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

CORDATION FORM COVER SHEET

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PATENTS ONLY

113260 U.S. PTO
11/453823
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

1) Soon-Sung Yoo (6/1/2006), 2) Youn-Gyoung Chang (6/1/2006), 3) Heung-Lyul Cho (6/1/2006), and 4) Seung-Hee Nam (6/1/2006)

Additional name(s) 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

City: Seoul

State: _____

Country: Republic of Korea Zip: _____

Additional name(s) & address(es) 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 _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Sunwoo Lee**
JENKENS & GILCHRIST, A
PROFESSIONAL CORPORATION

Internal Address: Atty. Dkt.: **68768-05013USPX**

Street Address: **901 15th Street, Suite 900**

City: Washington

State: DC Zip: 20005

Phone Number: (202) 326-1525

Fax Number: (202) 326-1571

Email Address: slee@jenkens.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 _____

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b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

June 16, 2006

Date

Sunwoo Lee - 43,337
Name of Person Signing

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

9

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06 FC:8021

(40.00 OP)

DC 145511v1 68768-05013USPX

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT by, Soon-Sung YOO, residing at 915-1201 Geumgang Apt., Sanbon-dong, Gunpo-si, Gyeonggi-do, 435-040, Republic of Korea; Youn-Gyoung CHANG; residing at 111-2504 Daerim e-Pyeonhansesang Apt. Hogue3-dong, Dongan-gu, Annyang-si, Gyeonggi-do, 431-834, Republic of Korea; Heung-Lyul CHO, residing at 202-908 Samik2cha Apt. Homaesil-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, 441-882, Republic of Korea; and Seung-Hee NAM; residing at 502Ho 394-22Beonji Yuljeon-dong, Jangan-gu, Suwon-si, Gyeonggi-do, 440-320, Republic of Korea; (hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in **ARRAY SUBSTRATE FOR LIQUID CRYSTAL DISPLAY DEVICE, METHOD OF FABRICATING THE SAME, AND REPAIRING METHOD THEREOF**, 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 Republic of Korea and having its principal place of business at 20, Yoido-dong, Youngdungpo-gu, Seoul, Republic of Korea, (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 does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, 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 Assignee, for its own use and benefit and the use and benefit of its 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 Assignee 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 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:

JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION

All practitioners at Customer Number 56100

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

Date: _____

Signature: _____
Soon-Sung YOO

Date: _____

Signature: _____
Youn-Gyoung CHANG

Date: Jun. 1. 2006

Signature: Heung Lyul CHO
Heung-Lyul CHO

Date: _____

Signature: _____
Seung-Hee NAM

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT by, Soon-Sung YOO, residing at 915-1201 Geumgang Apt., Sanbon-dong, Gunpo-si, Gyeonggi-do, 435-040, Republic of Korea; Youn-Gyoung CHANG; residing at 111-2504 Daerim e-Pyeonhansesang Apt, Hoge3-dong, Dongan-gu, Annyang-si, Gyeonggi-do, 431-834, Republic of Korea; Heung-Lyul CHO, residing at 202-908 Samik2cha Apt, Homaesil-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, 441-882, Republic of Korea; and Seung-Hee NAM; residing at 502Ho 394-22Beonji Yuljeon-dong, Jangan-gu, Suwon-si, Gyeonggi-do, 440-320, Republic of Korea; (hereinafter referred to as Assignors);

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

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JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION

All practitioners at Customer Number 56100

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Date: 2006. Jan. 1.

Signature: Soon Sung Yoo
Soon-Sung YOO

Date: 2006. Jan. 1

Signature: Youn-Gyoung Chung
Youn-Gyoung CHANG

Date: _____

Signature: _____
Heung-Lyul CHO

Date: 2006.6.1

Signature: Seung-Hee Nam
Seung-Hee NAM