

02-02-2006

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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)**

- a) Jung-Hwan CHO
- b) Jang-Hyun YEO
- c) Seung-Hwan MOON
- d) Jun-Pyo LEE

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) October 31, 2005

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other

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

Name: Samsung Electronics Co., LTD.

Internal Address: \_\_\_\_\_

Street Address: 416, Maetan-dong

Yeongtong-gu, Suwon-si, Gyeonggi-do,

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: Korea Zip: \_\_\_\_\_

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

**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)

FFANAEIA 00000030 11340131

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Carmen C. Cook

Internal Address: Patent Law Group LLP

Street Address: 2635 N. First Street, Ste. 223

City: San Jose

State: California Zip: 95134

Phone Number: (408) 382-0480 x208

Fax Number: (408) 382-0481

Email Address: carmen@patentlawgroup.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 4899  
Expiration Date 03/2008

b. Deposit Account Number \_\_\_\_\_

Authorized User Name Carmen C. Cook

**9. Signature:**

Carmen C. Cook

Signature

January 26, 2006

Date

Carmen C. Cook, 42,433

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Attorney Docket: SAM-OPP051758US

**PATENT**  
**REEL: 017514 FRAME: 0582**

**ASSIGNMENT**

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

<b>Jung-Hwan Cho</b>	of	<b>Gyeonggi-do, Korea</b>
<b>Jang-Hyun Yeo</b>	of	<b>Seoul, Korea</b>
<b>Seung-Hwan Moon</b>	of	<b>Gyeonggi-do, Korea</b>
<b>Jun-Pyo Lee</b>	of	<b>Gyeonggi-do, Korea</b>

hereby sell, assign and transfer to **Samsung Electronics Co., LTD.**, a Korean 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

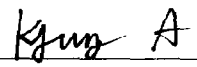
**Liquid Crystal Display and Manufacturing Method Thereof**

for which we 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; we 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 us; we 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 we 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 31st day of October, 2005.

  
**Jung-Hwan Cho**

WITNESSED:

  
 Signature

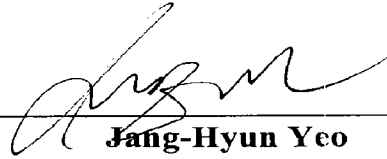
October 31, 2005

Date


LEE, Kyung-A

Type or print name of witness

Executed this 31st day of October, 2005.

  
\_\_\_\_\_  
**Jang-Hyun Yeo**

WITNESSED:

  
\_\_\_\_\_  
Signature

October 31, 2005

Date


LEE, Eun-Ju

Type or print name of witness

Executed this 31st day of October, 2005.

  
\_\_\_\_\_  
**Seung-Hwan Moon**

WITNESSED:

  
\_\_\_\_\_  
Signature

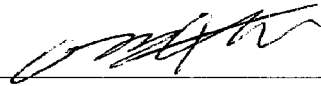
October 31, 2005

Date

KIM, Young-Ju

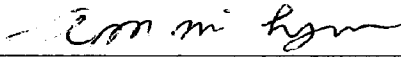
Type or print name of witness

Executed this 31st day of October, 2005.



**Jun-Pyo Lee**

WITNESSED:



Signature

October 31, 2005

Date

JEON, Mi-Hyun

Type or print name of witness