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1-19-07

**1. Name of conveying party(ies):**  
Dong Ki MIN  
Seung Bum HONG  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies):**  
SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong  
Yeongtong-gu, Suwon-si  
Gyeonggi-do, Republic of Korea  
  
Additional name(s) & address(es) attached?  Yes  No

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11/655245  
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**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s): December 21, 2006 and December 21, 2006  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

**4. Application number(s) or patent number(s):**  This document is being filed together with a new application  
A. Patent Application No.(s)  
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  
WASHINGTON OFFICE  
23373  
CUSTOMER NUMBER

**6. Total number of applications and patents involved:**  
1  
**7. Total fee (37 CFR 1.21(h) & 3.41):** \$40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to Deposit Account No. 19-4880.  
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 None required (government interest not affecting title)

**8. Deposit Account Number:**  
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**9. Signature:**  
/darrylmexic/ January 19, 2007  
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### Assignment

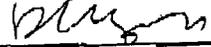
Whereas, We, Dong Ki MIN and Seung Bum HONG of Seoul, Republic of Korea, and Seongnam-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in IMAGE SENSOR HAVING IMPROVED RESOLUTION AND IMAGE SENSING METHOD USING THE SAME and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., of 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-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,

We, the above named assignors, 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 we request the Director of the 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 application number and filing date of said application when known.

Date: Dec. 21, 2006   
s/Dong Ki MIN  
Date: Dec. 21, 2006   
s/Seung Bum HONG

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