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FORM PTO-1595 (Modified) (Rev. 6-93) OMB Nc. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar

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04-07-1999



Docket No.: SEC.543

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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Tab settings → → → ▼  To the Honorable Commissioner of Patents . 1010	003241ched original documents or copy thereof.
1. Name of conveying party(ies):  CHOI, Jeong-Hyuk	2. Name and address of receiving party(ies):  Name: Samsung Electronics Co., Ltd.  Address: 416, Maetan-dong, Paldal-gu,
Additional names(s) of conveying party(ies)	09/ 03/
3. Nature of conveyance:	
🖾 Assignment 🗀 Merger	
☐ Security Agreement ☐ Change of Name	City: Suwon-city, Kyungki-do State/Prov.:
Other	Country: Republic of Korea ZIP:
Execution Date: March 24, 1999	Additional name(s) & address(es)
Patent Application No. Filing date  69375809	B. Patent No.(s)
Additional numbers	☐ Yes 🖾 No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Brian C. Altmiller  4/02/1999 DBUTLER 00000024 09275809  Registration No. 37,271  Address: Jones, Volentine, Steinberg & Whitt, LLP	7. Total fee (37 CFR 3.41):\$ 40.00  ☑ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  ☐ Authorized to be charged to deposit account
12200 Sunrise Valley Drive, Suite 150	Authorized to be charged to deposit account
City: Reston State/Prov.: VA  Country: U.S.A. ZIP: 20191	8. Deposit account number: 50-0238
DO NOT	USE THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform of the original document.  Statement	ation is true and correct and any attached copy is a true copy
Brian C. Altmiller	March 25, 1999
Name of Person Signing  Total number of pages including	Signature Date

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ONES (1/99)

ASSIGNMENT VOLENTINE. STEINBERC & WHITT, L.L.P. In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned Jeong-Hyuk CHOL Insert Name(s) of Inventor(s) and the undersigned hereby sell(s) and assign(s) to Samsung Electronics Co., Ltd. Insert Name(s) 416. Macian-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea of Assignee(s) (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 Address USC 100, in the invention known as METHOD FOR MANUFACTURING NONYOLATILE MEMORY DEVICE USING SELF ALIGNED SOURCE PROCESS Title of [pventias) for which an application for patent in the United States of America has been executed by the undersigned March 24,1999 Date of Bigning The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, of Application divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or relasue thereof and to cooperate with the Assigned in every way possible in obtaining evidence and going forward with such interference. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed. and will not execute, any agreement in conflict berewith.

Page 1 of 2

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A. Steinberg, Reg. No. 34,735 and Stephen R. Whin, Reg. No. 34 STEINBERG & WHITT, L.L.P. the power to insert on this assignment	1,753. members of the firm of JONES, VOLENTINE, and any further identification which may be necessary or		
desirable in order to comply with the rules of the United States Patent	Office for recordation of this document.		
In witness whereof, executed by the undersigned on the da	ite(s) opposite the undersigned name(s).		
Date Man. 14 1919 Name of Inventor	House chai		
Date, Name of Inventor			
Date, Name of Inventor			
Date, Name of Inventor			
Date, Name of Inventor			
(Note regarding Witnessing and/or Acknowledgment: Acknowledged, If not acknowledged, then it is recommended the two witnesses who sign here. However, the current practice Assignment even if it has not been asknowledged and/or witness  Witness  Young-Ae PARK  Witness  ACKNOWLEDG	at the execution by the Inventor(s) be witnessed by at least of the U.S. Patent and Trademark Office is to record an actued.)		
This day of	, 19, before me personally came the above-		
named			
to me personally known as the individual(s) who executed the foregoing executed the same of his (their) own free will for the purposes therein	ng assignment, who did acknowledge to me that he (they) set forth.		
SEAL	Official Signature		
SEAL			
	Official Title		
Applicant Reference No.: PBISS-US/SS/imi Atty Docket No.:			
Serial No.:Piling	Date:		
Prep 2 of 2			

**RECORDED: 03/25/1999** 

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