

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Kyoung-GU WOO</td><td>06/13/2008</td></tr><tr><td>Ki Yong LEE</td><td>06/13/2008</td></tr><tr><td>Hee-Seon PARK</td><td>06/13/2008</td></tr><tr><td>In-Sun KANG</td><td>06/13/2008</td></tr></tbody></table>	Name	Execution Date	Kyoung-GU WOO	06/13/2008	Ki Yong LEE	06/13/2008	Hee-Seon PARK	06/13/2008	In-Sun KANG	06/13/2008	
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RECEIVING PARTY DATA											
Name:	SAMSUNG ELECTRONICS CO., LTD										
Street Address:	416, Maetan-dong, Yeongtong-gu										
Internal Address:	Gyeonggi-do										
City:	Suwon-si										
State/Country:	REPUBLIC OF KOREA										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12164462</td></tr></tbody></table>	Property Type	Number	Application Number:	12164462							
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Application Number:	12164462										
CORRESPONDENCE DATA											
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Total Attachments: 1											

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PATENT
REEL: 021171 FRAME: 0073

Assignment

Whereas, We, Kyoung-Gu WOO, Ki-Yong LEE, Hee-Seon PARK, and In-Sun KANG of Seoul, Republic of Korea; Yongin-si, Republic of Korea; Seoul, Republic of Korea; and Seoul, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in APPARATUS AND METHOD TO PREVENT DATA LOSS IN NONVOLATILE MEMORY and executed an application for Letters Patent of the United States of America therefor on June 13, 2008; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the application number, confirmation number and filing date of said application when known.

Date: (June 13, 2008) [Signature]
s/Kyoung-Gu WOO

Date: (June 13, 2008) Ki Yong Lee
s/Ki-Yong LEE

Date: (June 13, 2008) [Signature]
s/Hee-Seon PARK

Date: (June 13, 2008) [Signature]
s/In-Sun KANG

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT

RECORDED: 06/30/2008

REEL: 021171 FRAME: 0075