

**PATENT ASSIGNMENT**

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                           |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                               |
| <b>CONVEYING PARTY DATA</b>  |  |
| <b>Name</b>  | <b>Execution Date</b>                    |
| Kang-Eui Lee   | 01/12/2011                               |
| Sung-Su Kim  | 01/12/2011                               |
| Seong-Deok Lee   | 01/12/2011                               |
| Won-Hee Choe   | 01/12/2011                               |
| Young-Jin Yoo  | 01/12/2011                               |
| <b>RECEIVING PARTY DATA</b>  |  |
| <b>Name:</b>   | Samsung Electronics Co., Ltd.            |
| <b>Street Address:</b>   | 416, Maetan-dong, Yeongtong-gu           |
| <b>City:</b>   | Suwon-si, Gyeonggi-do                    |
| <b>State/Country:</b>  | REPUBLIC OF KOREA                        |
| <b>Postal Code:</b>  | 443-742                                  |
| <b>PROPERTY NUMBERS Total: 1</b>   |  |
| <b>Property Type</b>   | <b>Number</b>                            |
| <b>Application Number:</b>   | 13006482                                 |
| <b>CORRESPONDENCE DATA</b>   |  |
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| <b>ATTORNEY DOCKET NUMBER:</b>   | 12000.SMG.0901                           |
| <b>NAME OF SUBMITTER:</b>  | Christopher R. Monday                    |

OP \$40.00 13006482

Total Attachments: 2

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## ASSIGNMENT

For valuable consideration, we,

|                |   |
|----------------|---|
| Kang-Eui LEE   | 612-502 LG 6cha Village, Seongbok-dong, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea  |
| Sung-Su KIM    | Multimedia Lab, Samsung Advanced Institute of Technology, Mt.14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea |
| Seong-Deok LEE | 437-1201 Samsung Apt., Cheongmyeong Maeul 4danji, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea              |
| Won-Hee CHOE   | 14-2 (201) Miju Apt., Seongnae 1-dong, Gangdong-gu, Seoul, Republic of Korea  |
| Young-Jin YOO  | 363-2202 Poongsung Shinmiju Apt., 75beonji Sibeom Dacun Maeul, Bansong-dong, Hwaseong-si, Gyeonggi-do, Republic of Korea              |

hereby assign to:

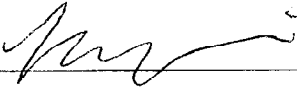
**SAMSUNG ELECTRONICS CO., LTD.**, a Republic of Korea

corporation/institute/institution having principal executive office(s) or place of business at: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea; and


its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number \_\_\_\_\_ filed \_\_\_\_\_ at the U.S. Patent & Trademark Office signed by us, with title **APPARATUS AND METHOD FOR GENERATING HIGH SENSITIVITY IMAGES IN DARK ENVIRONMENT**, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

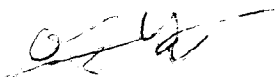
This 12th day of January, 2011

  
Signature: Kang-Eui LEE

This 12th day of January, 2011

  
Signature: Sung-Su KIM

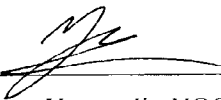
This 12th day of January, 2011

  
Signature: Seong-Deok LEE

This 12th day of January, 2011

  
Signature: Won-Hee CHOE

This 12th day of January, 2011

  
Signature: Young-Jin YOO