

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Chan Soo HWANG	04/09/2009
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:	12469389
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	12000.SMG.0174
NAME OF SUBMITTER:	Charles Y. Park
Total Attachments: 2 source=Assignment12000SMG0174#page1.tif source=Assignment12000SMG0174#page2.tif	

OP \$40.00 12469389

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PATENT
REEL: 022713 FRAME: 0037

ASSIGNMENT

For valuable consideration, I,

Chan Soo HWANG No. 394 Seocheon-dong, Giheung-gu, Yongin-si,
Gyeonggi-do 446-906, Republic of Korea

hereby assign to:

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

having principal executive offices at:

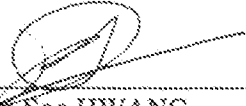
416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of
Korea; and

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 12/469,389 filed 05/20/2009 at the U.S. Patent & Trademark Office signed by us, with title **COGNITIVE RADIO COMMUNICATION SYSTEM BASED ON COOPERATION SIGNAL PROVIDED BY ANOTHER SYSTEM**, 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.

Assignment

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IN WITNESS WHEREOF, I hereto set my hand and seal this 9th day of
April, 2009

Signature:  _____

Chai Soo HWANG

City of Yongin-si :

Country of Republic 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