OMB No. 0651-0027 (exp. 6/30/2008)	United States Patent and Trademar	k Office
F		
103	356322	
To the Director of the U.S. Patent and Trademark Office: Ple	ease record the attached documents or the new address(es) bein	w.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	Pm
1) Jae Yoon LEE 2) Joon Suk LEE	Name: LG.Philips LCD CO., LTD.	s PT 688
3) Young Mi KIM	Internal Address:	ايات
Additional name(s) of conveying party(ies) attached? 🔲 Yes 🔀 N	b	112955 11/62
3. Nature of conveyance/Execution Date(s):	Street Address: <u>20 Yoido-dong</u>	=
Execution Date(s) December 21, 2006	Youngdungpo-gu	
🛛 Assignment 🗌 Merger		
Security Agreement Change of Name	City: <u>Seoul</u>	
🗌 Joint Research Agreement	State:	
Government Interest Assignment	Country: Republic of Korea Zip:	
Executive Order 9424, Confirmatory License		
Other	Additional name(s) & address(es) attached? 🗌 Yes 🔀	No
A. Fatent Application No.(3)	B. Patent No.(s)	
Additional number	B. Patent No.(s) s attached? ☐ Yes ⊠ № 6. Total number of applications and patents involved: <u>1</u>	
A. Patent Application No.(s) Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Sunwoo Lee	s attached?	
Additional number 5. Name and address to whom correspondence concerning document should be mailed:	s attached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Sunwoo Lee	s attached?  Yes אס 6. Total number of applications and patents involved: <u>1</u>	
Additional number <b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Sunwoo Lee</u> Internal Address:	s attached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card	
Additional number <b>5. Name and address to whom correspondence</b> <b>concerning document should be mailed:</b> Name: <u>Sunwoo Lee</u> Internal Address: <u>815 Connecticut Avenue, N.W.</u>	s attached? ☐ Yes ⊠ NO 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account	title)
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:       Internal Address:         Street Address:       815 Connecticut Avenue, N.W.         Suite 500       Suite 500	s attached? ☐ Yes ⊠ NO 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 ☐ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ⊠ Enclosed	title)
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:       Internal Address:         Street Address:       815 Connecticut Avenue, N.W.         Suite 500       City:         Washington       City:	s attached?       Yes       NO         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$ 40.00         Authorized to be charged by credit card         Authorized to be charged to deposit account         Enclosed         None required (government interest not affecting	title)
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:	s attached? Yes   NO   6. Total number of applications and patents involved:   1   7. Total fee (37 CFR 1.21(h) & 3.41)   40.00   Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information	title)
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:	s attached? Yes   6. Total number of applications and patents involved:   1   7. Total fee (37 CFR 1.21(h) & 3.41)   40.00   Authorized to be charged by credit card   Authorized to be charged by credit card   Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting   8. Payment Information   a. Credit Card Last 4 Numbers	title)
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:	s attached? Yes   6. Total number of applications and patents involved:   1   7. Total fee (37 CFR 1.21(h) & 3.41)   40.00   Authorized to be charged by credit card   Authorized to be charged by credit card   Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting   8. Payment Information   a. Credit Card Last 4 Numbers   Expiration Date   b. Deposit Account Number   Authorized User Authorized Last 4 Numbers	
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:	s attached? Yes   6. Total number of applications and patents involved:   1   7. Total fee (37 CFR 1.21(h) & 3.41)   40.00   Authorized to be charged by credit card   Authorized to be charged by credit card   Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting   8. Payment Information   a. Credit Card Last 4 Numbers   Expiration Date   b. Deposit Account Number   Authorized User Attraction	
Additional number         5. Name and address to whom correspondence concerning document should be mailed:         Name:       Sunwoo Lee         Internal Address:	s attached? Yes   6. Total number of applications and patents involved:   1   7. Total fee (37 CFR 1.21(h) & 3.41)   40.00   Authorized to be charged by credit card   Authorized to be charged by credit card   Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting   8. Payment Information   a. Credit Card Last 4 Numbers   Expiration Date   b. Deposit Account Number   Authorized User Authorized Eshahi	

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 American LegalNet, Inc. www.USCourtForms.com

PATENT REEL: 018727 FRAME: 0309

## **ASSIGNMENT BY INVENTORS**

THIS ASSIGNMENT by, Jae Yoon LEE, residing at 105ho 103-dong Gangbyeonsamseong APT. 178beonji Wonhyoro4-ga Yongsan-gu, Seoul, Republic of Korea, Joon Suk LEE, residing at 2408ho 101-dong Dusan Apt. Guro4-dong, Guro-gu, Seoul, Republic of Korea, and Young Mi KIM, residing at B01 Deurim Villa 1237-6(12/4) Guwo11dong, Namdong-gu, Incheon-si, Republic of Korea, (hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in <u>DUAL-PLATE ORGANIC ELECTRO-LUMINESCENT DEVICE AND METHOD FOR</u> <u>MANUFACTURING THE SAME</u>, set forth in the attached application for Letters Patent of the United States; and

WHEREAS, LG.PHILIPS LCD CO., LTD., a corporation organized under and pursuant to the laws of Korea and having its principal place of business at <u>20</u>, <u>Yoido-dong</u>, <u>Youngdungpo-gu</u>, <u>Seoul</u>, <u>Republic of Korea</u>; (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their respective successors, legal representatives and assign, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and

1

DC1 301849001

benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by any one or all of the Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the

DC1 30184900.1

2

Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

## SEYFARTH SHAW LLP

## All practitioners at Customer Number 66886

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date:	Dec 21. 2006	Signature:	Jac Yan LEE		
•		<u> </u>	Jae Yoon LEE		
Date:	Dec 11, sub	Signature:	Joon Suk Lil		
Date:	Dec 21. 2006	Signature:	Young 14. KIM		

3

Young Mi KIM

DC1 30184900.1

PATENT REEL: 018727 FRAME: 0312 Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008)

	DRM COVER SHEET TS ONLY	
To the Director of the U.S. Patent and Trademark Office: Plea	ase record the attached documents or the new address(es) below.	]
<ol> <li>Name of conveying party(ies)</li> <li>Jae Yoon LEE</li> <li>Joon Suk LEE</li> <li>Young Mi KIM</li> </ol>	2. Name and address of receiving party(ies)       0         Name:       LG.Philips LCD CO., LTD.         Internal Address:       000000000000000000000000000000000000	
Additional name(s) of conveying party(ies) attached? 🗌 Yes 🔀 No	Street Address: 20 Voide-dong	
3. Nature of conveyance/Execution Date(s):	Street Address: 20 Yoido-dong	
Execution Date(s)       December 21, 2006         Assignment       Image: Merger         Security Agreement       Image: Change of Name         Joint Research Agreement       Image: Change of Name	Youngdungpo-gu City: Seoul State:	
<ul> <li>Government Interest Assignment</li> <li>Executive Order 9424, Confirmatory License</li> <li>Other</li> </ul>	Country: <u>Republic of Korea</u> Zip: Additional name(s) & address(es) attached?   Yes   No	
A. Patent Application No.(s)	document is being filed together with a new application. B. Patent No.(s) attached? П Yes 🛛 No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	-
Name: Sunwoo Lee	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	-
Internal Address: Street Address: 815 Connecticut Avenue, N.W.	<ul> <li>Authorized to be charged by credit card</li> <li>Authorized to be charged to deposit account</li> <li>Enclosed</li> </ul>	-
Suite 500	None required (government interest not affecting title)	
City:Washington	8. Payment Information	1
State: D.C. Zip: 20006-4004	a. Credit Card Last 4 Numbers	
Phone Number: (202) 828-5323	Expiration Date	
Fax Number: (202) 955-3133	b. Deposit Account Number	
Email Address: sunwoo.lee@seyfarth.com	Authorized User Name	
9. Signature: Southon Monine Ra Signature Sunwoo Lee, Registration No. 43,337 Name of Person Signing	# 47, 256       December 27, 2006         Date         Total number of pages including cover sheet, attachments, and document:	

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

American LegalNet, Inc. www.USCourtForms.com

RECORDED: 12/27/2006