502726738 03/18/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2773344

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAE JOON PARK	03/03/2014
KEUN HYUNG LEE	02/28/2014
YONG SUN KIM	02/28/2014
WUN-CHEOL JEONG	02/28/2014
CHANG SUB SHIN	03/03/2014
JUDERK PARK	03/03/2014
EUN-HEE KIM	03/03/2014
HOYONG KANG	02/28/2014
CHEOL SIG PYO	03/03/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14217994

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 via

US Mail.

Phone: 6309087652

Email: uspto.actions@wpapat.com

Correspondent Name: WILLIAM PARK & ASSOCIATES PATENT LTD.

Address Line 1: 930 N. YORK ROAD, SUITE 201
Address Line 4: HINSDALE, ILLINOIS 60521

ATTORNEY DOCKET NUMBER:	PA1628-0
NAME OF SUBMITTER:	WOOCHOON W. PARK
SIGNATURE:	/Woochoon W. Park/
DATE SIGNED:	03/18/2014
	PAICNI

502726738 REEL: 032464 FRAME: 0492

	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 9		
source=PA1628-0_Declaration_Assignment#page1.tif		
source=PA1628-0_Declaration_Assignment#page2.tif		
source=PA1628-0_Declaration_Assignment#page3.tif		
source=PA1628-0_Declaration_Assignment#page4.tif		
source=PA1628-0_Declaration_Assignment#page5.tif		
source=PA1628-0_Declaration_Assignment#page6.tif		
source=PA1628-0_Declaration_Assignment#page7.tif		
source=PA1628-0_Declaration_Assignment#page8.tif		

source=PA1628-0_Declaration_Assignment#page9.tif

PATENT REEL: 032464 FRAME: 0493

IP20130132 -Pan

Title of Invention	WIRELESS COMMUNICATION DEV	ICE USING COMMON CONTROL CHANNEL AND THOD USING THE SAME
Declaration	flied of The above-identified application was believe that I am the original or a application. I hereby acknowledge that any	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. 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 representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said applic	
Legal Name Of Inventor	Inventor Name (First Middle LAST): Inventor Signature:	Park, Tae Joon
	Date;	March 3, 2014

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

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME		
Declaration	filed on the above-identified application wanged to the properties of the properties	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. 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		
	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.		
Logal Name	Inventor Name (First Middle LAST):	Lee, Keun Hyung	
Legal Name Of Inventor	Inventor Signature;	JAK	
	Date:	Feb. 28. 2016	

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME	
Declaration	As the below named inventor(s), I hereby declare that: The declaration is directed to: The attached application, or United States application or PCT international application number filed on The above-identified application was made or authorized to be made by me. I believe 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.	
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. 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 (First Middle LAST): KIM, Yong Sun	
Legal Name Of Inventor	Inventor Signature: 76 1/2 / / / / / / / / / / / / / / / / / /	
	Date: Fieb. 22, 2014	

Title of Invention	WIRELESS COMMUNICATION DEV WIRELESS COMMUNICATION MET	ICE USING COMMON CONTROL CHANNEL AND HOD USING THE SAME	
Declaration	The above-identified application was I believe that I am the original or a application. I hereby acknowledge that any versions.		
	is acknowledge, and other good and assign and transfer unto said assigne	• •	
	ELECTRONICS AND TELECOMMUNICATIONS 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.		
Legal Name Of Inventor	Inventor Name (First Middle LAST):	Jeong, Wun-Cheol	
	Inventor Signature:	1	
	Date:	heb. 28, 2014	

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME		
Declaration	The above-identified application was 1 believe that I am the original or an application. I hereby acknowledge that any was a second control or the control of the control		
Assignment	is acknowledge, and other good and assign and transfer unto said assigne		
		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.		
	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.		
Legal Name Of Inventor	Inventor Name (First Middle LAST):	Shin, Chang Sub	
	Inventor Signature:	LL Antr	
	Date:	March, 3, 2014	

Title of Invention	WIRELESS COMMUNICATION DEVI- WIRELESS COMMUNICATION MET	CE USING COMMON CONTROL CHANNEL AND HOD USING THE SAME
Declaration	The above-identified application was I believe that I am the original or an application. I hereby acknowledge that any w	
Assignment		
	Inventor Name (First Middle LAST):	Park, Juderk
Legal Name Of Inventor	Inventor Signature:	Powk In Park March 3 2014
	Date:	Margh 3 2014

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME		
Declaration	As the below named inventor(s), I h	ereby declare that:	
	The declaration is directed to:	·	
	∑The attached application, of the interest of the interes	or ·	
	United States application	or PCT international application number	
	filed o	n	
	The above-identified application wa	s made or authorized to be made by me.	
	I believe that I am the original or a application.	n original joint inventor of a claimed invention in the	
		willful false statement made in this declaration is fine or imprisonment of not more than five (5) years	
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.		
	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.		
Legal Name Of Inventor	Inventor Name (First Middle LAST):	Kim, Eun-Hee	
	Inventor Signature;	Adi	
	Date:	March, 3, 2014	

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME		
Declaration	As the below named inventor(s), I hereby declare that: The declaration is directed to: The attached application, or United States application or PCT international application number filed on The above-identified application was made or authorized to be made by me, I believe 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.		
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. 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.		
Legal Name Of Inventor	Inventor Name (First Middle LAST): Kang, Hoyong		
	Inventor Signature: France Constitution of the		
	Date: Teb 2f, 2014		

IP20130132 -Pan

Title of Invention	WIRELESS COMMUNICATION DEVICE USING COMMON CONTROL CHANNEL AND WIRELESS COMMUNICATION METHOD USING THE SAME		
Declaration	filed o The above-identified application was I believe that I am the original or a application. I hereby acknowledge that any v		
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. 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.		
Legal Name Of Inventor	Inventor Name (First Middle LAST):	PYO, CHEOL SIG	
	Inventor Signature:	Mar, 3, 2014.	
	Date:	Mar. 3, 2014	

Page 9