PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hui-Kwon Seo	08/01/2011
Yeong-Taek Lee	08/01/2011
Yong-Shik Shin	08/01/2011

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu,
City:	Suwon-si, Gyeonggi-do,
State/Country:	REPUBLIC OF KOREA
Postal Code:	442-742

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13289277

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SEC.2986
NAME OF SUBMITTER:	ADAM C. VOLENTINE

Total Attachments: 2

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> PATENT REEL: 027203 FRAME: 0300

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ASSIGNMENT

		n consideration of the sum of oideration paid to each of the u	One Dollar (\$1.00) and other good and valuable indersigned			
Insert Name(s) of	1.	Hui-Kwon SEO	7.			
Inventor(s)	2.		8.			
	3.	Yong-Shik SHIN	9.			
	4.		10.			
			11.			
	6.		12.			
Insert Name(s) of	the u	ndersigned hereby sell(s) and	assign(s) to			
Assignee(s) &	*******	SAMSUNG ELECTRONICS CO., LTD.				
Address(es)	of	416, Maetan-dong	, Yeongtong-gu, gi-do 442-742, Republic of Korea			
Muur css(cs)		200011 011 0100119	34 do 112 /12/ Republic of Roles			
		(hereinafter designated as the Assignee) the entire right, title and interest for the United				
Title of	State	s as defined in 35 USC 100, in	the invention known as			
Invention	NON-VOLATILE MEMORY ARRAY AND DEVICE USING ERASE MARKERS					
Date of Signing of	for which an application for patent in the United States of America has been executed by					
Application	the u	ndersigned on August 1, 20	11 ·			
	The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, 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 continuing. division or reissue thereof and to cooperate with the Assignee 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.					

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The undersigned hereby grant(s) the practitioners associated with the <u>CUSTOMER NUMBER 20987</u> the power to insert on this assignment 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.

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 herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Ang/1st/2011	Signature of Inventor	Hurkwon Seo		
Date	6/1/2011	Signature of Inventor	Yeong-Tack Lee Yeong-Tack LEE		
Date	8/1/2011	Signature of Inventor	Yong-Shik SHIN		
Date		Signature of Inventor			
Date		Signature of Inventor			
Date		Signature of Inventor			
	(Note regarding Witnessing: It is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been witnessed.)				
	Witness				
	Witness				

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Applicant Reference No. SIP100103US