

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3614789

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SANG-SOO KIM	09/30/2015
JIN-HEE KANG	09/30/2015
CHAN-WOO KIM	09/30/2015
HO-JEONG PAEK	09/30/2015
BUM-JIN LEE	09/30/2015
SUNG-SEO CHO	09/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG SDI CO., LTD.
<b>Street Address:</b>	150-20 GONGSE-RO
<b>Internal Address:</b>	GIHEUNG-GU
<b>City:</b>	YONGIN-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	446-902
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14940337
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(704)945-6735
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	704-945-6700
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<b>Correspondent Name:</b>	MELISSA B. PENDLETON
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<b>ATTORNEY DOCKET NUMBER:</b>	7020.199
<b>NAME OF SUBMITTER:</b>	MELISSA B. PENDLETON
<b>SIGNATURE:</b>	/Melissa B. Pendleton/
<b>DATE SIGNED:</b>	11/13/2015

PATENT

**Total Attachments: 4**

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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
SANG-SOO KIM  
JIN-HEE KANG  
CHAN-WOO KIM  
HO-JEONG PAEK  
BUM-JIN LEE  
SUNG-SEG CHO  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Samsung SDI Co., Ltd.  
Internal Address: \_\_\_\_\_  
Street Address: 150-20 Gongse-ro, Giheung-gu  
City: Yongin-si  
State: Gyeonggi-do  
Country: South Korea Zip: \_\_\_\_\_  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) September 30, 2015  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
14/940,337  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
\_\_\_\_\_

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Additon, Higgins & Pendleton, P.A.  
Internal Address: \_\_\_\_\_  
Street Address: 11610 N. Community House Road, Suite 200  
City: Charlotte  
State: NC Zip: 28277-2199  
Phone Number: 704-945-6700  
Fax Number: 704-945-6735  
Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:** /Melissa B. Pendleton/ November 13, 2015  
Signature Date  
Melissa B. Pendleton  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## COMBINED DECLARATION AND ASSIGNMENT

WHEREAS, I, **Sang-Soo KIM**, a Korean citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea; **Jin-Hee KANG**, a Korean citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea; **Chan-Woo KIM**, a Korean citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea; **Ho-Jeong PAEK**, a Korean citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea; **Bum-Jin LEE**, a Korean citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea; and **Sung-Seo CHO**, a U.S. citizen, with a mailing address of 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-803, Republic of Korea (hereinafter referred to as "ASSIGNOR"), am a joint inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *Device Including Light Blocking Layer and Method of Patterning the Light Blocking Layer*, for which an application for United States Letters Patent is being filed concurrently herewith and which application claims priority from a Korean application filed on March 6, 2015, under Serial No. 10-2015-0031650, and a Korean application filed on September 10, 2015, under Serial No. 10-2015-0128444, all applications listed above being hereinafter referred to as the "APPLICATION"; and

WHEREAS, Samsung SDI Co., Ltd., a Korean corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at 150-20, Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 446-902, Republic of Korea, has acquired the equitable right, title, and interest—and is desirous of acquiring any remaining right, title, and interest—in and to said INVENTION as described in said APPLICATION, and in and to any and all Letters Patent that

shall be granted with respect to said INVENTION in the United States of America and all foreign countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest—and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and interest—in and to said INVENTION and APPLICATION, in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues, reexaminations, or extensions thereof that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, together with the right to claim the priority of said APPLICATION in all foreign countries in accordance with international treaties and conventions, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time the INVENTION was made, the INVENTION was subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE has the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment.

I further covenant and agree to bind my heirs, legal representatives, and assigns, promptly to communicate to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional

