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Bong-Im PARK and Woo-Chul KIM

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

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

Execution Date(s) 19 July 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,

City: Suwon-Si, Gyeonggi-do

State:

Country: Republic of 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)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Hae-Chan Park

Internal Address: McGuireWoods LLP

Street Address: 1750 Tysons Boulevard, Suite 1800

City: McLean

State: VA

Zip: 22102

Phone Number: 703-712-5365

Fax Number: 703-712-5280

Email Address:

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

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9. Signature:

Signature

30 August 2005

Date

Hae-Chan Park

Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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PATENT
REEL: 016929 FRAME: 0674

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
**LIQUID CRYSTAL DISPLAY, METHOD FOR DETERMINING GRAY LEVEL
IN DYNAMIC CAPACITANCE COMPENSATION ON LCD, AND METHOD
FOR CORRECTING GAMMA OF LCD**

("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, Republic of 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: Park, Bong Im

Print

Name: Bong-im PARK

Address: #200, Myeongam-Ri, Tangjeong-Myeon, Asan-City, Chungcheongnam-Do, Republic of
Korea, 336-841

Date: '05. 07. 19.

Assignor:

Signature: [Signature]

Print

Name: Woo-chul KIM

Address: #200, Myeongam-Ri, Tangjeong-Myeon, Asan-City, Chungcheongnam-Do, Republic of
Korea, 336-841

Date: '05. 07. 19

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE