

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jung-min CHOI</td> <td>07/24/2012</td> </tr> <tr> <td>Jae-yong CHO</td> <td>07/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jung-min CHOI	07/24/2012	Jae-yong CHO	07/24/2012		
Name	Execution Date								
Jung-min CHOI	07/24/2012								
Jae-yong CHO	07/24/2012								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu, Gyeonggi-do</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	129, Samsung-ro, Yeongtong-gu, Gyeonggi-do	City:	Suwon-si	State/Country:	KOREA, REPUBLIC OF
Name:	Samsung Electronics Co., Ltd.								
Street Address:	129, Samsung-ro, Yeongtong-gu, Gyeonggi-do								
City:	Suwon-si								
State/Country:	KOREA, REPUBLIC OF								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13561798</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13561798				
Property Type	Number								
Application Number:	13561798								
CORRESPONDENCE DATA									
<p>Fax Number: 2022937860</p> <p>Email: sughrue@sughrue.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Sughrue Mion, PLLC</p> <p>Address Line 1: 2100 Pennsylvania Avenue NW, Suite 800</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20037</p>									
ATTORNEY DOCKET NUMBER:	Q127731								
NAME OF SUBMITTER:	William Driscoll; Teams Dept. Specialist								
<p>Total Attachments: 1</p> <p>source=Assignment_executed#page1.tif</p>									

OP \$40.00 13561798

## Assignment

Whereas, We, Jung-min CHOI of Hwaseong-si, Republic of Korea; and Jae-yong CHO of Bucheon-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in AUDIO SIGNAL PROCESSING METHOD AND AUDIO SIGNAL PROCESSING APPARATUS THEREFOR 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, 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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date:

*Jung-min Choi*

July 24, 2012

s/Jung-min CHOI

Date:

*Jaeyong Cho*

July 24, 2012

s/Jae-yong CHO

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