

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Heung-Jin JOO</td> <td>02/08/2007</td> </tr> <tr> <td>Byung-Gil JEON</td> <td>02/12/2007</td> </tr> <tr> <td>Byoung-Jae BAE</td> <td>02/12/2007</td> </tr> <tr> <td>Ki-Nam KIM</td> <td>02/12/2007</td> </tr> </tbody> </table>		Name	Execution Date	Heung-Jin JOO	02/08/2007	Byung-Gil JEON	02/12/2007	Byoung-Jae BAE	02/12/2007	Ki-Nam KIM	02/12/2007
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Byung-Gil JEON	02/12/2007										
Byoung-Jae BAE	02/12/2007										
Ki-Nam KIM	02/12/2007										
RECEIVING PARTY DATA											
Name:	Samsung Electronics Co., Ltd.										
Street Address:	416 Maetan-dong, Yeongtong-gu, Suwon-si										
City:	Gyeonggi-do										
State/Country:	KOREA, REPUBLIC OF										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11675007</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11675007						
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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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ATTORNEY DOCKET NUMBER:	2522-206										
NAME OF SUBMITTER:	Hosoon Lee										

Total Attachments: 6
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PATENT APPLICATION
Docket No.: 2522-206
Client Ref. No.: AX2196US/PJ

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) **Heung-Jin JOO**
- (2) **Byung-Gil JEON**
- (3) **Byoung-Jae BAE**
- (4) **Ki-Nam KIM**

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:

**STACKED FERROELECTRIC MEMORY DEVICES, METHODS OF
MANUFACTURING THE SAME, FERROELECTRIC MEMORY CIRCUITS AND
METHODS OF DRIVING THE SAME**

for which an application for Letters Patent of the United States of America 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) _____ Heung-Jin JOO	_____	_____
(2) _____ Byung-Gil JEON	_____	_____
(3) <u>Byung-Jae Bae</u> Byoung-Jae BAE	<u>2011. 2. 12</u>	_____
(4) <u>Ki-Nam Kim</u> Ki-Nam KIM	<u>2011. 2. 12</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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<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Heung Jin JOO</u> Heung Jin JOO	<u>08/02/2009</u>	_____
(2) _____ Byung-Gil JEON	_____	_____
(3) _____ Byoung-Jae BAE	_____	_____
(4) _____ Ki-Nam KIM	_____	_____

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(1) _____ Heung-Jin JOO	_____	_____
(2) <u>Byung-Gil JEON</u> Byung-Gil JEON	<u>2007/2/12</u>	_____
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