

## PATENT ASSIGNMENT

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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>Pil-seung YANG</td><td>01/06/2009</td></tr><tr><td>Bo-hyun KYUNG</td><td>01/06/2009</td></tr></tbody></table>	Name	Execution Date	Pil-seung YANG	01/06/2009	Bo-hyun KYUNG	01/06/2009					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Samsung Electronics Co., Ltd.</td></tr><tr><td>Street Address:</td><td>416, Maetan-dong, Yeongtong-gu</td></tr><tr><td>Internal Address:</td><td>Gyeonggi-do</td></tr><tr><td>City:</td><td>Suwon-si</td></tr><tr><td>State/Country:</td><td>REPUBLIC OF KOREA</td></tr></table>	Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu	Internal Address:	Gyeonggi-do	City:	Suwon-si	State/Country:	REPUBLIC OF KOREA	
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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>12398325</td></tr></tbody></table>	Property Type	Number	Application Number:	12398325							
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Application Number:	12398325										
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: MABRAMS@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:	Q110700										
NAME OF SUBMITTER:	Christopher R. Lipp										
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PATENT  
REEL: 022349 FRAME: 0150

## Assignment


Whereas, We, Pil-seung YANG and Bo-hyun KYUNG of Seoul, Republic of Korea, and Yongin-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in METHOD AND APPARATUS FOR COMMUNICATING USING EXPANSION OF COMMUNICATION RANGE and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

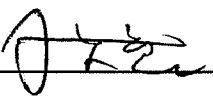
Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named 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: Jan. 6. 2009   
\_\_\_\_\_  
s/Pil-seung YANG

Date: Jan. 6. 2009   
\_\_\_\_\_  
s/Bo-hyun KYUNG

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