

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>Beyong-Ho YUU</td> <td>08/07/2013</td> </tr> <tr> <td>Young-Ho KIM</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Beyong-Ho YUU	08/07/2013	Young-Ho KIM	08/07/2013		
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Young-Ho KIM	08/07/2013								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>129 Samsung-ro, Yeongtong-gu, Suwon-si</td> </tr> <tr> <td>City:</td> <td>Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	129 Samsung-ro, Yeongtong-gu, Suwon-si	City:	Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF
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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>13964553</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13964553				
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CORRESPONDENCE DATA									
<p>Fax Number: 2012269246 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 201-226-9245 Email: jeryl.bizzoco@chareiter.com Correspondent Name: Cha & Reiter, LLC Address Line 1: 17 Arcadian Avenue Address Line 2: Suite 208 Address Line 4: Paramus, NEW JERSEY 07652</p>									
ATTORNEY DOCKET NUMBER:	4500-1-259								
NAME OF SUBMITTER:	Steve Cha								
Signature:	/Steve Cha/								
Date:	08/12/2013								
Total Attachments: 2 source=4500-1-259_Assignment#page1.tif source=4500-1-259_Assignment#page2.tif									

CH \$40.00 13964553

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration,


- (hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. Section 261, in and to the invention entitled as:

invented by **Assignor**; the application for United States patent thereof, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

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Name of First Inventor: Beyong-Ho YUU


Signature of inventor

Dated: 8/7/2013

WITNESSED: [Signature]

Name of Second Inventor: Young-Ho KIM


Signature of inventor

Dated: 8/7/2013

WITNESSED: [Signature]