

PATENT ASSIGNMENT

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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>CHI SUNG BAE</td> <td>08/10/2012</td> </tr> <tr> <td>HYO SUN HWANG</td> <td>08/10/2012</td> </tr> <tr> <td>YOUNG JUN HONG</td> <td>08/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	CHI SUNG BAE	08/10/2012	HYO SUN HWANG	08/10/2012	YOUNG JUN HONG	08/10/2012
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742	City:	Suwon-si	State/Country:	KOREA, REPUBLIC OF
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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>13587964</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13587964				
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CORRESPONDENCE DATA									
<p>Fax Number: 2023153758 Phone: 202-429-0020 Email: info@nsiplaw.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: NSIP LAW Address Line 1: P.O. Box 34688 Address Line 4: Washington, DISTRICT OF COLUMBIA 20043</p>									
ATTORNEY DOCKET NUMBER:	012052.0082								
NAME OF SUBMITTER:	Loren H. Tung								
Total Attachments: 2 source=NewApp_0120520082_AssignmentExecuted#page1.tif source=NewApp_0120520082_AssignmentExecuted#page2.tif									

OP \$40.00 13587964

ASSIGNMENT

For valuable consideration, we,

CHI SUNG BAE Yongin-si, Republic of Korea

HYO SUN Seoul, Republic of Korea
HWANG

YOUNG JUN Seoul, Republic of Korea
HONG

hereby assign to:

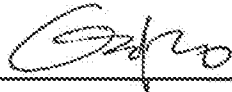
SAMSUNG ELECTRONICS CO., LTD., a Republic of Korea

corporation/institution/foundation/institute having principal executive office(s) or place
of business at: 129, Samsung-ro, 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 13/587,964 filed August 17, 2012 at the U.S. Patent & Trademark Office signed by us, with title **COMMUNICATION DEVICE FOR DETECTING COLLISION IN OPERATING FREQUENCY BAND AND ANOTHER FREQUENCY BAND, AND COMMUNICATION 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 TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

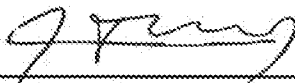
This 10 day of August, 2012


Signature: CHI SUNG BAE

This 10 day of August, 2012


Signature: HYO SUN HWANG

This 10 day of August, 2012


Signature: YOUNG JUN HONG