| \$     | ♣,            | 01-16-2007  |  |  |  |  |
|--------|---------------|---|--|--|--|--|
| 1.9.07 |               | FORM PTO-1595 TU.S. DEPARTMENT OF COMMERCE  |  |  |  |  |
|        |               | To the Director of the U.S. Patent and 103361562  |  |  |  |  |
|        | 1.            | Name of conveying party(ies):<br>Eung-sik YOON<br>Sung-han LEE<br>Yong-jin KANG   |  |  |  |  |
|        | 2.            | Name and Address of receiving party(ies):<br>SAMSUNG ELECTRONICS CO., LTD.<br>416, Maetan-dong, Yeongtong-gu,<br>Suwon-si, Gyeonggi-do<br>Republic of Korea   |  |  |  |  |
|        | 3.            | X       Assignment       Merger          Security Agreement       Change of Name          Other:          Execution Date(s):       January 8, 2007  |  |  |  |  |
|        | 4.            | Application number(s) or patent number(s):<br>This document is being filed together with a new application:<br>(a) The execution date(s) of the application is/are: January 8, 2007<br>(b) The title is: METHOD AND APPRATUS FOR EXPANDING WIRELES REAR SPEAKER<br>IN HOME THEATER SYSTEM<br>OR |  |  |  |  |
|        |               | <ul> <li>This document is being filed after filing of the application:</li> <li>(a) Patent Application No(s). <u>Not yet assigned</u>, filed <u>January 9, 2007</u>; or</li> <li>(b) Patent No(s). , issued .</li> </ul>  |  |  |  |  |
|        | 5.            | Name and address of party to whom correspondence concerning document should be mailed:<br>STEIN, MCEWEN & BUI, LLP Our Docket: <u>0001.1305</u><br>Attention: <u>Michael D. Stein</u><br>1400 Eye St., N.W., Suite 300<br>Washington, D.C. 20005  |  |  |  |  |
|        | 6.            | Total number of applications and patents involved: <u>1</u>   |  |  |  |  |
|        | 7.            | Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment)<br>Enclosed<br>Authorized to be charged to Deposit Account No. 503333.   |  |  |  |  |
| 01/10. | 8.<br>/2007 M | Deposit Account No. 503333: (Any underpayment is authorized to be charged to this Deposit<br>Account) (Attach duplicate copy of this page if paying by deposit account)<br>WOLDGE1 00000014 11650943  |  |  |  |  |
| 06 FC  |               | 40.00 DP  |  |  |  |  |
|        |               | ael D. Stein, Reg. No. 37,240<br>e of Person Signing Signature Date   |  |  |  |  |
|        |               | Total number of pages including cover sheet: 2<br>DO NOT USE THIS SPACE   |  |  |  |  |
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PATENT REEL: 018780 FRAME: 0071

## U.S. ASSIGNMENT

SMB 12/04

IN CONSIDERATION of the sum of One Dofter (\$1.00), and of other good and valuable consideration paid to the undersigned inventor (horoinaliter, "ASSIGNOR") by

(Insurt Name & Address of ASSIGNEE)

SAMSUNG ELECTRONICS CO., LTD. 416, Mastan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby scknowledged, the undersigned ASSIGNOR hereby edis, essigns and transfere to ASSIGNEE the entire and exclusive right, this and interest to the invention entitled (*The of Invention*)

## METHOD AND APPARATUS FOR EXPANDING WIRELES REAR SPEAKER IN HOME THEATER SYSTEM

relating to international Patent Application PCT/JP\_\_\_\_\_\_ 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 ; 8 January 2007                 | (insert date of execution of application, ¥ not concurrent)   |
|--|---|
| (b) - filed on ,<br>Barial No. Not yet zeolgned; | Any registered efforces of STEIN, MCEWEN & BUI, ILP, 1400 Eye<br>SL, N.W., Suite 300, Weshington, D.C. 20005 (202/218-9505) is<br>hereby sutherized to insert in (b) the specified data, when impound |
|  |   |

and to said application and all Letters Patent(s) of the United States granted on sold application and any continuation, division, renewal, substitute, release or recremination application based thereon, for the full terms 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 egrave), when nequested by said ASSIGNEE and without change to but at the expense of said ASSIGNEE, to the slit acts which the ASSIGNEE may dearn necessary, desirable or expedient, for eccuring, maintaining and enforcing protection for said invantion, including in the preparation and proceeding, and in any infantements of said Letters Patent(s), in any interference, relation, reductmination, or public use proceeding, and in any infantement in any infantement, including which may arise or be declared in relation to earns, usch acits to include but not but initiate to executing all papers, including separate assignments and declarations, taking all rightful earls, providing awarn testimony, and obtaining and producing endernee.

IN WITNESS WHEREOF, the undersigned inventor(s) hts. (have) affixed his/her/their eignature(s). (Typed Name & Signature of Inventor(s)) (Date) (Typed Name

| (Typed Name & Signature of Inventor(s)) |                            | (Date)                  | (Typed Name & Signature of Witness(es)) |
|---|----------------------------|-------------------------|---|
| 12.                                     | E.S. YOUN<br>Eurgenik YOON | - 8-January-2007        |   |
| 2)                                      | Sump-han LEE               | 8_ <u>January 200</u> 7 |   |
| 3)                                      | Yong Jin Kang              | 8 <u>January 200</u> 7  |   |
|   | V                          |                         |   |
| 5),                                     |                            |                         | ······································  |
| 6)                                      |                            |                         |   |
| 7).                                     |                            |                         |   |
|   |                            |                         |   |

PATENT REEL: 018780 FRAME: 0072

**RECORDED: 01/09/2007**