PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Gang-Youl KIM | 07/22/2009 |

RECEIVING PARTY DATA

| Name: | Samsung Electronics Co., Ltd |
|-----------------|-------------------------------|
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| City: | Suwon-si, Gyeonggi-do |
| State/Country: | REPUBLIC OF KOREA |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12507250 |

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Total Attachments: 1

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PATENT REEL: 022988 FRAME: 0925

Docket No.: P17092

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, 442-742 Republic of Korea

RECORDED: 07/22/2009

(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

APPARATUS AND METHOD FOR REMOVING NOISE

| relating to International Patent Application PCT / and/or for which application for Letters Patent of the United 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 Stanzione & Kim, LLP, 919 18 th Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified data, when known.*** | | |
| and to said application and all Letters patent(s) of the United States granted on said application and any continuation, division, rene 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)"). | | | |
| ASSIGNEE, to do all acts which the ASSIGNEE in maintaining and enforcing protection for said inver application(s) and the issuance of said Letters Pater proceeding, and in any litigation or other legal proceeding. | ASSIGNEE and without charge to but at the expense of said may deem necessary, desirable or expedient, for securing, action, including in the preparation and prosecution of said int(s), in any interference, reissue, reexamination, or public use ceeding which may arise or be declared in relation to same, such acts including separate assignments and declarations, taking all rightful and producing evidence. | | |
| IN WITNESS WHEREOF, the undersigned invent | or(s) has (have) affixed his/her/their signature(s). | | |
| (Typed Name & Signature of Inventor(s)) | (Date) | | |
| 1) GANG YAND LIM 2 Gang-Youl KIM | 009,09,22 | | |

PATENT REEL: 022988 FRAME: 0926