

07-01-2004



102781942

FORM PTO-1595  
(Rev. 6-93)
**RECORDATION FORM COVER SHEET  
PATENTS ONLY**
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 041993-5386

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. Joung-Ho RYU
2. Soo-Min KWAK
3. Hae-Joon SON

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-gu,  
Seoul, Korea

3. Nature of conveyance:

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

Execution Date: June 21, 2004

City:  
State:

Zip:

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

☐ Yes ☒ No

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:

June 21, 2004

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. 09629Street Address: 1111 Pennsylvania Ave., N.W.  
City: Washington State: D.C. Zip: 200046. Total number of applications and patents involved: 17. Total fee (37 C.F.R. §3.41): \$40.00☒ 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

June 24, 2004

Date

Total number of pages including cover sheet, attachments and documents: 5

17858 U.S. PTO  
10/874169

062404

06/30/2004 6TOM11 00000053 500310 10874169

01 FC:8021

40.00 DA

1-WA/2213150.1

**PATENT**  
**REEL: 015513 FRAME: 0063**

ASSIGNMENT

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

**LIQUID CRYSTAL DISPENSING SYSTEM WHICH CAN READ  
INFORMATION OF LIQUID CRYSTAL CONTAINER AND METHOD  
OF DISPENSING LIQUID CRYSTAL MATERIAL USING 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 \_\_\_\_\_, (Serial No. \_\_\_\_\_); and

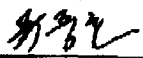
WHEREAS, LG Philips LCD Co., Ltd., a corporation of Korea, whose post office address is 20, Yongsu-dong, Youngdungpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters 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 assignees, their 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 the assignees, their 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 assignees, their 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 assignees, their successors and assigns execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignees, their 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 June 24, 2004 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 First Assignor Joung-Ho RYU	Assignor's Signature 	Date 21 June 2004
Address: Hanbo-Mido mansion Apt. 208-604, 511, Daechi-Dong, Gangnam-Gu, Seoul, Republic of Korea		Citizenship Republic of Korea
Full Name of Second Assignor Soo-Min KWAK	Assignor's Signature	Date
Address: Gupyong-Booyoung Apt. 203-501, Gupyong-Dong, Gumi, Gyeongsangbuk-Do, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

1-WA/2204243.1

P.25

9:07:20 PM 06/24/04

Full Name of Third Assignor Hac-Joon SON	Assignor's Signature 	Date 21 June 1994
Address: 861-6, Yeonsan 2-Dong, Yeonje-Gu, Busan, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1-WA/2204243.1

P. 27

9007-57 02:20 101 1111 22

ASSIGNMENT

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

**LIQUID CRYSTAL DISPENSING SYSTEM WHICH CAN READ  
INFORMATION OF LIQUID CRYSTAL CONTAINER AND METHOD  
OF DISPENSING LIQUID CRYSTAL MATERIAL USING 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 \_\_\_\_\_, (Serial No. \_\_\_\_\_); and

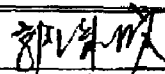
WHEREAS, LG Philips LCD Co., Ltd., a corporation of Korea, whose post office address is 20, Yongsong-dong, Youngdunghpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters 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 assignees, their 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 the assignees, their 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 assignees, their 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 assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignees, their 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 June 24, 2004 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 First Assignor Joung-Ho RYU	Assignor's Signature	Date
Address: Hanbo-Mido mansion Apt. 208-604, 511, Daechi-Dong, Gangnam-Gu, Seoul, Republic of Korea		Citizenship Republic of Korea
Full Name of Second Assignor Soo-Min KWAK	Assignor's Signature 	Date 2004.06.24
Address: Gupyong-Booyoung Apt. 203-501, Gupyong-Dong, Gumi, Gyeongsangbuk-Do, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

1-WA/2204243.1

P.2

ENCLOSURE 12:51 PM JUN 24

Full Name of Third Assignor Hae-Joon SON	Assignor's Signature	Date
Address: 861-6, Yeonsan 2-Dong, Yeonje-Gu, Busan, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1-WA/2204243.1

P.8

810767 02:51 PM '04