Client Code: SDCYPL.300AUS

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (List using letters or numbers for multiple parties) 1) LEE. Jeong-Yeol 2) CHO, Yoon-Hyeung 3) HAN, Ouck Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement	 Name and address of receiving party(ies): Name: Samsung Display Co., Ltd. Street Address: 95, Samsung 2 Ro, Giheung-gu City: Yongin-city, Gyeonggi-do Country: Korea Additional name(s) of receiving party(ies) attached? () Yes (X) No 	
() Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures) Nos. 1-3) January 22, 2013	4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 13/827915 Filing Date: March 14, 2013 Additional numbers attached? () Yes (X) No	
 5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SDCYPL.300AUS 	Total number of applications and patents involved: One (1)	
7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account	8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. John M. Carson Name of Person Signing 34,303 Registration No. Total number of pages including cover		

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PATENT REEL: 030037 FRAME: 0963

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.53(e))

Application Data Sheet filed previously or concurrently

Docket No.: SDCYPL.300AUS

Page 1 of 2

Title: ORGANIC LIGHT-EMITTING DISPLAY APPARATUS AND METHOD OF MANUFACTURING THE

SAME

Inventor(s): Jeong-Yeol Lee, Yoon-Hyeung Cho and Ouck Han

Declaration

This Declaration is directed to the invention 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 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified specification and acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56,

Assignment from inventor(s)

WHEREAS, above-identified inventor(s) (individual(s) hereinafter "ASSIGNOR") Invented certain new and useful improvements, technology, inventions, developments, ideas 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 Petent in the United States (identified above) has been prepared for filing with the United States Patent and Trademerk Offico (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, ASSIGNOR hereby acknowledges that ASSIGNOR has 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 in the Application, including all patent properties filed or issued upon the Application; where "Patent Properties" include, but are not limited to:

all provisional applications to which the Application claims priority;

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:

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 to issue all related Letters Patent to the ASSIGNEE, its successors, loggl representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES 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

PATENT REEL: 030037 FRAME: 0964

Application Data Sheet filed previously or concurrently Docket No.: SDCYPL.300AUS Page 2 of Title: ORGANIC LIGHT-EMITTING DISPLAY APPARATUS AND METHOD OF MANUFACTURING TH SAME Inventor(s): Jeong-Yeol Lee, Yoon-Hyeung Cho and Ouck Han accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for per infringements of said Letters Patent before or after issuance. AND ASSIGNOR DOES HEREBY dovenant and agree that ASSIGNOR will communicate to sel ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respectin the Work, and lestify in any legal proceeding, assist in the preparation of any other Patent Proper relating to the Application, and the Work or any improvements made thereto, signifexecute all lawful Work including any improvements made thereto, any patent applications with the Application and the Work including any improvements made thereto, any patent applications lifed 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 Patent Properties Legal Name of inventor 1: Jeong-Yeol Lee Signature: Jeong-Yeol Lee Signature: Jeong-Hyeung Lhe Date: 22 January 2013 Legal Name of inventor 3: Ouck Han Signature: Ouck Han Date: 22 January 2013	COMBINED DECLARATION & A Application Data Sheet filed	ASSIGNMENT (37 C	FR 1.63(e))
SAME Inventor(s): Jeong-Yeol Lee, Yoon-Hyeung Cho and Ouck Han accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for particular infringements of said Letters Patient before or after issuance. AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patient Properties in the Mork, and testify in any legal proceeding, assist in the preparation of any other Patient Properties and and the Application, and the Work or any improvements made thereto, sign/execute all lawful papers, execute and make all rightful eaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patient applications filed therefrom, and an 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 patient protection for the Patient Properties. Legal Name of inventor 1: Jeong-Yeol Lee Signature: Usery - Yeol Lee Date: 22 January 2013 Legal Name of inventor 2: Yoon-Hyeung Cho Signature: Yeon - Hyeung Lee Date: 21 January 2013 Legal Name of inventor 3: Ouck Han	Docket No.; SDCYPL,300AUS	processory or domestical	The state of the s
accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for particle infringements of said Letters Patent before or after issuance. AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Properties the Work and testify in any legal proceeding, assist in the preparation of any other Patent Properties and assigns, as a significant of the Application, and the Work or any improvements made thereto, significant in the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and an continuing application filed from any of the aforementioned applications filed therefrom, and an 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 Patent Properties. Legal Name of inventor 1: Jeong-Yeol Lee Signature: Jeong-Yeol Lee Date: January 2013 Legal Name of inventor 2: Yoon-Hyoung Cho Signature: Yoon Hyoung Rive Date: January 2013 Legal Name of inventor 3: Ouck Han	TIBB: ORGANIC LIGHT-EMITTING DISPLAY APPAR SAME	NATUS AND METHOD O	F MANUFACTURING THE
AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to sai ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Properties 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 an 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 Patent Properties. Legal Name of inventor 1: Jeong-Yeol Lee Signature: Jeong-Yeol Lee Signature: Jeong-Yeol Lee Date: January 2013 Legal Name of inventor 2: Yoon-Hyoung Cho Signature: Myoung Cho Date: January 2013 Legal Name of inventor 3: Ouck Han	Inventor(s): Jeong-Yeol Lee, Yoon-Hyeung Cho and	Ouck Han	
AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to sel ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Properticulating to the Application, and the Work or any improvements made thereto, sign/execute all lawful papers, execute and make all rightful eaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and an 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 Patent Properties. Legal Name of inventor 1: Jeong-Yeo! Lee Signature: Jeong-Yeo! Lee Date: January 2013 Legal Name of inventor 2: Yoon-Hyoung Cho Signature: Teong-Hyoung Cho Date: January 2013	accrue hereafter, including, but not limited to, the rig infringements of said Letters Patent before or after issi	tht to sue for, collect, an	d retain damages for pas
Signature: Jeony-Yeol Lee Date: 22 January 2013 Legal Name of inventor 2: Youn-Hyoung Cho Signature: Youn - Hyoung sho Date: 21 January 2013 Legal Name of inventor 3: Ouck Han	the Work, and testify in any legal proceeding, assis relating to the Application, and the Work or any impapers, execute and make all rightful oaths and/or dec Work including any improvements made thereto, a continuing application filed from any of the aforement possible to aid the ASSIGNEE, its successors legal of	assigns, any racts known it in the preparation of a provemente made theretolarations in connection wany patent applications	to ASSIGNOR respecting any other Patent Property to, sign/execute all lawful ith the Application and the filed therefrom, and any
Legal Name of Inventor 2: Yoon-Hyoung Cho Signature: Yoon — Hyoung Cho Date: 21 January 2013 Legal Name of Inventor 3: Ouck Han	Legal Name of inventor 1: Jeong-Yeo! Lee		The second secon
Signature: Yeon - Hyeum sho Date: 22 January 2013 Legal Name of Inventor 3: Ouck Han	· · · · · · · · · · · · · · · · · · ·	Date:	22 January 2013
Provide 10		Data:	22 January 2013
Signature: OUCK Han Date: 22 January 2013	Legal Name of Inventor 3: Ouck Han		
	Signature: <u>OUCK Han</u>	Date: _	22 January 2013

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> PATENT REEL: 030037 FRAME: 0965

RECORDED: 03/14/2013