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To the Assistant Commissioner  
1. Name of conveying party(ies):  
Sung-Soo KIM  
Additional name(s) of conveying party(ies) attached?  
 yes  no

Original documents or copy thereof of receiving party(ies)?  
101572246  
SAMSUNG ELECTRONICS CO., LTD.  
416, Metan-3-dong, Paldal-ku, Suwon-city, Kyungki-do 442-742, Republic of Korea



3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Names  
 Other  
Execution Date: November 15, 2000

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)  
09/641,970

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

6. Total number of applications and registration involved: 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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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*  
Darryl Mexic  
Reg. No. 23,063  
December 21, 2000  
Date

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12/22/2000 SDUONG 00000003 09641970  
03 FC:581 40.00

PATENT REEL: 011386 FRAME: 0581

For Non-U.S. Clients

### Assignment

Whereas, I/We, Sung-Soo KIM of #21-504, Ku-Maetan Apt., Mactanl-dong, Paldal-ku, Suwon-city, Kyungki-do 442-371, Republic of Korea, hereinafter called assignor(s), have invented certain improvements in APPARATUS AND METHOD FOR CONVERTING FROM PROGRESSIVE SCANNING IMAGE TO INTERLACE SCANNING IMAGE and executed an application for Letters Patent of the United States of America therefor on November 15, 2000, and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Metan-3-dong, Paldal-ku, Suwon-city, Kyungki-do 442-742, 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 our attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3212 to insert here in parentheses (Application number 09/641,970 , filed August 21, 2000 ) the filing date and application number of said application when known.

Date: November 15, 2000 Sung Soo Kim  
s/Sung-Soo KIM

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

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

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

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

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s/

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