

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>Seung-Bum Kim</td> <td>09/21/2011</td> </tr> <tr> <td>Ohsuk Kwon</td> <td>09/21/2011</td> </tr> <tr> <td>Dongku Kang</td> <td>09/21/2011</td> </tr> <tr> <td>Tae-Young Kim</td> <td>09/21/2011</td> </tr> <tr> <td>Jaewoo Im</td> <td>09/23/2011</td> </tr> <tr> <td>Moosung Kim</td> <td>09/21/2011</td> </tr> <tr> <td>Jae-Duk Yu</td> <td>09/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	Seung-Bum Kim	09/21/2011	Ohsuk Kwon	09/21/2011	Dongku Kang	09/21/2011	Tae-Young Kim	09/21/2011	Jaewoo Im	09/23/2011	Moosung Kim	09/21/2011	Jae-Duk Yu	09/21/2011
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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																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13246040</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13246040												
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Application Number:	13246040																
CORRESPONDENCE DATA																	
Fax Number:	(571)283-0740																
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Email:	aloomis@volentine.com																
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																	
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ATTORNEY DOCKET NUMBER:	SEC.3021																

CH \$40.00 13246040

501677453

PATENT
REEL: 026996 FRAME: 0782

NAME OF SUBMITTER:

ADAM C. VOLENTINE

Total Attachments: 2

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

**Insert
Name(s) of
Inventor(s)**

- 1. Seung-Bum KIM
- 2. Oh Suk KWON
- 3. Dongku KANG
- 4. Tae-Young KIM
- 5. Jaewoo IM
- 6. Moosung KIM
- 7. Jae-Duk YU
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____

**Insert
Name(s) of
Assignee(s) &**

the undersigned hereby sell(s) and assign(s) to

Address(es)

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do 442-742, Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

**Title of
Invention**

FLASH MEMORY DEVICE AND WORDLINE VOLTAGE GENERATING METHOD
THEREOF

**Date of
Signing of
Application**

for which an application for patent in the United States of America has been executed by the undersigned on _____

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.

The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** 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 2011/09/21 Signature of Inventor Seung-Bum KIM
Seung-Bum KIM

Date 2011/09/21 Signature of Inventor Oh Suk KWON
Oh Suk KWON

Date 2011/09/21 Signature of Inventor Dongku KANG
Dongku KANG

Date 2011/09/21 Signature of Inventor Tae-Young KIM
Tae-Young KIM

Date 2011/09/23 Signature of Inventor Jaewoo IM
Jaewoo IM

Date 2011/09/21 Signature of Inventor MOOSUNG KIM
MOOSUNG KIM

Date 2011/09/21 Signature of Inventor Jae-Duk YU
Jae-Duk YU

(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. ID-200661-US