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Form PTO-1595  
1-31-92



U.S. DEPARTMENT OF COMMERCE  
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100954473

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

1. Name of conveying party(ies):  
Jong-hoon LEE

Additional name(s) of conveying party(ies) attached?  
 yes  no **1-11-99**

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: December 30, 1998

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

Name:  
SAMSUNG ELECTRONICS CO., LTD.  
Internal Address:  
416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea  
Street Address:  
Same as above

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:

A. Patent Application No.(s) | B. Patent No(s).  
09/182,208

Additional numbers attached?  Yes  No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:  
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00  
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.  
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8. Deposit Account No.  
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01/11/1999 CHDANG 00000016 09182208  
01 Fee:581 40.00 OP

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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.

Darryl Mexic January 11, 1999 **40E**  
Name Darryl Mexic Reg. No. 23,063 Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
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# ASSIGNMENT

Whereas, I/We,

Jong-hoon Lee of 1-203, Samsung 2-cha Apt., Maetan-dong, Paldal-gu  
Suwon-city, Kyungki-do, Rep. of Korea

hereinafter called assignor(s), have invented certain improvements in

COOLANT BUFFERING APPARATUS FOR CRT ASSEMBLY

and executed an application for Letters Patent of the United States of America therefor on

30 December 1998 ; 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 of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number 09/182,208, filed 30 October 1998) the filing date and application number of said application when known.

Date: 30 December 1998 s/ Lee Jong Hoon  
Jong-hoon Lee

Date: \_\_\_\_\_ s/ \_\_\_\_\_

Date: \_\_\_\_\_ s/ \_\_\_\_\_

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