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U.S DEPARTMENT OF COMMERCE Patent and Trademark Office

Q60267 To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies)? Jong-Chul CHOI Name: SAMSUNG ELECTRONICS CO., LTD. Internal Address: Additional name(s) of conveying party(ies) attached? 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic __ yes of Korea <u>x</u> no Street Address: Same as above 3. Nature of Conveyance: State Zip <u>x</u> Assignment Merger Additional name(s) & address(es) attached? Security Agreement Change of Name ____ yes <u>___x</u> no ___ Other Execution Date: July 19, 2000 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: July 19, 2000 A. Patent Application No.(s) B. Patent No(s). Additional numbers attached? x No 5. Name and address of party to whom correspondence Total number of applications and patents involved: concerning document should be mailed: One (1) SUGHRUE, MION, ZINN, MACPEAK & SEAS 2100 Pennsylvania Avenue, N.W. 7. Total Fee (37 CFR 3.41): Suite 800 40.00 Washington, D.C. 20037-3202 x Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. ___ Authorized to be charged to Deposit Account 8. Deposit Account No. (Attach dupl. copy of this page if paying by Deposit Account) DO NOT WRITE IN THIS SPACE 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 origins document. Registration No. 32,778 July 28, 2000 Darryl Mexic Reg. No. 23,063 TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents

Box Assignments

Washington, D.C. 20231

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PATENT REEL: 011013 FRAME: 0173

ASSIGNMENT

Whereas, I/We,

Date:

RECORDED: 07/28/2000

Jong-Chul CHOI of 484-302, Uman-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

hereinafter called assignor(s), have invented certain improvements in "DEVICE FOR ENHANCING CONTRAST IN LIQUID CRYSTAL DISPLAY PROJECTION SYSTEM" and executed an application for Letters Patent of the United States of America therefor on _____ =1999; and Whereas, SAMSUNG ELECTRONICS CO., LTD. of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor; Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We the above-named assignor(s), hereby sell, assign and transfer to the above named assignee. its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number ______, filed) the filing date and application number of said application when known. Date: July 19 2000

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

PATENT REEL: 011013 FRAME: 0174

s/_____

s/ _____