

## PATENT ASSIGNMENT

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Stylesheet Version v1.1

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>Jung-Hoon PARK</td><td>08/11/2008</td></tr><tr><td>Sung-Soo LEE</td><td>08/11/2008</td></tr><tr><td>Young-Ho LIM</td><td>08/11/2008</td></tr><tr><td>Chang-Sub LEE</td><td>10/31/2008</td></tr><tr><td>Ki-Tae PARK</td><td>08/20/2008</td></tr></tbody></table>		Name	Execution Date	Jung-Hoon PARK	08/11/2008	Sung-Soo LEE	08/11/2008	Young-Ho LIM	08/11/2008	Chang-Sub LEE	10/31/2008	Ki-Tae PARK	08/20/2008
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RECEIVING PARTY DATA													
Name:	Samsung Electronics Co., Ltd.												
Street Address:	416 Maetan-dong, Yeongtong-gu, Suwon-si												
City:	Gyeonggi-do												
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF												
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>12172904</td></tr></tbody></table>		Property Type	Number	Application Number:	12172904								
Property Type	Number												
Application Number:	12172904												
CORRESPONDENCE DATA													
Fax Number:	(503)274-4622												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Justin D. Wagner												
Total Attachments: 3 source=assignment#page1.tif source=assignment#page2.tif													

OP \$40.00 12172904

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PATENT  
REEL: 021784 FRAME: 0375



PATENT APPLICATION  
Docket No.: 4591-657  
Client Ref. No.: IC17142-US

**ASSIGNMENT**

U.S.A. Patent Application  
Sole or Joint  
For Inventions Made Outside U.S.A.  
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) Jung-Hoon PARK
- (2) Sung-Soo LEE
- (3) Young-Ho LIM
- (4) Chang-Sub LEE
- (5) Ki-Tae PARK

☐ X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

**SAMSUNG ELECTRONICS CO., LTD.**  
**416 MAETAN-DONG, YEONGTONG-GU**  
**SUWON-SI, GYEONGGI-DO**  
**REPUBLIC OF KOREA**

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

**NONVOLATILE SEMICONDUCTOR MEMORIES FOR PREVENTING READ  
DISTURBANCE AND READING METHODS THEREOF**

for which an application for Letters Patent of the United States of America was filed on July 14, 2008 as Application No. 12/172,904 has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

**Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney**

**SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:**

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Jung-Hoon Park</u> Jung-Hoon PARK	<u>11. Aug. 2008</u>	_____
(2) <u>Sung Soo Lee</u> Sung Soo LEE	<u>11. Aug. 2008</u>	_____
(3) <u>Young-Ho Lim</u> Young-Ho LIM	<u>11. Aug. 2008</u>	_____
(4) _____ Chang-Sub LEE	_____	_____
(5) <u>Ki-Tae Park</u> Ki-Tae PARK	<u>20. Aug. 2008</u>	_____

**PLEASE RETURN RECORDED ASSIGNMENT TO:**

**Alan T. McCollom**  
**Marger Johnson & McCollom**  
**210 S.W. Morrison Street, Suite 400**  
**Portland, OR 97204**



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(2) <u>Sung-Soo LEE</u>	_____	_____
(3) <u>Young-Ho LIM</u>	_____	_____
(4) <u>Chang-Sub Lee</u> <u>Chang-Sub LEE</u>	<u>Oct. 31, 2008</u>	_____
(5) <u>Ki-Tae PARK</u>	_____	_____

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