

## 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>Lee M. GARTH</td><td>10/03/2007</td></tr><tr><td>Eung Sun KIM</td><td>10/03/2007</td></tr></tbody></table>	Name	Execution Date	Lee M. GARTH	10/03/2007	Eung Sun KIM	10/03/2007	
Name	Execution Date						
Lee M. GARTH	10/03/2007						
Eung Sun KIM	10/03/2007						
RECEIVING PARTY DATA							
Name:	SAMSUNG ELECTRONICS CO., LTD.						
Street Address:	416 Maetan-dong, Yeongtong-gu						
Internal Address:	Suwon-si						
City:	Gyeonggi-do						
State/Country:	REPUBLIC OF KOREA						
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>11851760</td></tr></tbody></table>	Property Type	Number	Application Number:	11851760			
Property Type	Number						
Application Number:	11851760						
CORRESPONDENCE DATA							
Fax Number:	(202)293-7860						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	202-293-7060						
Email:	SUGHRUE@SUGHRUE.COM						
Correspondent Name:	SUGHRUE MION, PLLC						
Address Line 1:	2100 PENNSYLVANIA AVENUE, N.W.						
Address Line 2:	SUITE 800						
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037						
ATTORNEY DOCKET NUMBER:	Q103709						
NAME OF SUBMITTER:	S. Stuart Lee						
Total Attachments: 1 source=ASSIGNMENT_EXECUTED_FILED_11-20-2007#page1.tif							

CH \$40.00 11851760

500403062

PATENT  
REEL: 020139 FRAME: 0857

## Assignment

Whereas, We, Lee M. GARTH and Eung Sun KIM of Christchurch, New Zealand and Suwon-si, Republic of Korea, respectively, hereinafter called assignor, have invented certain improvements in FAST ADAPTIVE TIME DOMAIN HYBRID EQUALIZER FOR TIME REVERSAL-SPACE TIME BLOCK CODE SYSTEM 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, 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 assignor, 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 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 11/851,760 and Confirmation number \_\_\_\_\_, filed September 7, 2007) the application number and filing date of said application when known.

Date: 3 October 2007 Lee M. Garth  
s/ Lee M. GARTH

Date: October 3, 2007 Eung Sun Kim  
s/ Eung Sun KIM

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

PATENT