

PATENT ASSIGNMENT

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SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the CITY AND STATE OF SECOND RECEIVING PARTY DATA previously recorded on Reel 023881 Frame 0005. Assignor(s) hereby confirms the CITY AND STATE OF SECOND RECEIVING PARTY DATA IS ROCHESTER HILLS, MI.

CONVEYING PARTY DATA

Name	Execution Date
Dong-ho Ahn	01/19/2010
Hideki Horii	01/19/2010
Soon-oh Park	01/19/2010
Young-hyun Kim	01/19/2010
Hee-ju Shin	01/19/2010
Jin-ho Oh	01/19/2010

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

Name:	OVONYX, INC.
Street Address:	2956 Waterview Drive
City:	Rochester Hills
State/Country:	MICHIGAN
Postal Code:	48309

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12697667

CORRESPONDENCE DATA

Fax Number: (571)283-0740

501096769

PATENT
REEL: 023959 FRAME: 0399

CH \$40.00 12697667

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Email: ptinbox@volentine.com
Correspondent Name: VOLENTINE & WHITT, PLLC
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Address Line 4: RESTON, VIRGINIA 20190

ATTORNEY DOCKET NUMBER:

SEC.2684

NAME OF SUBMITTER:

ADAM C. VOLENTINE

Total Attachments: 4

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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>Dong-ho Ahn</td><td>01/19/2010</td></tr><tr><td>Hideki Horii</td><td>01/19/2010</td></tr><tr><td>Soon-oh Park</td><td>01/19/2010</td></tr><tr><td>Young-hyun Kim</td><td>01/19/2010</td></tr><tr><td>Hee-ju Shin</td><td>01/19/2010</td></tr><tr><td>Jin-ho Oh</td><td>01/19/2010</td></tr></tbody></table>	Name	Execution Date	Dong-ho Ahn	01/19/2010	Hideki Horii	01/19/2010	Soon-oh Park	01/19/2010	Young-hyun Kim	01/19/2010	Hee-ju Shin	01/19/2010	Jin-ho Oh	01/19/2010	
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Postal Code:	48309														

PATENT

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Application Number:	12697667

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Fax Number: (571)283-0740
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 5712830720
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ATTORNEY DOCKET NUMBER:	SEC.2684
NAME OF SUBMITTER:	ADAM C. VOLENTINE
Signature:	/ADAM C. VOLENTINE/
Date:	02/02/2010

Total Attachments: 2

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RECEIPT INFORMATION

EPAS ID: PAT1103419
Receipt Date: 02/02/2010
Fee Amount: \$40

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VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2684

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. <u>Dong-ho Ahn</u> | 7. _____ |
| 2. <u>Hideki Horii</u> | 8. _____ |
| 3. <u>Soon-oh Park</u> | 9. _____ |
| 4. <u>Young-hyun Kim</u> | 10. _____ |
| 5. <u>Hee-ju Shin</u> | 11. _____ |
| 6. <u>Jin-ho Oh</u> | 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
and

of OVONYX, INC.
2956 Waterview Drive, Rochester Hills, MI 48309,
United States of America
(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

NON-VOLATILE MEMORY DEVICE INCLUDING PHASE-CHANGE MATERIAL

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by
the undersigned on January 19, 2010

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.

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VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC 2684

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 <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Dong-ho Ahn</u> Dong-ho Ahn
Date <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Hideki Horii</u> Hideki Horii
Date <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Seoh-oh Park</u> Seoh-oh Park
Date <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Yong-taek Kim</u> Yong-taek Kim
Date <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Hee-su Shim</u> Hee-su Shim
Date <u>Jan. 19, 2010</u>	Signature of Inventor	<u>Jin-ho Oh</u> Jin-ho Oh

(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 _____

Applicant Reference No. SS-35113-US

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