

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sun Kwon Kim</td><td>03/19/2007</td></tr><tr><td>Byeong Hoon Lee</td><td>03/19/2007</td></tr></tbody></table>	Name	Execution Date	Sun Kwon Kim	03/19/2007	Byeong Hoon Lee	03/19/2007					
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<table border="1"><tr><td>Name:</td><td>Samsung Electronics Co., Ltd.</td></tr><tr><td>Street Address:</td><td>416 Maetan-dong</td></tr><tr><td>Internal Address:</td><td>Yeongtong-gu, Suwon-si</td></tr><tr><td>City:</td><td>Gyeonggi-do</td></tr><tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr></table>	Name:	Samsung Electronics Co., Ltd.	Street Address:	416 Maetan-dong	Internal Address:	Yeongtong-gu, Suwon-si	City:	Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (919)854-1401 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 9198541400											
Email: brosser@myersbigel.com											
Correspondent Name: Betty-Lou Rosser											
Address Line 1: 4140 Parklake Avenue											
Address Line 2: Suite 600											
Address Line 4: Raleigh, NORTH CAROLINA 27612											
ATTORNEY DOCKET NUMBER:	5649-2119										
NAME OF SUBMITTER:	Betty-Lou Rosser										
Total Attachments: 2 source=56492119Assn#page1.tif source=56492119Assn#page2.tif											

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PATENT

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REEL: 019070 FRAME: 0579

Attorney Docket No. 5649-2119

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Sun-Kwon Kim**, a citizen of the Republic of Korea, residing at 301, Yeongtong-dong 1000-8, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Byeong-Hoon Lee**, a citizen of the Republic of Korea, residing at 1-906, Daemyeong Apt., Yeonnam-dong 259-1, Mapo-gu, Seoul, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in *Flash METHODS FOR REDUCING WRITE TIME IN NONVOLATILE MEMORY DEVICES AND RELATED DEVICES*, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 11/691,703, filed March 27, 2007) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.


We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

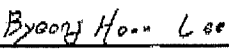
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We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 19 day of 03, 2007.



Sun-Kwon Kim (SEAL)



Byeong-Hoon Lee (SEAL)

Witnessed by:

Date: _____