

U.S. PTO
12/003043
12/19/2007
12-31-2007

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

To the Director of the U.S. Patent a

103471993

ments or the new address(es) below.

1. Name of conveying party(ies):

Kyung Eon Lee (12/10/2007), Myoung Kee Baek
(12/10/2007) and Han Wook Hwang (12/13/2007)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

2. Name and address of receiving party(ies)

Name: LG.Philips LCD Co., Ltd.

Internal Address:

Street Address:

20, Yoido-Dong, Yongdungpo-Gu, Seoul, Republic
of Korea

City:

State:

Country: Zip:

Additional name(s) & address(es)
attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence
concerning document should be mailed:

Name: Robert J. Gaybrick
MORGAN LEWIS & BOCKIUS LLP

Internal Address: Atty. Dkt.: 041501-5727US

Street Address: 1111 Pennsylvania Ave NW

City: Washington

State: DC Zip: 20004

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Fax Number: (202) 739-3001

Email Address: patents@morganlewis.com

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)

8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 50-0310

Authorized User Name Robert J. Goodell

9. Signature:

Signature

Robert J. Goodell - 41,040

Name of Person Signing

12/28/2007 DEYRNL 00000075 500210 12003043
01 FC:8021 40.0000
December 19, 2007

Total number of pages including cover
sheet, attachments, and documents:

5

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

LIQUID CRYSTAL DISPLAY DEVICE WITH PHOTSENSOR AND METHOD OF FABRICATING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Application No. ____); and



WHEREAS, LG.Philips LCD Co., Ltd., a corporation of Republic of Korea, whose post office address is 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. _____, filed Dec. 19, 2007) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Kyung Eon LEE	Assignor's Signature 	Date <u>Dec. 10, 2007</u>
Address 113-1703, Hanil Town, 881bunji, Jowon-dong, Jangam-gu, Suwon si, Gyeonggi-Do, Korea		Citizenship Republic of Korea
Full Name of Second Assignor Myoung Kee BAEK	Assignor's Signature 	Date <u>Dec. 10, 2007</u>
Address 702-2002, Tteuriechae apt. Jukjeon 1-dong, Suji-gu, Yongin si, Gyeonggi-Do, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor Han Wook HWANG	Assignor's Signature	Date
Address A-301, Ajera, 226-11, Jung-ri, Seokjeok-myeon, Chilgok-gun, Gyeongsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor	Assignor's Signature	Date
Address A-301, Ajera, 226-11, Jung-ri, Seokjeok-myeon, Chilgok-gun, Gyeongsangbuk-Do, Korea		Citizenship
Full Name of Fifth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

ATTORNEY DOCKET NO.: 041501-5727
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

LIQUID CRYSTAL DISPLAY DEVICE WITH PHOTSENSOR AND METHOD OF FABRICATING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Application No. ____); and

WHEREAS, LG.Philips LCD Co., Ltd., a corporation of Republic of Korea, whose post office address is 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

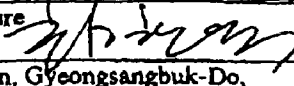
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. _____, filed Dec. 19, 2007) the filing date and application number of said application when known.

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Full Name of Sole or First Assignor Kyung Eon LEE	Assignor's Signature	Date
Address 113-1703, Hanil Town, 881bunji, Jowon-dong, Jangan-gu, Suwon si, Gyeonggi-Do, Korea		Citizenship Republic of Korea
Full Name of Second Assignor Myoung Kee BAEK	Assignor's Signature	Date
Address 702-2002, Teuriechae apt. Jukjeon 1-dong, Suji-gu, Yongin si, Gyeonggi-Do, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor Han Wook HWANG	Assignor's Signature 	Date 13/DEC/2007
Address A-301, Ajera, 226-11, Jung-ri, Seokjeok-myeon, Chilgok-gun, Gyeongsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor	Assignor's Signature	Date
Address A-301, Ajera, 226-11, Jung-ri, Seokjeok-myeon, Chilgok-gun, Gyeongsangbuk-Do, Korea		Citizenship
Full Name of Fifth Assignor	Assignor's Signature	Date
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Address		Citizenship
Full Name of Seventh Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

I-WA/2858810.1

PATENT

RECORDED: 12/19/2007

REEL: 020315 FRAME: 0451