

## 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>Min-woo PARK</td> <td>07/19/2012</td> </tr> <tr> <td>Pil-kyu PARK</td> <td>07/19/2012</td> </tr> <tr> <td>Dae-sung CHO</td> <td>07/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Min-woo PARK	07/19/2012	Pil-kyu PARK	07/19/2012	Dae-sung CHO	07/19/2012
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Min-woo PARK	07/19/2012								
Pil-kyu PARK	07/19/2012								
Dae-sung CHO	07/19/2012								
RECEIVING PARTY DATA									
Name:	SAMSUNG ELECTRONICS CO., LTD.								
Street Address:	129, Samsung-ro, Yeongtong-gu, Gyeonggi-do								
City:	Suwon-si								
State/Country:	KOREA, REPUBLIC OF								
Postal Code:	443-742								
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>13571411</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13571411				
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Application Number:	13571411								
CORRESPONDENCE DATA									
Fax Number:	2022937860								
Phone:	202-293-7060								
Email:	jchu@sughrue.com, sughrue@sughrue.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	SUGHRUE MION, PLLC								
Address Line 1:	2100 PENNSYLVANIA AVENUE, N.W.								
Address Line 2:	SUITE 800								
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037								
ATTORNEY DOCKET NUMBER:	Q140005								
NAME OF SUBMITTER:	Jonathan Chu/Teams Specialist								
Total Attachments: 1 source=Assignment_executed#page1.tif									

OP \$40.00 13571411

## Assignment

Whereas, We, Min-woo PARK of Suwon-si, Republic of Korea; Pil-kyu PARK of Seoul, Republic of Korea; and Dae-sung CHO of Seoul, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in IMAGE CODING METHOD AND APPARATUS AND IMAGE DECODING METHOD AND APPARATUS, BASED ON CHARACTERISTICS OF REGIONS OF IMAGE and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number [application\_no] and Confirmation number [confirmation\_no], filed [application\_date]) the application number, confirmation number and filing date of said application when known.

Date: Min Woo July 19, 2012  
s/Min-woo PARK

Date: [Signature] July 19, 2012  
s/Pil-kyu PARK

Date: 13 - July - 2012  
s/Dae-sung CHO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)