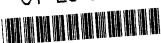
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	OF COMMERCE

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	taas & Halsey LLP . CILIN 13 UNLY	
1.	Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.  Name of conveying party(ies): Dohyung KIM Sangwook KIM Ennmi OH Junghoe KIM Yangseock SEO	J.S. PTO 3733
2.	Shihwa LEE  Name and Address of receiving party(ies):	112967 U.S. PTG 11/033733
	SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea	
3.	Nature of conveyance:  X Assignment Merger  Security Agreement Change of Name Other:  Execution Date(s): January 12, 2005	
4.	Application number(s) or patent number(s):  ☐ This document is being filed together with a new application:  (a) The execution date(s) of the application is/are: January 12, 2005  (b) The title is:METHOD AND APPARATUS FOR CONVERTING AUDIO DATA OR  ☐ This document is being filed after filing of the application:  (a) Patent Application No(s)/, filed; or  (b) Patent No(s), issued	
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1793.1626 Attention: Stephen T. Boughner 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005	
6.	Total number of applications and patents involved:1	
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Assignment)  X Enclosed Authorized to be charged to deposit account.	
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Acc (Attach duplicate copy of this page if paying by deposit account)	ount)
9.	Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attach copy is a true copy of the original document.	ned
Name	en T. Boughner, Reg. No. 45,317 of Person Signing Date Date	
AC TON T	THAN AAAAAA 1 14A 22722 \	

**PATENT** 

**REEL: 016160 FRAME: 0146** 

## 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

(Insort Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-sl, Gyeonggi-do Republic of Korea

**RECORDED: 01/13/2005** 

(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, MEDIUM, AND APPARA	ATUS FOR CONVERTING AUDIO DATA
relating to international Patent Application PCT/JP_ was executed on even date herewith or, if not so ex	and/or-for which application for Letters Patent of the United States xecuted, was:
(a) executed on ;	(insert date of execution of application, if not concurrent)
(b) filed on , Serial No. :	Any registered attorney of STAAS & HALSEY U.P., 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202434-1500) is hereby authorized to insert in (b) the specified data, when known.
- I - Mr. A I	he United States granted on sold application and any continuation, division, renewal, ead thereon, for the full term or terms for which the sold Letters Patent(s) may be actively, hereinafter, "sold application(s) and Letters Patent(s)").
The ASSIGNOR agree(s), when requests to do all acts which the ASSIGNEE may deem neces said invention, including in the preparation and prointenterance, reissue, reexamination, or public use declarations, taking all rightful oaths, providing swood to with the same and the same a	ed by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, assery, desirable or expedient, for securing, maintaining and enforcing protection for securitor of said application(s) and the Issuance of said Letters Patent(s). In any proceeding, and in any litigation or other legal proceeding which may arise or be out not be limited to executing all papers, including separate assignments and orm testimony, and obtaining and producing evidence.  enter(s) has (have) affixed his/her/their signature(s).  (Date) (Typed Name & Signature of Witness(es))
(Typed Name & Signature of Inventor(s))	(Date) (Types Name & Cignates 4. Visitality
1) Dohyung KIM	January 12, 2005
2) Sangwook KIM	January 12, 2005
3) Ennml OH	January 12, 2005
4) Junghoe KIM	January 12, 2005
5) Yangseack SEO	- January 12, 2005
6) Shihwa LEE	January 12, 2005

PATENT REEL: 016160 FRAME: 0147