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12-27-06

1. Name of conveying parties:

A. Sang-Woo WHANGBO  
B. Shi-Yul KIM  
C. Sung-Hoon YANG  
D. Woo-Geun LEE

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

2. Name and address of receiving party:

Name: SAMSUNG ELECTRONICS CO., LTD.  
Address: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

Additional name(s) of receiving party(ies) attached?  
 Yes  No

113255 U.S. PTO  
11/646126



3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: A, B & D: August 29, 2006; C: August 28, 2006

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

If this document is being filed together with a new application, the execution date of the application is: A, B & D: August 29, 2006; C: August 28, 2006

A. Patent Application No.(s)

Title: THIN FILM TRANSISTOR SUBSTRATE FOR DISPLAY PANEL

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Howard R. Popper  
Internal Address: MACPHERSON, KWOK CHEN & HEID LLP  
Street Address: 2033 Gateway Place, Suite 400  
City San Jose State CA Zip 95110

6. Total number of applications and patents involved: One (1)

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

Authorized to be charged to Deposit Account No. 50-2257.  
 Charge Deposit Account No. 50-2257 for any additional fees required for this conveyance and credit Deposit Account No. 50-2257 any amounts overpaid

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8. 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.*

Michael Shenker, Reg. No. 34,250 December 27, 2006  
Name of Person Signing Signature Date

Total number of pages comprising cover sheet: 1

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PATENT

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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, I

<b>Sang-Woo WHANGBO</b>	of	7-704 Asia Seonsuchon Apt., Jamsil7-dong, Songpa-gu, Seoul, Korea
<b>Shi-Yul KIM</b>	of	806-1601 Doosan we've Apt., #861, Sanghyeon-dong, Yongin-si, Gyeonggi-do, Korea
<b>Sung-Hoon YANG</b>	of	106-301, Ssangyong Apt., Seongsulga2-dong, Seongdong-gu, Seoul, Korea
<b>Woo-Geun LEE</b>	of	107-204, Hyundai Morning side 2cha, Bora-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Korea

hereby sell, assign and transfer to **SAMSUNG ELECTRONICS CO., LTD.**, a corporation, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**THIN FILM TRANSISTOR SUBSTRATE FOR DISPLAY PANEL**

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 29 day of August, 2006.

*Sangwoo Whangbo*  
 \_\_\_\_\_  
**Sang-Woo WHANGBO**

WITNESSED:

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Type or print name of witness

Executed this 29 day of August, 2006.

Shi-Yul Kim  
Shi-Yul KIM

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 28 day of 8, 2006.

Sung-Hoon Yang  
Sung-Hoon YANG

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 29 day of August, 2006.

Woo-Geun Lee  
Woo-Geun LEE

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness