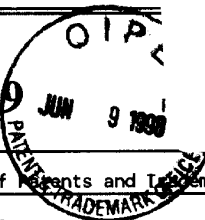


Form PTO-1595  
1-31-92

Q48629



06-18-1998



100742082

DEPARTMENT OF COMMERCE  
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):  
Chul-min 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: April 1, 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

6-9-98

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)

09/004,321

B. Patent No(s).

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.

☐ 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 original document.

*Darryl Mexic*

Name Darryl Mexic Reg. No. 23,063

June 9, 1998

Date

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

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 9242 FRAME: 0656

# ASSIGNMENT

Whereas, I/We, **Chul-min Kim** of 839-10, Anyang 2-dong, Manan-gu, Anyang-city, Kyungki-do, Republic of Korea

hereinafter called assignor(s), have invented certain improvements in  
**METHOD AND APPARATUS FOR DETECTING A SYNCHRONOUS SIGNAL**

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

April 1, 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 any 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 authorize and request my/our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number 09/004,321, filed January 9, 1998) the filing date and application number of said application when known.

Date: April 1, 1998/ Chul Min Kim

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

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

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

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

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

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