FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) P08A/REV03 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please attached original documents or copy tpered 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Kyu-Seok Kim Ik-Soo Lee Name: Samsung Electronics Co. LTD. Address: 416 Maetan-dong, Paldal-gu, Suwon-si ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger ☐ Change of Name City: Gyeonggi-do ☐ Security Agreement State/Prov.: Country: Korea ZIP: Other Execution Date: 01/27/2003 Additional name(s) & address(es) ☐ Yes ☑ No Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: 01/27/2003 Filing date B. Patent No.(s) Patent Application No. Additional numbers ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: David A. Fox 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Cantor Colburn LLP Authorized to be charged to deposit account 55 Griffin Road South 8. Deposit account number: City: Bloomfield State/Prov.: CT 06-1130 ZIP: 06002 (Attach duplicate copy of this page if paying by deposit account) Country: USA DO NOT USE THIS SPACE 40.00 OP %.FStatement 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. February 14, 2003 David A. Fox; Reg. #: 38,807 Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to:

Docket No.: 21C-0039

ASSIGNMENT

WHEREAS, WE, KYU-SEOK KIM, residing at 401-504, Geumhwamaul Jugong Greenvill, #463, Sanggal-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Korea and IK-SOO LEE, residing at 7-1107, Imgwang Apt., Maetan3-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Korea, have invented certain new and useful improvements in:

Title: BACKLIGHT ASSEMBLY AND LIQUID CRYSTAL DISPLAY APPARATUS HAVING THE SAME

for which I/WE have filed an application for Letters Patent of the United States;

AND WHEREAS, SAMSUNG ELECTRONICS CO. LTD., a corporation organized and existing under the laws of Korea, having a place of business at 416, Maetan-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Korea is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one (\$1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, We, the said KYU-SEOK KIM and IK-SOO LEE have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said SAMSUNG ELECTRONICS CO. LTD., the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said SAMSUNG ELECTRONICS CO. LTD., as assignee of the entire right, title and interest in and to the same, for the sole use and behoof of SAMSUNG ELECTRONICS CO. LTD., its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said SAMSUNG ELECTRONICS CO. LTD., its successors or assigns, and

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PATENT REEL: 013783 FRAME: 0471 that I/We will, at the cost and expense of the said SAMSUNG ELECTRONICS CO. LTD., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: January 20,2003 Kyu-Seok Kim L.S. KYU-SEOK KIM

RECORDED: 02/14/2003

Date: January 21, 2003 IK-SOD CEL L.S.

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PATENT REEL: 013783 FRAME: 0472