O100490 U.S. DEPARTMENT OF COMMERCE RECORDATION FORM COVER SHEET MODIFIED Form PTO-1595 U.S. Patent and Trademark Office (Rev. 10/02) PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): SAMSUNG ELECTRONICS CO., LTD. Jung-kil PARK 416. Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: ☐ Assignment □ Merger Security Agreement Change of Name Correcting assignee's address ☑ Other ☑ No Additional name(s) & address(es) attached? 🔲 Yes Execution Date: February 5, 2007 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 11/723,002 ☐ Yes ☑ No Additional numbers attached? 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: \$40.00 7. Total fee (37 CFR 3.41): SUGHRUE MION, PLLC ☐ Enclosed. WASHINGTON OFFICE ☑ Authorized to be charged to Deposit Account No. 19-4880. 23373 The USPTO is directed and authorized to charge all required CUSTOMER NUMBER fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. 8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. April 25, 2007 /Christopher R. Lipp/ Reg. No. 41,157 Christopher R. Lipp

Total number of pages including cover sheet, attachments, and documents:

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Modified Form PTO-1595 (Rev. 07/05)	03-22-2007	2007 COMMERCE U.S. Patent and Trademark Office	
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To the Director of the U.S. Patent and 119999	103386026	oments the new address(es) below.	
1. Name of conveying party(les):	2. Name and address of re	celving party(les):	
Jung-kil PARK	SAMSUNG ELECTRONICS	SAMSUNG ELECTRONICS CO., LTD.	
aung-ran i Aran	416 Mactan-dong, Ye	eongtong-gu,	티었고
	Suwon-si Gyeonnggi	-do,	တစ္က
Additional name(s) of conveying party(ies) attached?	res ☑ No Republic of Korea		28
3. Nature of conveyance/Execution Data(a):			38 17
Execution Date(s): February 5, 2007			±2 <u>+</u>
☑ Assignment ☐ Merger			[
☐ Security Agreement ☐ Change of Name			
☐ Joint Research Agreement			
☐ Government Interest Assignment			
☐ Executive Order 9424, Confirmatory License		ss/as\attached? ☐ Yes ☑ N	
☐ Other	Additional name(s) & addres		·
4. Application number(s) or patent number(s):	☑ This document is being filed to	gether with a new application	
A. Patent Application No.(s)	B. Patent No.(\$)		
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Additional numbers attached? Yes No	nce 6 Total number of applic	ations and patents involved:	_
Name and address of party to whom corresponde concerning document should be malled:	1		
SUGHRUE MION, PLLC		7. Total fee (37 CFR 1.21(h) & 3.41): \$40.00	
WASHINGTON OFFICE	 Authorized to be charged 	[] Authorized to be charged by credit card	
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23373	2 Enclosed.		
CUSTOMBE NUMBER	☐ None required (gavernin	ent interest not affecting title)	
	8. Daposit Account Num		
	(Attach duplicate copy of th	is page if paying by deposit account)	
9. Signatura:			
		March 15, 2007	
/darrylmexic/	eg. No. 23,063	Date	
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> PATENT REEL: 019216 FRAME: 0965

Docket No. Q100490 For Non-U.S. Clients

Assignment

Whereas, I/We, Jung-kil PARK of Suwon-si, Republic of Korea, hereinafter called				
assignor(s), have invented certain improvements in METHOD OF TUNING ACCORDING				
TO VARYING LENGTH OF KEY INPUT AND BROADCAST RECEIVING				
APPARATUS USING THE SAME and executed an application for Letters Patent of the				
United States of America therefor on; and				
Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu,				
Suwon-si, Gyeonggi-do, Korea, Republic of Korea (assignee), desires to acquire the entire				
right, title, and interest in the application and invention, and to any United States patents to be				
obtained therefor;				
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,				
I/We, the above named assignor(s), hereby sell, assign and transfer to the above				
named assignee, its successors and assigns, the entire right, title and interest in the application				
and the invention disclosed therein for the United States of America, including the right to				
claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and				
Trademark Office to issue any Letters Patent granted upon the invention set forth in the				
application to the assignee, its successors and assigns; and I/we will execute without further				
consideration all papers deemed necessary by the assignee in connection with the United				
States application when called upon to do so by the assignee.				
I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100				
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses				
(Application number and Confirmation number,				
filed) the application number and filing date of said application				
when known.				
Date: Jungkil Park 2007/2/5				
s/Jung-kil PARK				

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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RECORDED: 04/25/2007