PATENT ASSIGNMENT

Electronic Version v1.1

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		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	′ DATA			
		Name	Execution Date	
Han-Gil MOON		12/10/2012		
Chul-Woo LEE 12/10/2012				
RECEIVING PARTY	DATA			
Name: Samsung Electronics Co., Ltd.				
Street Address:	129, Samsung-r	ro, Yeongtong-gu,		
Internal Address:	Gyeonggi-do			
City:	Suwon-si			
State/Country:	KOREA, REPUE	3LIC OF		
Postal Code:	443-742			
Application Number:	1;	3638820		
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CORRESPONDENC				
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Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent via US Mail 202-293-70 sughrue@s SUGHRUE 2100 PENI SUITE 800 WASHING	I when the fax attempt is unsuccessful 060 sughrue.com E MION, PLLC NSYLVANIA AVENUE, N.W. 0 GTON, DISTRICT OF COLUMBIA 200 Q142782 Jeffrey Heller - Teams Dept.		

Assignment

Whereas, We, Han-Gil MOON of Seoul, Republic of Korea; and Chul-Woo LEE of Anyang-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR DOWN-MIXING MULTI-CHANNEL AUDIO and executed an application for Letters Patent of the United States of America therefor on ______; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, 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,

We, the above named assignors, 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 all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and 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 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.

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 13/638,820 and Confirmation number 1924, filed October 1, 2012) the application number, confirmation number and filing date of said application when known.

Date:	Han-gtl Moon	December 10, 2012	
GRAMERICERFERIOUP*7	s/Han-Gil MOON		
Date:	chul-woo Lee	December 10, 2012	
	s/Chul-Woo LEE		

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