

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Young-Doo KIM	07/21/2009
Chan Soo HWANG	07/21/2009
Eung Sun KIM	07/21/2009
RECEIVING PARTY DATA	
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12509864
CORRESPONDENCE DATA	
Fax Number:	(202)478-1813
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Charles Y. Park
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Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005
ATTORNEY DOCKET NUMBER:	12000.SMG.0586
NAME OF SUBMITTER:	Charles Y. Park
Total Attachments: 5 source=AssignmentSMG586#page1.tif source=AssignmentSMG586#page2.tif source=AssignmentSMG586#page3.tif	

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PATENT
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ASSIGNMENT

For valuable consideration, We,

- (1) Name: **Young-Doo KIM**
 Address: No. 404-1002 Dogok Rexie Apt., Dogok 2-dong,
 Gangnam-gu, Seoul 135-506, Republic of Korea
 Nationality: Republic of Korea

- (2) Name: **Chan Soo HWANG**
 Address: No. 394 Seocheon-dong, Giheung-gu, Yongin-si,
 Gyeonggi-do 446-906, Republic of Korea
 Nationality: Republic of Korea

- (3) Name: **Eung Sun KIM**
 Address: No. 201-904 Hwanggolmaeul Siamyeong Apt.,
 Yeongtong-dong, Yeongtong-gu, Suwon-si,
 Gyeonggi-do 443-744, Republic of Korea
 Nationality: Republic of Korea

hereby assign to:

SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea corporation

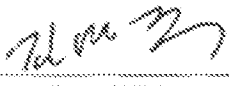
having principal executive offices at:

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 12/509,864 filed 07/27/2007 at the U.S. Patent & Trademark Office signed by us, with title COMMUNICATION SYSTEM AND METHOD OF PERFORMING INTERFERENCE CONTROL USING RANDOM BEAMFORMING TECHNIQUE, 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 21st day of
July, 2009

Signature: 
Young-Deo KIM

City of _____ :

_____ :

Country of _____ :

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 21st day of

July, 2009

Signature: _____

Chan Soo HWANG

City of _____ :

;

Country of _____ :

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 2nd day of

July, 2009

Signature: _____


Eung Sun KIM

City of _____ :

;

Country of _____ :

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