
Ad	lditional name(s) of conveying party(ies) attached? <u>No</u>	Street Address: <u>416, Maetan-dong, Paldal-gu</u> , Kyungki-do	
3.	Nature of conveyance:		
	XX Assignment Merger Security Agreement Change of Name Other	City: <u>Suwon-city</u> , State: <u>REPUBLIC OF KOREA</u> ZIP:	
	Execution Date: June 28, 1999	Additional name(s) & address(es) attached? No	
4.	Application number(s) or patent number(s):		
	A. Patent Application No.(s) 09/346999	B. Patent No.(s)	
	·		
5.	Additional number	s attached? <u>No</u>	
5.	·		
5.	Additional number Name and address of party to whom correspondence	s attached? <u>No</u> 6. Total number of applications and patents	
5.	Additional number Name and address of party to whom correspondence concerning document should be mailed:	s attached? <u>No</u> 6. Total number of applications and patents involved: <u>1</u>	
5.	Additional number Name and address of party to whom correspondence concerning document should be mailed: Name: Eugene M. Lee	s attached? <u>No</u> 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. § 3.41)\$ <u>40.00</u>	
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2117	Additional number Name and address of party to whom correspondence concerning document should be mailed: Name: Eugene M. Lee Internal Address: FOLEY & LARDNER Street Address: <u>3000 K Street, N.W., Suite 500</u> City: <u>Washington</u> , State: <u>D.C.</u> ZIP: <u>20007-5109</u>	 s attached? No 6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. § 3.41)\$40.00 XX Enclosed Authorized to be charged to deposit account 	
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ASSIGNMENT

name and address of assignee	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto Samsung Electronics Co., Ltd. 416, Maetan-dong, Paldal-gu, Suwon-city Kyungki-do, REPUBLIC OF KOREA
	(hereinatter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to
title of invention	SEMICONDUCTOR DEVICE WITH PILLAR SHAPED CAPACITOR STORAGE NODE AND METHOD OF FABRICATING THE SAME
	as set forth in his United States Patent Application
check one	

executed on _____

Serial No. _____ Filed _____

In and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Latters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, legal representatives or assigns or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS						
Name Dong-Hwa KWAK	Signature. Dong-Hura KWa	K Date: 1999.6.28				
Name Yoo-Sang HWANG	Signature: You Sang HWA					
Name. Tao-Young CHUNG	Signature. Tae - Young Chur	19 Date: 99. 6.00				
Name:	Signature.	Date				
NAMES AND SIGNATURES OF WITNESSES						
Name:	Signature.	Ρατε :				
Name:	Signature:	Date.				

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