U.S. PTO 12/926198

	FORM PYO-1595	RECORDATION FORM COVER THE	U.S. DEPARTMENT OF COMMERCE	
	11-1-10 02005 Stass & Halisey LLP	11-09-2010	o di da animeni di Commence	
	To the Director of the U.S. Patent and Trader		1.	
1.	Name of conveying party(ies):	103611003		
	1) Kang Eun LEE 2) Do Hyung KIM			
2.	Name and Address of receiving party	/(ies):		
	SAMSUNG ELECTRONICS CO., LT 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742 Republic of Korea	D.		
3.	Nature of conveyance:  X Assignment Security Agreement Other: Execution Date(s): 1) - 2) October 2	Merger Change of Name 6, 2010		
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:  (a) Patent Application No(s)., filed; or  (b) Patent No(s)., issued.			
5.	Name and address of party to whom of STAAS & HALSEY LLP Attention: John C. Garvey 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005	correspondence concerning document sh Our Docket: 1911.1343	nould be mailed:	
6.	Total number of applications and patents involved:1			
7.	Total fee (37 CFR 3.41)			
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)			
	C. Garvey, Reg. No. 28,607 of Person Signing	Signature  Total number of pages  DO NOT USE THIS SPACE	November 1, 2010 Date sincluding cover sheet: 2	

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**REEL: 025304 FRAME: 0952** 

## **U.S. ASSIGNMENT**

SAU UMO

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 443-742 Republic of Korea

**RECORDED: 11/01/2010** 

•					
(hereinafter, "ASSIGNEE"), the receipt of which is hereb ransfers to ASSIGNEE the entire and exclusive right, tit (Title of Invention)	r acknowledged, the undersigned At and interest to the invention entitle	SSIGNOR hereby sells, assigns and d			
APPARATUS, METHOD AND COMPUT DIRECTION VIRTUAL CHANNE	ER-READABLE MEDIUM	PRODUCING VERTICAL			
elating to international Patent Application PCT/JP	and/or for which applicat	ion for Letters Patent of the United States			
(a) executed on: October 26,2010	(Insert date of execution of appl	lication, if not concurrent)			
(b) filed on ,  Serial No. To Be Assigned;	Avenue, N.W., Suite 700 Washii	AS & HALSEY LLP, 1201 New York ngton, D.C. 20005 (202/434-1500) is ) 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, o 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 lectared 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 (Typed Name & Signature of Inventor(s))		nature(s). nd Name & Signature of Witness(es))			
) Affilia	26/10/2010				
Do-Houde Kim	26/10/2010				
DO-TYURG KIM					

**PATENT** REEL: 025304 FRAME: 0953