U.S.	РТО
11/89	6109
08/29	/200

09-07-2007

U.S. DEPARTMENT OF COMMERCE

FORM PTO-1595

103442733

e2005 Steas & Halsey LLP To the Director of the U.S. Patent and Tra. 1. Name of conveying party(ies): Jung-ho KIM Young-tae KIM Sang-chul KO Sang-wook KIM 2. Name and Address of receiving party(ies) SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date(s): August 22, 2007 4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application. OR ☐ This document is being filed after filing of the application: Patent Application No(s)., filed; or (a) Patent No(s)., issued. (b) Name and address of party to whom correspondence concerning document should be mailed: 5. Our Docket: 1901.1215 STAAS & HALSEY LLP Attention: Gene M. Garner, Il 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005 Total number of applications and patents involved: \_\_1 6. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment) 7. **Enclosed**  $\boxtimes$ Authorized to be charged to deposit account. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit 8. Account) (Attach duplicate copy of this page if paying by deposit/account August 29, 2007 Gene M. Garner, II, Reg. No. 34,172 Signature Name of Person Signing Total number of pages including cover sheet: 2 DO NOT USE THIS SPACE

08/30/2007 SZEWDIE1 08000029 11896109 49.09 OP 97 FC:8921

PATENT

REEL: 019798 FRAME: 0630

## **U.S. ASSIGNMENT**

La% 1/06

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(a) (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 (Title of Invention)

METHOD AND APARATUS FOR AUDIO BASS ENHANCEMENT USING STEREO SPEAKERS				
relating to international Patent Applicational executed on even date herewith or,	n PCT/JP/and/or for which application for Letters Patent of the United States If not so executed, was:			
(a) executed on ;	(Insert date of execution of application, if not concurrent)			
(b) filed on ,	Any registered attorney of STAAS & HALSEY UP, 1201 New York			
Serial No.;	Averus, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) 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, 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, matriaining 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, release, reexamination, or public use proceeding, and in any integration or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to excuting all papers, including separate assignments and declarations, taking all rightful eaths, providing swom testimony, and obtaining and producing evidence.

	N WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	ventor(s) has (have) affixed his/her, (Date)	Their signature(s). (Typed Name & Signature of Witness(es))
1)_	River	22/August/2007	
2)	Sarg-chul Ko	22/August/2007	
3) _	7 Just M Young-tae Kim	22/August/2007	
4) _	Sang-Wook Kim	22/August/2007	
5) _			

PATENT REEL: 019798 FRAME: 0631

**RECORDED: 08/29/2007**