

## 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>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</td> <td>12/24/2012</td> </tr> <tr> <td>KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION</td> <td>12/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	12/24/2012	KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION	12/26/2012				
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CORRESPONDENCE DATA											

OP \$40.00 13129570

Fax Number: 5713275452  
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ATTORNEY DOCKET NUMBER:

BPP-2011-0400-US

NAME OF SUBMITTER:

Myung Soo Kim

Total Attachments: 1  
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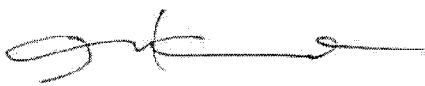
## JOINT OWNERSHIP AGREEMENT

WHEREAS KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION, a university of Republic of Korea whose post office address is 447-1, Wolgye-dong, Nowon-gu, 139-701, Republic of Korea (hereinafter referred to as "Assignor"), and UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, a university of Republic of Korea, whose post office address is 26 Kyungheedaero, Dongdaemun-gu, Seoul, 130-701, Republic of Korea (hereinafter referred to as "Assignee") would like to enter into an agreement (hereinafter referred to as the "Agreement"), and

WHEREAS the Agreement is directed to a joint and partial ownership of the following patent, U.S. Patent Application No. **13/129,570** filed on **May 16, 2011** (hereinafter referred together as the "Jointly Owned Patents"), that, prior to this Agreement, were previously owned by the Assignor and **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE** (hereinafter referred to as "Co-owner"),

NOW THEREFORE, be it known that for good and valuable consideration given by the Assignee, the receipt of which is hereby acknowledged by the Assignor, Assignor has sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns partial interest in Assignor's entire right, title, and interest in and to the Jointly Owned Patents and agrees to jointly and partially own the Jointly Owned Patents. Now **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE** owns fifty percent (50%), **KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION** owns thirty three percent (33%), and **UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY** owns seventeen percent (17%). The Assignor, Co-owner and Assignee agree to share all expenses to maintain the Jointly Owned Patents in force and enforce the Jointly Owned Patents against actual or potential infringers. If either PARTY becomes aware of potential infringement of any PATENT RIGHTS, then that PARTY will notify the other PARTY as soon as possible and the PARTIES agree to discuss and determine how best to end such infringement. If the PARTIES agree to begin an action for patent infringement, then they agree that the reasonable expenses and disbursements paid in connection with such action will be considered PATENT EXPENSES and all monies actually received as a result of the patent infringement action will be considered LICENSE REVENUE. If the PARTIES cannot agree to begin such an action, then either PARTY will have the right to prosecute the patent infringement action, and that PARTY will bear all the expense and be entitled to retain all monies received from such action.

Date: December 24, 2012

  
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[Type Representative's Name] Gil Won KIM  
[Type Representative's Title] Director  
**ELECTRONICS AND TELECOMMUNICATIONS  
RESEARCH INSTITUTE**

Date: December 26, 2012

  
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Jin Joo Choi  
President  
**KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC  
COLLABORATION FOUNDATION**