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Form PTO-1595
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U.S. 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):
Ig-yong LEE

Additional name(s) of conveying party(ies) attached?
___ yes ___ x no

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 ___ x no

3. Nature of Conveyance:

 Assignment ___ Merger

___ Security Agreement ___ Change of Name

___ Other

Execution Date: June 3, 1998

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).

09/082,149

Additional numbers attached? ___ Yes ___ x No

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

SUGHRUE, MIOW, 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
___ x Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

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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
Name Darryl Mexic Reg. No. 23,063 July 31, 1998
Date

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

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

Whereas, I/We, Ig-yong Lee of 102-504, Jugong Apt., Sanbon 1-dong, Gunpo-city, Kyungki-do, Republic of Korea

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

DIGITAL PHASE LOCKED LOOP CIRCUIT AND METHOD THEREFOR

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

June 3, 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 09/082,149, filed May 21, 1998) the filing date and application number of said application when known

Date: June 3, 1998 s/  _____
Ig-yong Lee
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)