

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2783692

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the DATA INPUT OF THE NAME OF THE ASSIGNEE AND ADDRESS OF THE ASSIGNEE previously recorded on Reel 026569 Frame 0170. Assignor(s) hereby confirms the DATA IS: TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION, 416, MAETAN 3-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO,.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAE-YUNG KIM	07/05/2011
KYU-YEOL PARK	07/05/2011
BYUNGHOON CHUNG	07/05/2011
JAE-WON YOU	07/05/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION
<b>Street Address:</b>	416, MAETAN 3-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO
<b>City:</b>	SUWON-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13179658
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)315-3758
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	pto@nsiplaw.com
<b>Correspondent Name:</b>	NSIP LAW
<b>Address Line 1:</b>	P.O. BOX 65745
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20035
<b>ATTORNEY DOCKET NUMBER:</b>	024055.0054
<b>NAME OF SUBMITTER:</b>	XIN XIE
<b>SIGNATURE:</b>	/Xin Xie/
<b>DATE SIGNED:</b>	03/25/2014
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

07/11/2011  
 501590021

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>Tae-yung Kim</td> <td>07/05/2011</td> </tr> <tr> <td>Kyu-yeol Park</td> <td>07/05/2011</td> </tr> <tr> <td>Byung-hoon Chung</td> <td>07/05/2011</td> </tr> <tr> <td>Jae-won You</td> <td>07/05/2011</td> </tr> </tbody> </table>		Name	Execution Date	Tae-yung Kim	07/05/2011	Kyu-yeol Park	07/05/2011	Byung-hoon Chung	07/05/2011	Jae-won You	07/05/2011
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RECEIVING PARTY DATA TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA CORPORATION											
<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742</td> </tr> <tr> <td>City:</td> <td>Suwon-si 416, Maetan 3-dong, Yeongtong-gu, Suwon-si,</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA Gyeonggi-do</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742	City:	Suwon-si 416, Maetan 3-dong, Yeongtong-gu, Suwon-si,	State/Country:	REPUBLIC OF KOREA Gyeonggi-do		
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CORRESPONDENCE DATA											
Fax Number: (202)315-3758 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202-429-0020 Email: info@nsiplaw.com Correspondent Name: NSIP LAW Address Line 1: P.O. Box 34688 Address Line 4: Washington, DISTRICT OF COLUMBIA 20043											
ATTORNEY DOCKET NUMBER:	TSST.2108.0029										
NAME OF SUBMITTER:	Obert H. Chu										
Total Attachments: 2 source=NewApp_21080029_AssignmentExecuted#page1.tif source=NewApp_21080029_AssignmentExecuted#page2.tif											

PATENT

REEL: 032519 FRAME: 0458

CP \$40.00 13179658

### ASSIGNMENT

For valuable consideration, we,

Tae-yung Kim	431-1104, Sindo Apt., Bansong-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea
Kyu-yeol Park	117-1701, Parktown, Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Byung-hoon Chung	901-1401, e-Pyeonhansesang Daelim 6 Cha Apt., Sindorim-dong, Guro-gu, Seoul, Republic of Korea
Jae-won You	454-1203, Ssangyong Apt., Bansong-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea

hereby assign to:

#### **TOSHIBA SAMSUNG STORAGE TECHNOLOGY KOREA**

**CORPORATION**, a Republic of Korea corporation/institute/institution having principal executive office(s) or place of business at: 416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number \_\_\_\_\_ filed \_\_\_\_\_ at the U.S. Patent & Trademark Office signed by us, with title **HYBRID STORAGE DEVICE AND ELECTRONIC SYSTEM USING THE SAME**, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This 5 day of July, 2011

Signature: Tae-yung Kim

This 5 day of 7, 2011

Kyu-yeol Park

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Signature: Kyu-yeol Park

This 5 day of 7, 2011

Signature: Byung-hoon Chung

This 5 day of July, 2011

Signature: Jae-won You