

02-01-2006



103168004.

Form PTO-1595
(Rev. 03/01)
OMB No. 0851-0027 (exp. 5/31/2002)

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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Joung-Ho RYU Hyug-Jin KWEON Hae-Joon SON
Kyu-Yong BANG Joon-Young KIM Man-Ho AN
Yong-Kyu SEO

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

3. Nature of Conveyance:

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

Execution Date: April 15 and 16, 2003

2. Name and address of receiving party(ies)

LG.Philips LCD Co., Ltd.
Name: Top Engineering Co., Ltd.

Internal Address:

Street Address:

20, Yoido-Dong, Youngdungpo-gu, Seoul, Korea

60-3, Ohro-Ri, Goah-Yup, Gumi, Gyoungsangbuk-
Do, Korea

City:

Country: Korea, Republic of Zip:

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: January 24, 2006

A. Patent Application No.(s):

10/847,286
10/421,714

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Song K. Jung
MCKENNA LONG & ALDRIDGE LLP

Internal Address: Atty. Dkt.: 8734.177.C2

Street Address:
1900 K Street, N.W.

City:
Washington

State: DC Zip: 20006

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

☐ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

50-0911

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Rebecca Goldman Rudich
Name of Person Signing

Rebecca Goldman Rudich
Signature

January 24, 2006
Date

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

01/25/2006 STEUMEL1 00000059 11337670

04 FC:8021

40.00 OP

PATENT
REEL: 017505 FRAME: 0387

ASSIGNMENT

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

APPARATUS AND METHOD FOR DISPENSING LIQUID CRYSTAL

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 Yuido-dong, Youngdungpo-gu, Seoul, Korea, and TOP ENGINEERING Co., Ltd., a corporation of Korea, whose post office address is 60-3, Ohro-Ri, Goah-Yup, Gumi, Gyoungsangbuk-Do, Korea (hereinafter referred to as Assignees), are 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 assignees are 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, 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 assignees, 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 assignees, 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 assignees, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignees, 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 assignees, 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.

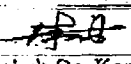
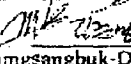
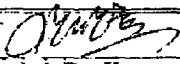

April 24, 2003

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

Full Name of Sole or First Assignor Joung-Ho RYU	Assignor's Signature <i>Ryu Joung Ho</i>	Date April 16, 2003
Address: Poonglim Apt. 205-1002, Hyunggok-Dong, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Second Assignor Hyug-Jin KWEON	Assignor's Signature <i>KWEON Hyug Jin</i>	Date April 16, 2003
Address: Daedong Apt. 102-1504, 539, Okgye-Dong, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Third Assignor Hae-Joon SON	Assignor's Signature <i>SC</i>	Date April 16, 2003
Address: 861-6 Yeonsan 2-Dong, Yonje-Gu, Pusan, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Morgan, Lewis & Bockius LLP

LWA/1964360.1

Full Name of Fourth Assignor Kim Yong BANG	Assignor's Signature 	Date April 15, 2003
Address: Binyoung Apt. 103-1205, 616-1, Okgye-Dong, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Fifth Assignor Jeon Yeong KIM	Assignor's Signature 	Date April 15, 2003
Address: Top engineering Co., LTD, 60-3, Ohro-Ri, Goah-Yup, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Sixth Assignor Man Ho AN	Assignor's Signature 	Date April 15, 2003
Address: Daedong Apt. 107-1304, 539, Okgye-Dong, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Full Name of Seventh Assignor Yong Eui SEO	Assignor's Signature 	Date April 15, 2003
Address: Eden Town Apt. 130-1705, Ohro-Ri, Goah-Yup, Gumi, Gyoungsangbuk-Do, Korea		Citizenship Republic of Korea
Copies of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Morgan, Lewis & Bockius LLP

134419641601