

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Hye-Jin Jung</td><td>06/05/2013</td></tr> <tr><td>Seok-Hwan Hwang</td><td>06/05/2013</td></tr> <tr><td>Young-Kook Kim</td><td>06/05/2013</td></tr> <tr><td>Jin-O Lim</td><td>06/05/2013</td></tr> <tr><td>Sang-Hyun Han</td><td>06/05/2013</td></tr> <tr><td>Eun-Jae Jeong</td><td>06/05/2013</td></tr> <tr><td>Soo-Yon Kim</td><td>06/05/2013</td></tr> <tr><td>Jun-Ha Park</td><td>06/05/2013</td></tr> <tr><td>Eun-Young Lee</td><td>06/05/2013</td></tr> <tr><td>Chang-Ho Lee</td><td>06/05/2013</td></tr> <tr><td>Jong-Hyuk Lee</td><td>06/05/2013</td></tr> </tbody> </table>		Name	Execution Date	Hye-Jin Jung	06/05/2013	Seok-Hwan Hwang	06/05/2013	Young-Kook Kim	06/05/2013	Jin-O Lim	06/05/2013	Sang-Hyun Han	06/05/2013	Eun-Jae Jeong	06/05/2013	Soo-Yon Kim	06/05/2013	Jun-Ha Park	06/05/2013	Eun-Young Lee	06/05/2013	Chang-Ho Lee	06/05/2013	Jong-Hyuk Lee	06/05/2013
Name	Execution Date																								
Hye-Jin Jung	06/05/2013																								
Seok-Hwan Hwang	06/05/2013																								
Young-Kook Kim	06/05/2013																								
Jin-O Lim	06/05/2013																								
Sang-Hyun Han	06/05/2013																								
Eun-Jae Jeong	06/05/2013																								
Soo-Yon Kim	06/05/2013																								
Jun-Ha Park	06/05/2013																								
Eun-Young Lee	06/05/2013																								
Chang-Ho Lee	06/05/2013																								
Jong-Hyuk Lee	06/05/2013																								
RECEIVING PARTY DATA																									
<table border="1"> <tr><td>Name:</td><td>Samsung Display Co., Ltd.</td></tr> <tr><td>Street Address:</td><td>95, Samsung 2 Ro</td></tr> <tr><td>City:</td><td>Giheung-Gu, Yongin City, Gyeonggi-Do</td></tr> <tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr> </table>		Name:	Samsung Display Co., Ltd.	Street Address:	95, Samsung 2 Ro	City:	Giheung-Gu, Yongin City, Gyeonggi-Do	State/Country:	KOREA, REPUBLIC OF																
Name:	Samsung Display Co., Ltd.																								
Street Address:	95, Samsung 2 Ro																								
City:	Giheung-Gu, Yongin City, Gyeonggi-Do																								
State/Country:	KOREA, REPUBLIC OF																								
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>13924483</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13924483																				
Property Type	Number																								
Application Number:	13924483																								
CORRESPONDENCE DATA																									
Fax Number:	9497609502																								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																									
Phone:	949-760-0404																								
Email:	efiling@knobbe.com																								
Correspondent Name:	Knobbe Martens Olson & Bear LLP																								
Address Line 1:	2040 Main Street																								

OP \$40.00 13924483

Address Line 2: 14th Floor
Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER: SDCYPL.321AUS

NAME OF SUBMITTER: Christopher T. Sweeney

Signature: /christopher t. sweeney/

Date: 06/24/2013

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

source=2013-06-21 Combined Declaration & Assignment - SDCYPL.321AUS#page1.tif
source=2013-06-21 Combined Declaration & Assignment - SDCYPL.321AUS#page2.tif
source=2013-06-21 Combined Declaration & Assignment - SDCYPL.321AUS#page3.tif
source=2013-06-21 Combined Declaration & Assignment - SDCYPL.321AUS#page4.tif
source=2013-06-21 Combined Declaration & Assignment - SDCYPL.321AUS#page5.tif

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SDCYPL321AUS

Page 1 of 5

Title: NOVEL COMPOUND WITH ELECTRON INJECTION AND/OR ELECTRON TRANSPORT CAPABILITIES AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME

Inventors: Hye-Jin Jung, Seok-Hwan Hwang, Young-Kook Kim, Jin-O Lim, Sang-Hyun Han, Eun-Jae Jeong, Soo-Yon Kim, Jun-Ha Park, Eun-Young Lee, Chang-Ho Lee, Jong-Hyuk Lee

Declaration

This Declaration is directed to the application identified above that:

Is attached, where "attached" means filed concurrently with.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

Assignment from Inventors

WHEREAS, **above-identified inventors** (individuals hereinafter "ASSIGNORS") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **Samsung Display Co., Ltd.**, with its principal place of business at 95, Samsung 2 Ro, Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNORS hereby acknowledge that ASSIGNORS have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto;

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: SDCYPL.321AUS

Page 2 of 5

Title: NOVEL COMPOUND WITH ELECTRON INJECTION AND/OR ELECTRON TRANSPORT CAPABILITIES AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME**Inventors: Hye-Jin Jung, Seok-Hwan Hwang, Young-Kook Kim, Jin-O Lim, Sang-Hyun Han, Eun-Jae Jeong, Soo-Yon Kim, Jun-Ha Park, Eun-Young Lee, Chang-Ho Lee, Jong-Hyuk Lee**

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNORS DO HEREBY covenant and agree that ASSIGNORS will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Hye-Jin JungSignature: Hye-Jin JungDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Seok-Hwan HwangSignature: Seok-Hwan HwangDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: SDCYPL321AUS

Page 3 of 5

Title: NOVEL COMPOUND WITH ELECTRON INJECTION AND/OR ELECTRON TRANSPORT CAPABILITIES AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME

Inventors: Hye-Jin Jung, Seok-Hwan Hwang, Young-Kook Kim, Jin-O Lim, Sang-Hyun Han, Eun-Jae Jeong, Soo-Yon Kim, Jun-Ha Park, Eun-Young Lee, Chang-Ho Lee, Jong-Hyuk Lee

Legal Name of inventor: Young-Kook Kim

Signature: Young-Kook Kim Date: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Jin-O Lim

Signature: Jin-O Lim Date: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Sang-Hyun Han

Signature: Sang-Hyun Han Date: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Eun-Jae Jeong

Signature: Eun-Jae Jeong Date: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*

Docket No.: SDCYPL321AUS

Page 4 of 5

Title: NOVEL COMPOUND WITH ELECTRON INJECTION AND/OR ELECTRON TRANSPORT CAPABILITIES AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME

Inventors: Hye-Jin Jung, Seok-Hwan Hwang, Young-Kook Kim, Jin-O Lim, Sang-Hyun Han, Eun-Jae Jeong, Soo-Yon Kim, Jun-Ha Park, Eun-Young Lee, Chang-Ho Lee, Jong-Hyuk Lee

Legal Name of inventor: Soo-Yon KimSignature: Soo-Yon KimDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Jun-Ha ParkSignature: Jun-Ha ParkDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Eun-Young LeeSignature: Eun-Young LeeDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

Legal Name of inventor: Chang-Ho LeeSignature: Chang-Ho LeeDate: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

PATENT**REEL: 030673 FRAME: 0843**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: SDCYPL321AUS

Page 5 of 5

Title: NOVEL COMPOUND WITH ELECTRON INJECTION AND/OR ELECTRON TRANSPORT
CAPABILITIES AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME

Inventors: Hye-Jin Jung, Seok-Hwan Hwang, Young-Kook Kim, Jin-O Lim, Sang-Hyun Han, Eun-Jae
Jeong, Soo-Yon Kim, Jun-Ha Park, Eun-Young Lee, Chang-Ho Lee, Jong-Hyuk Lee

Legal Name of inventor: Jong-Hyuk Lee

Signature: Jong-Hyuk Lee Date: 5 June 2013

Witnessed by: _____

Witness Name (printed): _____

DECASSIGN

15373041 /trmm 050813