

08-30-2005

RE



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To the Honorable Commissioner of Patents and Tra

aments or copy thereof.

1. Name of conveying party(ies):  
**Young-Chol YANG; Chong-Chul CHAI; Jeong-Ye CHOI; Jin-Oh KWAG; Jin-Hong KIM; Sang-II KIM; Mun-Pyo HONG; Nam-Seok ROH**

Additional names of conveying party(ies) attached?  
 yes  no

3. Nature of Conveyance

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

Execution Date: August 8, 2005

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

Name: **Samsung Electronics Co., Ltd.**

Internal Address:

Street Address: **416, Maetan-dong, Yeongtong-gu**  
City: **Suwon-si, Gyeonggi-do**  
State or Country: **The Republic of KOREA**

Additional name(s) & address(es) attached?  
 yes  no

113243 U.S. PTO  
11/209863



082405

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

Title: **THIN FILM TRANSISTOR ARRAY PANEL AND LIQUID CRYSTAL DISPLAY INCLUDING THE PANEL**

If this document is being filed together with a new application, the execution date of the application is **August 8, 2005**

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:

Hae-Chan Park  
McGuireWoods LLP  
1750 Tysons Boulevard, Suite 1800  
McLean, Virginia 22102

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  
 Total fee due  
 Any deficiencies in the enclosed fees

8. Deposit account number: **23-1951**

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.

Hae-Chan Park, Reg. No. 50,114  
Name of Person Signing  
Signature

August 24, 2005  
Date

08/29/2005 BYTME 00000037-11209863

01-FC-0021 (0.00 OP)

**ASSIGNMENT**

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

an application for United States Letters Patent entitled "**THIN FILM TRANSISTOR ARRAY PANEL AND LIQUID CRYSTAL DISPLAY INCLUDING THE PANEL**" ("Application");

upon which United States Letters Patent, Patent Number \_\_\_\_\_, has issued ("Patent");

Whereas, Assignor desires to convey all rights, title and interests in and to the same to Samsung Electronics Co., Ltd. ("Assignee"), with offices located at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States, , any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the U.S. or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense..

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

Assignor:

Signature: *Yang Young-Chol*

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Date: 08/08/2005

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Signature: Choi, Chong Chul

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Date: 08/08/2005

Assignor:

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Date: 08/08/2005

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