

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<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>Kyoung Lae CHO</td> <td>03/23/2011</td> </tr> <tr> <td>CHANHO YOON</td> <td>03/23/2011</td> </tr> <tr> <td>JunJin Kong</td> <td>03/23/2011</td> </tr> <tr> <td>Hee Chang Cho</td> <td>03/23/2011</td> </tr> <tr> <td>Bumseok Yu</td> <td>03/23/2011</td> </tr> <tr> <td>Hong Rak Son</td> <td>03/23/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kyoung Lae CHO	03/23/2011	CHANHO YOON	03/23/2011	JunJin Kong	03/23/2011	Hee Chang Cho	03/23/2011	Bumseok Yu	03/23/2011	Hong Rak Son	03/23/2011
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<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (919)854-1401  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-854-1400        Email: kcarlos@myersbigel.com        Correspondent Name: MYERS BIGEL SIBLEY &amp; SAJOVEC, P.A./ksc        Address Line 1: 4140 Parklake Avenue        Address Line 2: Suite 600        Address Line 4: Raleigh, NORTH CAROLINA 27612</p>															
<b>ATTORNEY DOCKET NUMBER:</b>	5649-3145														

CH \$40.00 13082190

**501646584**

**PATENT**  
**REEL: 026848 FRAME: 0646**

NAME OF SUBMITTER:

Kirsten S. Carlos

**Total Attachments: 7**

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**PATENT**

**REEL: 026848 FRAME: 0647**

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Kyoung Lae CHO**, citizen of the Republic of Korea, residing at 101-703, Daeju 1-danji Apt., Gongse-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **CHANHO YOON**, citizen of the Republic of Korea, residing at #301, 15-14, Anam-dong 4-ga, Seongbuk-gu, Seoul, Republic of Korea; **JunJin Kong**, citizen of the Republic of Korea, residing at 704-304, Samsung 7 cha Apt., Pungdeokcheon 2-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea; **Hee Chang Cho**, citizen of the Republic of Korea, residing at #201, Gangnam Parkville, 312-4, Yangjae-dong, Seocho-gu, Seoul, Republic of Korea; **Bumseok Yu**, citizen of the Republic of Korea, residing at 912-801, Byeokjeokgol 9-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Hong Rak Son**, citizen of the Republic of Korea, residing at 201-604, Eunhasu Byoksan Apt., Buheung-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF STORING DATA IN STORAGE MEDIA, DATA STORAGE DEVICES USING THE SAME, AND SYSTEMS INCLUDING THE SAME** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No.

13/082,190, filed April 7, 2011) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof,

**ASSIGNMENT - CONTINUED**


and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 23 day of March, 2011.

  
\_\_\_\_\_  
**Kyoung Lae CHO** (SEAL)

Witnessed by:


\_\_\_\_\_

Date: \_\_\_\_\_



**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 23 day  
of March, 2011.

  
\_\_\_\_\_  
**CHANHO YOON** (SEAL)

Witnessed by:

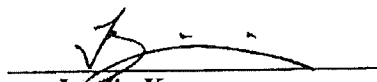
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**ASSIGNMENT - CONTINUED**

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**Jun Jin Kong** (SEAL)

Witnessed by:

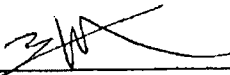
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**Hee Chang Cho** (SEAL)

Witnessed by:

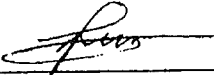
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**Bumseok Yu** (SEAL)

Witnessed by:

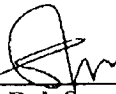
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**Hong Rak Son** (SEAL)

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_

