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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Won-Sang PARK, Sang-Woo KIM, Jae-Young LEE, Sung-Eun CHA, Jae-Ik LIM, and Jae-Hyun KIM

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: December 10, 2004

2. Name and address of receiving party(ies)

Name: Samsung Electronics, Co., Ltd.Internal Address: 416, Maetan 3-dong
Yeongtong-gu, Suwon-city
Kyungki-do, KOREA

Street Address: _____

City: _____ State _____ Zip: _____

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

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: December 13, 2004

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:

Name: K. Jenny SungInternal Address: Gray Cary Ware & FreidenrichStreet address: 2000 University AvenueCity: East Palo Alto State: CA Zip: 943036. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) _____ \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 07-1896

(Attach duplicate copy of this page if paying by deposit account)

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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.*K. Jenny Sung

Name of Person Signing

48,639

Reg. No.

Signature K. Jenny SungDecember 13, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 04Mail documents to be recorded with required cover sheet information to:
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REEL: 016089 FRAME: 0110

ASSIGNMENT

WHEREAS, We, Won-Sang PARK, Sang-Woo KIM, Jae-Young LEE, Sung-Eun CHA, Jae-Ik LIM, and Jae-Hyun KIM, have invented certain new and useful improvements in **"An Optical Film Assembly for a Display Device"**, a United States patent application filed

 X herewith, OR
 on December 17, 2004 as U.S. Application Serial No. _____;

AND WHEREAS SAMSUNG ELECTRONICS, CO., LTD., hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country of the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am a lawful owner of the application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the inventions or improvements on any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree, jointly and individually with any co-inventor(s), that I will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all

other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED Won Sang PARK Date: Dec 10 2004
Won-Sang PARK

EXECUTED Sang-Woo KIM Date: December 10, 2004
Sang-Woo KIM

EXECUTED Jae-Young LEE Date: Dec 10, 2004
Jae-Young LEE

EXECUTED Sung-Eun CHA Date: Dec 10 - 2004
Sung-Eun CHA

EXECUTED Jae-Ik LIM Date: Dec 10, 2004
Jae-Ik LIM

EXECUTED Jae-Hyun KIM Date: Dec 10, 2004
Jae-Hyun KIM

IN WITNESS WHEREOF:

Witness #1

Witnessed: _____ Date: _____

(Printed Name)

Address: _____

Witness #2

Witnessed: _____ Date: _____

(Printed Name)

Address: _____