PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	12/24/2012
KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION	12/26/2012

RECEIVING PARTY DATA

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	
Street Address:	161 Gajeong-dong, Yuseong-gu	
City:	Daejeon	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	305-700	

Name:	KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION
Street Address:	447-1, Wolgye-dong, Nowon-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	139-701

Name:	UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY	
Street Address:	26 Kyungheedae-ro, Dongdaemun-gu	
City:	Seoul	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	130-701	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13129570

CORRESPONDENCE DATA

PATENT REEL: 029525 FRAME: 0800

502175219

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NAME OF SUBMITTER: Myung Soo Kim

Total Attachments: 1

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PATENT REEL: 029525 FRAME: 0801

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 Kyungheedae-ro, Dongdaemun-gu, Seoul, 130-701, Republic of Korea (hereinafter referred to as "Assignee") would like to enter into an agreement (hereinafter referred 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 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 4, 2012

[Type Representative's Name] Gil Won KIM

[Type Representative's Title] Director

ELECTRONICS AND TELECOMMUNICATIONS

RESEARCH INSTITUTE

Date: December 26 , 2012

RECORDED: 12/26/2012

Jin Joo Choi

President

KWANGWOON UNIVERSITY INDUSTRY-ACADEMIC COLLABORATION FOUNDATION

PATENT REEL: 029525 FRAME: 0802