

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hyun-Chul Song</td> <td>12/17/2010</td> </tr> <tr> <td>Won-Hee Choe</td> <td>12/17/2010</td> </tr> <tr> <td>Seong-Deok Lee</td> <td>12/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hyun-Chul Song	12/17/2010	Won-Hee Choe	12/17/2010	Seong-Deok Lee	12/17/2010
Name	Execution Date								
Hyun-Chul Song	12/17/2010								
Won-Hee Choe	12/17/2010								
Seong-Deok Lee	12/17/2010								
<b>RECEIVING PARTY DATA</b>									
Name:	Samsung Electronics Co., Ltd.								
Street Address:	416 Maetan-dong, Yeongtong-gu								
City:	Suwon-si, Gyeonggi-do 443-742								
State/Country:	REPUBLIC OF KOREA								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12973835</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12973835				
Property Type	Number								
Application Number:	12973835								
<b>CORRESPONDENCE DATA</b>									
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:	North Star Intellectual Property Law, PC								
Address Line 1:	P.O. Box 34688								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20043								
ATTORNEY DOCKET NUMBER:	12000.SMG.0803								
NAME OF SUBMITTER:	Michael J. Kyle								

Total Attachments: 5  
 source=12000SMG0803\_Assignment\_As\_Filed#page1.tif  
 source=12000SMG0803\_Assignment\_As\_Filed#page2.tif  
 source=12000SMG0803\_Assignment\_As\_Filed#page3.tif

OP \$40.00 12973835

**501385203**

**PATENT**  
**REEL: 025532 FRAME: 0315**

source=12000SMG0803\_Assignment\_As\_Filed#page4.tif

source=12000SMG0803\_Assignment\_As\_Filed#page5.tif

ASSIGNMENT

For valuable consideration, We,

- (1) Name: **Hyun-Chul SONG**  
Address: 203-1403 Woosung Apt., Sadang 2-dong, Dongjak-gu,  
Seoul, Republic of Korea  
Nationality: Republic of Korea
  
- (2) Name: **Won-Hee CHOE**  
Address: 201, 14-2, Bansong-dong, Hwaseong-si, Gyeonggi-do,  
Republic of Korea  
Nationality: Republic of Korea
  
- (3) Name: **Seong-Deok LEE**  
Address: 437-1201 Cheongmyeong Maeul 4danji Samsung Apt.,  
Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do,  
Republic of Korea  
Nationality: Republic of Korea

hereby assign to:


**SAMSUNG ELECTRONICS CO., LTD.**, a Republic of Korea corporation  
having principal executive offices at: 416, Maetan-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do 443-742, 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 12/973,835 filed December 20, 2010 at the U.S. Patent & Trademark Office signed by us, with title **COLOR FILTER ARRAY AND IMAGE OBTAINING APPARATUS**, 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

Page 2 of 5

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 WITNESS WHEREOF, I hereto set my hand and seal this 17th day of  
December, 2010

Signature:   
Hyun-Chul SONG

City of \_\_\_\_\_ :

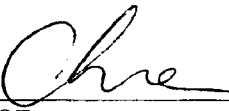
:

Country of \_\_\_\_\_ :

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared  
known to me to be the person whose name is subscribed to the foregoing Assignment and  
acknowledged that they executed the same as his free act and deed for the purposes therein  
contained.

\_\_\_\_\_  
Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 17th day of  
December, 2010

Signature:   
Won-Hee CHOE

City of \_\_\_\_\_ :

:

Country of \_\_\_\_\_ :

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared  
known to me to be the person whose name is subscribed to the foregoing Assignment and  
acknowledged that they executed the same as his free act and deed for the purposes therein  
contained.

\_\_\_\_\_  
Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 17th day of  
December, 2010

Signature:   
Seong-Deok LEE

City of \_\_\_\_\_ :

:

Country of \_\_\_\_\_ :

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2010, personally appeared  
known to me to be the person whose name is subscribed to the foregoing Assignment and  
acknowledged that they executed the same as his free act and deed for the purposes therein  
contained.

\_\_\_\_\_  
Witness or Notary Public