	U.S. PTO			
-	12/081597			
.,.	<u>3</u> 04/17/2008			
、 [FORM PTO-1595	04-29-2008	U.S. DEPARTMENT OF COMMERCE	
(B)	@2005 Steas & Halsey LLP		·	
L	To the Director of the U.S. Patent and Tra	103499513	nent.	
1.	Name of conveying party(ies): Ho-sang SUNG Thomas R. FISCHER	100400010		
2.	Name and Address of receiving pa SAMSUNG ELECTRONICS CO., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea	LTD.		
3.	Nature of conveyance:			
	X Assignment	Merger		
	Security Agreement	Change of Name		
	Other:			
	Execution Date(s): April 16, 2008	and April 14, 2008		
4.	Application number(s) or patent number(s): ☑ This document is being filed together with a new application. OR			
	☐ This document is being filed at	fter filing of the application:		
	(a) Patent Application No(s).,			
	(b) Patent No(s). , issued .			
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1901.1297 Attention: Gene M. Garner, II 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005			
	T-A-1 1 1 1 1			
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) ☐ Enclosed ☐ Authorized to be charged to deposit account.			
_				
8.	8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Depo			
	Account) (Attach duplicate copy of this page	e if paying by deposit account)		
Gene	M. Garner, II, Reg. No. 34,172	/ K/W/	April 17, 2008	
Name of Person Signing Signature Date				
	• •	2 .Q		

04/18/2008 SZEWDIE1 00000128 12081597

86 FC:8821

Total number of pages including cover sheet: 2

49.89 OP

REEL: 020888 FRAME: 0813

U.S. PTO 12/081597 04/17/2008

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(ss) of ASSIGNEE(S))

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

RECORDED: 04/17/2008

(hereinsfier, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undereigned ASSIGNOR hereby cells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention critical

Title of invention)				
METHOD, MEDIUM AND APPARATUS I QUANTIZATION ENCODING AND DE-Q	FOR LUANTIZATION DECODING USING TRELLIS			
elating to international Patent Application PCT/JP				
(a) executed on ;	(insert date of execution of application, if not concurrent)			
(Þ) filed om , Berlai No. ;	Any registered atterney of STAAS & HALSEY LP. 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 2000\$ (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.			
and to said application and all Lettors Patent(e) of the United States granted on sold application and any continuation, division, renewal, substitute, release or researchination application based thereon, for the full term or terms for which the said Letters Patent(e) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(e)"). The ASSIGNOR agree(e), when requested by said ASSIGNEE and without charge to but at the expanse of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said normalism, including in the proparation and prosecution of said application(s) and the issuence of said Letters Patent(e), in any interference, researching in the proparation and prosecution of said application or other legal prospeding which may arise or be deciated in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and deciatedoms, taking all rightful asthe, providing awarn testimony, and obtaining and producing evidence.				
IN WITNESS WHEREOF, the undereigned inventor(s) (Typed Name & Signature of Inventor(s))	s) has (have) affixed his/her/thair algorature(s). (Date) (Typed Name & Signature of Witness(es))			
Ho-sang SUNG	Apr 16. word			
Thomas R. FISCHER	1pril 17,2008			

PATENT

REEL: 020888 FRAME: 0814