

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Yongxing ZHOU	06/24/2009
Sung Jin KIM	06/24/2009
<b>RECEIVING PARTY DATA</b>	
Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742
City:	Suwon-si
State/Country:	REPUBLIC OF KOREA
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12490580
<b>CORRESPONDENCE DATA</b>	
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Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005
ATTORNEY DOCKET NUMBER:	12000.SMG.0584
NAME OF SUBMITTER:	Charles Y. Park
Total Attachments: 3 source=12000SMG0584Assignment#page1.tif source=12000SMG0584Assignment#page2.tif source=12000SMG0584Assignment#page3.tif	

OP \$40.00 12490580

## ASSIGNMENT

For valuable consideration, We,

- (1) Name: **Yongxing ZHOU**  
Address: Mt. 14-1, Nongseo-dong, Giheung-gu,  
Yongin-si, Gyeonggi-do 446-712, Republic of Korea  
Nationality: People's Republic of China
- (2) Name: **Sung Jin KIM**  
Address: 437-1901 Cheongmyeongmaeul Samsung Raemian Apt.,  
Yeongtong-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do 443-737, Republic of Korea  
Nationality: Republic of Korea

hereby assign to:

**SAMSUNG ELECTRONICS CO., LTD.**, a Republic of Korea corporation  
having principal executive offices at: 416, Maetan-dong, Yeongtong-gu, Suwon-si,  
Gyeonggi-do 443-742, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 12,490,580 filed 06/24/2009 at the U.S. Patent & Trademark Office signed by us, with title **MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATION SYSTEM AND OPERATING METHOD THEREOF**, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal this 24<sup>th</sup> day of  
June, 2009

Signature: Yongxing Zhou  
Yongxing ZHOU


City of Yongin, Gyeonggi-do

Country of Rep. of Korea

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2009, personally appeared  
known to me to be the person whose name is subscribed to the foregoing Assignment and  
acknowledged that they executed the same as his free act and deed for the purposes therein  
contained.

\_\_\_\_\_  
Witness or Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal this 24th day of June, 2009

Signature:   
Sung Jin KIM

City of Suwon, Gyeonggi-do ;

Country of Rep. of Korea ;

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2009, personally appeared known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that they executed the same as his free act and deed for the purposes therein contained.

\_\_\_\_\_  
Witness or Notary Public