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1. Name of conveying party(ies):

Sung-Jae Moon
Dong-Gyu Kim
Sang-Soo Kim

Additional names(s) of conveying party(ies) Yes No

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

Name: SAMSUNG ELECTRONICS CO., LTD.

Address: 416 Maetan-dong, Paldal-ku

City: Suwon-city

State/Prov.: Kyungki-do

Country: USA

ZIP: 06002

Additional name(s) & address(es) Yes No

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3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: June 30, 2003

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

10714727

If this document is being filed together with a new application, the execution date of the application is: June 30, 2003

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers Yes No

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

Name: David A. Fox

Registration No. 38,807

Address: Cantor Colburn LLP

55 Griffin Road South

City: Bloomfield State/Prov.: CT

Country: USA ZIP: 06002

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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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.

David A. Fox

Name of Person Signing

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Signature

November 17, 2003

Date

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PATENT
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ASSIGNMENT

WHEREAS, I/WE, **MOON, Sung-Jae** residing at 42-14, Hwigyeong 2-dong, Dongdaemun-ku, Seoul, Korea, **KIM, Dong-Gyu** residing at 523-1305, Poongdukcheon-ri 1167, Suji-eup, Yongin-city, Kyungki-do, Korea and **KIM, Sang-Soo** residing at Samsung Apt. 107-202, Daechi 1-dong, Kangnam-ku, Seoul, Korea have invented certain new and useful improvements in:

Title: DISPLAY PANEL AND LIQUID CRYSTAL DISPLAY INCLUDING SIGNAL LINES

for which I/WE have filed an application for Letters Patent of the United States;

AND WHEREAS, SAMSUNG ELECTRONICS CO., LTD., a corporation organized and existing under the laws of Korea, having a place of business at 416, Maetan-dong, Paldal-ku, Suwon-city, Kyungki-do, Korea is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one (\$1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said MOON Sung-Jae, KIM Dong-Gyu and KIM Sang-Soo have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said SAMSUNG ELECTRONICS CO., LTD., the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said SAMSUNG ELECTRONICS CO., LTD., as assignee of the entire right, title and interest in and to the same, for the sole use and behoof of SAMSUNG ELECTRONICS CO., LTD., its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said SAMSUNG ELECTRONICS CO., LTD., its

successors or assigns, and that I/We will, at the cost and expense of the said SAMSUNG ELECTRONICS CO., LTD., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: June 30, 2003

Moan Sungjae L.S.
MOON, Sung-Jae

Date: June 30, 2003

Kim Donggyu L.S.
KIM, Dong-Gyu

Date: June 30, 2003

Sangsoo Kim L.S.
KIM, Sang-Soo