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OMB No. 0651-002



102288526

HEET

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

## 1. Name of conveying party(ies):

Jung-hyun LEE  
Seok-jun KO  
Pan-soo KIM  
Hyung-jin CHOI

## 2. Name and address of receiving party(ies):

SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Korea

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: October 21, 2002

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)  
10/215,201

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, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed.☒ Authorized to be charged 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.

Reg. No. 38,551

November 12, 2002

Darryl Mexic

Reg. No. 23,063

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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11/21/2002 6TON11 00000015 194880 10215201  
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PATENT  
REEL: 013497 FRAME: 0333

## Assignment

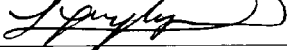
Whereas, We, LEE, JUNG-HYUN, Na-206, Lotte Village 1494-16, Seocho-3-dong, Seocho-gu, Seoul, Korea, KO, SEOK-JUN, Sungkyunkwan University, 300, Chunchun-dong, Jangan-gu, Suwon City, Gyunggi-do, Korea, KIM, PAN-SOO, Sungkyunkwan University, 300, Chunchun-dong, Jangan-gu, Suwon city, Gyunggi-do, Korea, and CHOI, HYUNG-JIN, Sungkyunkwan University, 300, Chunchun-dong, Jangan-gu, Suwon-city, Gyunggi-do, Korea, respectively, hereinafter called assignors, have invented certain improvements in ASYMMETRIC ERROR CORRECTION APPARATUS AND METHOD, AND CLOCK RECOVERING APPARATUS FOR OPTICAL READING SYSTEM EMPLOYING THE SAME and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and


Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, 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;

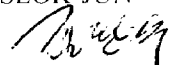
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

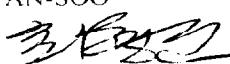
We, the above named assignors, hereby sells, assigns and transfers to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and 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.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_, the filing date and application number of said application when known.

Date:  October 21, 2002  
s/LEE, JUNG-HYUN

Date:  October 21, 2002  
s/KO, SEOK-JUN

Date:  October 21, 2002  
s/KIM, PAN-SOO

Date:  October 21, 2002  
s/CHOI, HYUNG-JIN

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