#### 503423312 08/05/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3469946

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WOORAM SHIN	07/15/2015
CHANGHEE LEE	07/15/2015
SUNG-HYUN MOON	07/15/2015
YOUNG JO KO	07/15/2015

#### **RECEIVING PARTY DATA**

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	
Street Address:	218, GAJEONG-RO, YUSEONG-GU	
City:	DAEJEON	
State/Country:	KOREA, REPUBLIC OF	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14818418

#### CORRESPONDENCE DATA

Fax Number: (630)908-7653

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6309087652

Email: uspto.actions@wpapat.com

**Correspondent Name:** WILLIAM PARK & ASSOCIATES LTD. Address Line 1: 930 N. YORK ROAD, SUITE 201 Address Line 4: HINSDALE, ILLINOIS 60521

ATTORNEY DOCKET NUMBER:	PA2399-0
NAME OF SUBMITTER: WOOCHOON W. PARK	
SIGNATURE:	/Woochoon W. Park/
<b>DATE SIGNED:</b> 08/05/2015	
This document serves as an Oath/Declaration (37 CFR 1.63).	

#### **Total Attachments: 4**

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source=PA2399-0\_Declaration\_Assignment#page4.tif

### PR20140475US -Pan

Title of Invention	METHOD AND APPARATUS FOR D	EVICE TO DEVICE COMMUNICATION
Declaration	filed on the above-identified application was a believe that I am the original or a application.  I hereby acknowledge that any was a second control or a second contr	or or PCT international application number
Assignment	NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration. I, by these presents do sell, assign and transfer unto said assignee(s)  ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE  218 Gajeong-ro, Yuseong-gu, Daejeon, 305-700, Republic of Korea  and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.  I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.  If urther covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said appli	
	Inventor Name:	Wooram Shin
Legal Name Of Inventor	Inventor Signature:	
	Date:	July 15, 2015

A total of 1 supplemental sheet(s) are attached hereto for additional inventors, if any.

PR20140475US -Pan

Title of Invention	METHOD AND APPARATUS FOR D	EVICE TO DEVICE COMMUNICATION
Declaration	filed o The above-identified application wa I believe that I am the original or a application. I hereby acknowledge that any v	•
	is acknowledge, and other good and assign and transfer unto said assigne	on of the sum of one dollar (\$1), the receipt whereof valuable consideration, I, by these presents do sell, e(s)  MMUNICATIONS RESEARCH INSTITUTE
Assignment	218 Gajeong-ro, Yuseong-gu, Daejeon, 305-700, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.	
	I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original continuation, divisional or reissue, or other papers that may be necessary.  I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.	
	I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.	
	Inventor Name :	Changhee Lee
Legal Name Of Inventor	Inventor Signature:	
	Date:	July 15, 2015

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PR20140475US -Pan

Title of Invention	METHOD AND APPARATUS FOR D	EVICE TO DEVICE COMMUNICATION
Declaration	filed on the above-identified application was a believe that I am the original or a application.  I hereby acknowledge that any was application.	r or PCT international application number
Assignment	is acknowledge, and other good and assign and transfer unto said assigne ELECTRONICS AND TELECO	MMUNICATIONS RESEARCH INSTITUTE
	218 Gajeong-ro, Yuseong-gu, Daejeon, 305-700, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.	
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	Inventor Name :	Sung-Hyun Moon
Legal Name Of Inventor	Inventor Signature:	CCC
	Date:	July 15, 2015

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PR20140475US -Pan

As the below named inventor(s). I hereby declare that: The declaration is directed to:  The attached application or PCT international application number filed on filed on filed on filed on filed on the above-identified application was made or authorized to be made by me.  I betieve that I am the original or an original joint inventor of a claimed invention in the application.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.  NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I, by these presents do sell, assign and transfer unto said assignee(s)  ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE  218 Gajeong-ro, Yuseong-gu, Daejeon, 305-700, Republic of Korea and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title, and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney. Assignment, application, whether original, continua	Title of Invention	METHOD AND APPARATUS FOR DEVICE TO DEVICE COMMUNICATION		
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and the heirs, successors, assigns and legal representatives of the assignee(s) the full and exclusive right to the said invention in the United States and in its territorial possessions and in any and all foreign countries any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee(s), of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.  I agree promptly upon request of the assignee(s), its heirs, successors, assigns and legal representatives of the assignee(s) to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary.  I hereby covenant that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.  I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or afficiavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.  Invent		<b>{</b>		
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Legal Name Of Inventor Inventor Signature:		be made or entered into which would conflict with this assignment and sale.  I further covenant that assignee(s) will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any litigation related thereto and will promptly execute and deliver to assignee(s) or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes		
Of Inventor Inventor Signature:		Inventor Name :	Young Jo Ko	
Date: July 15, 2015		Inventor Signature:		
		Date:	July 15, 2015	

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PATENT REEL: 036254 FRAME: 0249

**RECORDED: 08/05/2015**