

## 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>Suk June YOON</td> <td>10/18/2012</td> </tr> <tr> <td>Hyo Seok HWANG</td> <td>10/18/2012</td> </tr> <tr> <td>Sung Hwan AHN</td> <td>10/18/2012</td> </tr> <tr> <td>Seung Yong HYUNG</td> <td>10/18/2012</td> </tr> <tr> <td>Hyung Sok YEO</td> <td>10/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Suk June YOON	10/18/2012	Hyo Seok HWANG	10/18/2012	Sung Hwan AHN	10/18/2012	Seung Yong HYUNG	10/18/2012	Hyung Sok YEO	10/18/2012
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<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</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	129, Samsung-ro, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-742		
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CORRESPONDENCE DATA													
<p>Fax Number: 2024341501  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2024341500        Email: jgilman@s-n-h.com        Correspondent Name: Staas and Halsey, LLP        Address Line 1: 1201 new york ave, nw        Address Line 2: suite 700        Address Line 4: washington, DISTRICT OF COLUMBIA 20005</p>													
ATTORNEY DOCKET NUMBER:	2294.1533												
NAME OF SUBMITTER:	T. Brian Bell												
<p>Total Attachments: 1        source=3EL1347-assignment#page1.tif</p>													

OP \$40.00 13669960

# U.S. ASSIGNMENT

5&11 1400

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD.  
129, Samsung-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do 443-742  
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

## METHOD OF RECOGNIZING STAIRS IN THREE DIMENSIONAL DATA IMAGE

relating to International Patent Application PCT/KR\_\_\_\_/\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on , TBA

Serial No. TBA;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Suk June Yoon</u>	<u>Oct 18, 2012</u>	
Suk June YOON		
2) <u>Hyoseok Hwang</u>	<u>Oct 18, 2012</u>	
Hyo Seok HWANG		
3) <u>SungHwan Ahn</u>	<u>Oct. 18, 2012</u>	
Sung Hwan AHN		
4) <u>Seung Yong Hyung</u>	<u>Oct 18, 2012</u>	
Seung Yong HYUNG		
5) <u>[Signature]</u>	<u>10/18</u>	<u>[Signature]</u>
Hyung Sok YEO		
6) _____	_____	_____
7) _____	_____	_____