

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>In Sang SONG</td> <td>10/06/2010</td> </tr> <tr> <td>Duck Hwan KIM</td> <td>10/06/2010</td> </tr> <tr> <td>Chul Soo KIM</td> <td>10/06/2010</td> </tr> <tr> <td>Yun Kwon PARK</td> <td>10/06/2010</td> </tr> <tr> <td>Jae Shik SHIN</td> <td>10/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	In Sang SONG	10/06/2010	Duck Hwan KIM	10/06/2010	Chul Soo KIM	10/06/2010	Yun Kwon PARK	10/06/2010	Jae Shik SHIN	10/06/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do 443-742</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	City:	Suwon-si, Gyeonggi-do 443-742	State/Country:	REPUBLIC OF KOREA				
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CORRESPONDENCE DATA													
<p>Fax Number: (202)315-3758</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-429-0020</p> <p>Email: info@nsiplaw.com</p> <p>Correspondent Name: North Star Intellectual Property Law, PC</p> <p>Address Line 1: P.O. Box 34688</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20043</p>													
ATTORNEY DOCKET NUMBER:	12000.SMG.0731												
NAME OF SUBMITTER:	Rachael Lea Leventhal												
<p>Total Attachments: 7</p> <p>source=12000SMG0731_Assignment#page1.tif</p>													

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ASSIGNMENT

For valuable consideration, We,

- (1) Name: **In Sang SONG**
 Address: No. 103-1406, Seongwonsangttevill Apt., Jung-ri,
 Dongtan-myeon, Hwaseung-si, Gyeonggi-do 445-813
 Republic of Korea
 Nationality: Republic of Korea
- (2) Name: **Duck Hwan KIM**
 Address: No. 303-1601, Hosumaeul 3-danji Yuwon Apt., Janghang
 2-dong, Ilsandong-gu, Goyang-si, Gyeonggi-do 410-742
 Republic of Korea
 Nationality: Republic of Korea
- (3) Name: **Chul Soo KIM**
 Address: No. 206-1101, Sinchangvivafamily 2-cha, Byeongjeom-
 dong, Hwaseong-si, Gyeonggi-do 445-774
 Republic of Korea
 Nationality: Republic of Korea
- (4) Name: **Yun Kwon PARK**
 Address: No. 105-1105, Hyeonjinevervill 105-1105, Jihaeng-dong,
 Dongducheon-si, Gyeonggi-do 483-742 Republic of Korea
 Republic of Korea
 Nationality: Republic of Korea
- (5) Name: **Jea Shik SHIN**
 Address: No. 304-904, Bandalmaeul-pugugio Apt., Banwol-dong,
 Hwaseong-si, Gyeonggi-do 445-739 Republic of Korea
 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 12/837,557 filed July 16, 2010 at the U.S. Patent & Trademark
Office signed by us, with title **SYSTEM FOR TRANSMITTING/RECEIVING**
MULTI-BAND RADIO FREQUENCY SIGNAL USING DUAL INPUT, DUAL OUTPUT
FILTER, 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 6th day of
October, 2010

Signature:  _____
In Sang SONG

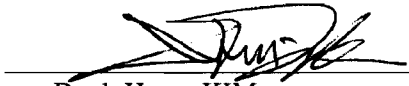
City of Hwaseung :

Country of Republic of Korea

Before me this _____ day of _____, 2010, 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 6th day of October, 2010

Signature: 
Duck Hwan KIM


City of Goyang :

Country of Republic of : Korea

Before me this _____ day of _____, 2010, 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 6th day of October, 2010

Signature: 
Chul Soo KIM


City of Hwaseong :

Country of Republic of Korea :

Before me this _____ day of _____, 2010, 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 6th day of
October, 2010

Signature: 
Yun Kwon PARK

City of Dongducheon :

Country of Republic of : Korea

Before me this _____ day of _____, 2010, 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 6th day of October, 2010

Signature: 
Jae Shik SHIN

City of Hwaseong :

Country of Republic of : Korea

Before me this _____ day of _____, 2010, 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