

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|--|---------------|----------------|---------------------|------------|--------------|------------|-------------|------------|--------------|------------|---------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yi-Tae KIM</td> <td>12/09/2008</td> </tr> <tr> <td>Sang-il JUNG</td> <td>12/09/2008</td> </tr> <tr> <td>Yun-Ho JANG</td> <td>12/17/2008</td> </tr> <tr> <td>Kyung-Ho LEE</td> <td>12/09/2008</td> </tr> <tr> <td>Sae-Young KIM</td> <td>12/09/2008</td> </tr> </tbody> </table> | | Name | Execution Date | Yi-Tae KIM | 12/09/2008 | Sang-il JUNG | 12/09/2008 | Yun-Ho JANG | 12/17/2008 | Kyung-Ho LEE | 12/09/2008 | Sae-Young KIM | 12/09/2008 |
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| Kyung-Ho LEE | 12/09/2008 | | | | | | | | | | | | |
| Sae-Young KIM | 12/09/2008 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
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| Street Address: | 416 Maetan-dong, Yeongtong-gu | | | | | | | | | | | | |
| City: | Suwon-si, Gyeonggi-do | | | | | | | | | | | | |
| State/Country: | REPUBLIC OF KOREA | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12196491</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12196491 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12196491 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 207-1008 | | | | | | | | | | | | |
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| Total Attachments: 1 | | | | | | | | | | | | | |

CH \$40.00 12196491

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by (insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

IMAGE SENSOR AND METHOD OF STABILIZING A BLACK LEVEL IN AN IMAGE SENSOR

relating to International Patent Application PCT / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on (Insert date of execution of application, if not concurrent)

(b) filed on

Serial No.

*** Any registered attorney of Stanzone & Kim, LLP, 919 18th Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified date, when known.***

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/hers/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

- 1) Yi-Tae KIM 9/ December / 2008
Yi-Tae KIM
- 2) Sang-Il JUNG 9/ December / 2008
Sang-Il JUNG
- 3) Yun-Ho JANG 2008. 12. 11
Yun-Ho JANG
- 4) Kyung-Ho LEE 9/ December / 2008
Kyung-Ho LEE
- 5) Sae-Young KIM 9/ December / 2008
Sae-Young KIM

U.S. PATENT AND TRADEMARK OFFICE

