

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Min Cheol Kwon</td><td>03/24/2010</td></tr> <tr><td>Dong Jun Shing</td><td>03/24/2010</td></tr> <tr><td>Seong Jun Ahn</td><td>03/24/2010</td></tr> <tr><td>Shin-Ho Choi</td><td>03/24/2010</td></tr> <tr><td>Shine Kim</td><td>03/24/2010</td></tr> <tr><td>Sun-Mi Yoo</td><td>03/24/2010</td></tr> <tr><td>Mi Kyeong Kang</td><td>03/24/2010</td></tr> </tbody> </table>		Name	Execution Date	Min Cheol Kwon	03/24/2010	Dong Jun Shing	03/24/2010	Seong Jun Ahn	03/24/2010	Shin-Ho Choi	03/24/2010	Shine Kim	03/24/2010	Sun-Mi Yoo	03/24/2010	Mi Kyeong Kang	03/24/2010
Name	Execution Date																
Min Cheol Kwon	03/24/2010																
Dong Jun Shing	03/24/2010																
Seong Jun Ahn	03/24/2010																
Shin-Ho Choi	03/24/2010																
Shine Kim	03/24/2010																
Sun-Mi Yoo	03/24/2010																
Mi Kyeong Kang	03/24/2010																
RECEIVING PARTY DATA																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>SAMSUNG ELECTRONICS CO., LTD.</td></tr> <tr><td>Street Address:</td><td>416, Maetan-dong, Yeongtong-gu,</td></tr> <tr><td>City:</td><td>Suwon-si, Gyeonggi-do,</td></tr> <tr><td>State/Country:</td><td>REPUBLIC OF KOREA</td></tr> <tr><td>Postal Code:</td><td>442-742</td></tr> </table>		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:	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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12754753</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12754753												
Property Type	Number																
Application Number:	12754753																
CORRESPONDENCE DATA																	
Fax Number: (571)283-0741 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5712830720 Email: aloomis@volentine.com Correspondent Name: VOLENTINE & WHITT, PLLC Address Line 1: 11951 FREEDOM DRIVE, SUITE 1260 Address Line 4: RESTON, VIRGINIA 20190																	
ATTORNEY DOCKET NUMBER:	SEC.2741																

CH \$40.00 12754753

501140106

PATENT
REEL: 024191 FRAME: 0024

NAME OF SUBMITTER:

ADAM C. VOLENTINE

Total Attachments: 2

source=Assignment#page1.tif

source=Assignment#page2.tif

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. Min Cheol KWON7. Mi Kyeong KANG2. Dong Jun SHIN

8. _____

3. Seong Jun AHN

9. _____

4. Shin-Ho CHOI

10. _____

5. Shine KIM

11. _____

6. Sun-Mi YOO

12. _____

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

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

SAMSUNG ELECTRONICS CO., LTD.

Address(es)

of 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**

DATA STORAGE DEVICE AND DATA STORAGE SYSTEM INCLUDING THE

SAME

**Date of
Signing of
Application**

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

the undersigned on March 24, 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.

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 2010.3.24

Signature of Inventor

Min Cheol KWON

Date 2010.3.24

Signature of Inventor

Dong Jun SHIN

Date 2010.3.24

Signature of Inventor

Ssong Jun AHN

Date 2010.3.24

Signature of Inventor

Shin-Ho CHOI

Date 2010.3.24

Signature of Inventor

Shine KIM

Date 2010.3.24

Signature of Inventor

Shin-Mi YOO

Date 2010.3.24

Signature of Inventor

Mi Kyeong KANG

(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. SOV-000788-US