

FORM PTO-1595
(Rev. 6-93)

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102562067

S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
HEET

Attorney Docket No.: 049128-5133

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Seok Su KIM
2. CHANG GONE KIM
3. Gi Suck KWON
4. Seok Woo LEE

9-22-03

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: LG.Philips LCD Co., Ltd.

Internal Address:

Street Address: 20, Yoido-dong, Youngdungpo-ku,
Seoul, Korea

City:

State:

Zip:

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 1. September 8, 2003, 2. September 8, 2003, September 8, 2003, September 9, 2003

4. New Application number(s) or patent number(s): **NEW APPLICATION**

If this document is being filed together with a new application the execution date of the application is:

1. September 8, 2003, 2. September 8, 2003, 3. September 8, 2003, 4. September 9, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: **Robert J. Gaybrick**

Internal Address: Morgan, Lewis & Bockius LLP
Customer No. 09629

Street Address: 1111 Pennsylvania Ave., N.W.
City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved:

7. Total fee (37 C.F.R. §3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310

(Attach duplicate page if paying by deposit account)

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert J. Goodell-Reg. No. 41,040

Name of Person Signing

Signature

September 22, 2003

Date

Total number of pages including cover sheet, attachments and documents: 3

31000 U.S. PTO

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09/29/2003 LMUELLER 00000108 500310 10664912

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PATENT
REEL: 014530 FRAME: 0411

ASSIGNMENT

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

DATA DRIVING APPARATUS AND METHOD FOR LIQUID CRYSTAL DISPLAY DEVICE

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

WHEREAS, **LG.Philips LCD Co., Ltd.**, a corporation 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 be issue upon this application;

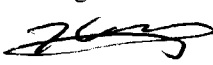
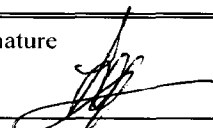
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, 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 parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.


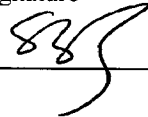
September 22, 2003

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

Full Name of Sole or First Assignor Seok Su KIM	Assignor's Signature 	Date Sep. 08. 2003
Address 1251-7, Daemyung 11-dong, Nam-gu, Daegu-kwangyokshi, Republic of Korea		Citizenship Republic of Korea
Full Name of Second Assignor Chang Gone KIM	Assignor's Signature 	Date SEP. 08. 2003
Address #201-1010, Hanshin Joongang APT., 936-1, Taejeon-dong, Buk-gu, Daegu-kwangyokshi, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Assignment - (Continued)

ATTORNEY DOCKET NO.: 049128-5133
SOLE/JOINT INVENTION
(U.S. Rights Only)

Full Name of Third Assignor Gi Suck KWON	Assignor's Signature 	Date Sep. 08. 2003
Address #1705, Daedong APT., 371-2, Imeun-dong, Kumi-shi, Kyongsangbuk-do, Republic of Korea		Citizenship Republic of Korea
Full Name of Fourth Assignor Seok Woo LEE	Assignor's Signature 	Date 9. Sep. 2003
Address 338, Oryu 1-dong, Kuro-gu, Seoul, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		