## 505918484 02/14/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5965201

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHEUL SOON KIM	02/03/2020
SUNG HYUN MOON	02/03/2020
JUNG HOON LEE	02/03/2020

### **RECEIVING PARTY DATA**

Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE	
Street Address:	218, GAJEONG-RO, YUSEONG-GU	
City:	DAEJEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	34129	

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

Property Type	Number
Application Number:	16791616

### CORRESPONDENCE DATA

**Fax Number:** (202)408-0924

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:** 202-371-8976

Email: firm@rabinberdo.com
Correspondent Name: RABIN & BERDO, P.C.

**Address Line 1:** 1101 14TH ST., N.W., SUITE 500

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: ESA-189	
NAME OF SUBMITTER:	JUN-HWA JEONG
SIGNATURE:	/Jun-Hwa Jeong/
<b>DATE SIGNED:</b> 02/14/2020	
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 2** 

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PATENT 505918484 REEL: 051825 FRAME: 0007

출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76) DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

선고되었습니다. The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명하사랑이라고 믿습니다. I believe that I am the original or an original joint inventor of a claimed invention in the application. 본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 발금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다. 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 34129, KOREA 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	발명의 명칭 Title of Invention	MEASUREMENT METHOD AND APPARATUS FOR SUPPORTING MOBILITY IN COMMUNICATION SYSTEM			
동 선언서 제출처: The declaration is directed to:		아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:			
The declaration is directed to:  점부된 출원, 또는 The attached application, or □ 미국 출원 또는 PCT 국제 출원 변호 출원 일자 Unitled States application or PCT international application number filed on V가 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다. The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명사항을 발명한 사람이라고 믿습니다. I believe that I am the original or an original joint inventor of a claimed invention in the application. 본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 발금형 또는 (5) 년 이하의 장역형 또는 두 가지 형벌을 모두 받을 수 있음을 인자합니다. 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 34129, KOREA 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 right, 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		As the below named inventor(s), I hereby declare that:			
지정부된 출원, 또는 The attached application, or □ 미국 출원 또는 PCT 국제 출원 번호		동 선언서 제출처:			
The attached application, or  □ 미국 출원 또는 PCT 국제 출원 번호 출원 일자 United States application or PCT international application number filed on ohy 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다. The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 공동 발명자와 함께 출원서에 주장된 발명사항을 발명한 사람이라고 믿습니다. I believe that I am the original or an original joint inventor of a claimed invention in the application. 본인은 의도적인 허위 진술이 등 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 발금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다. 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 34129, KOREA 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 prefers any and all improvements thereof, the entire right, 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		The declaration is directed to:			
선언 Declaration  선거 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다.  The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 공동 발명자외 함께 출원서에 주장된 발명사항을 발명한 사람이라고 믿습니다.  I believe that I am the original or an original joint inventor of a claimed invention in the application.  본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 발금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다.  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 34129, KOREA 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					
선언 Declaration  선언 Declaration  선언 Declaration  선언 Declaration  선언 Declaration  선거 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로 신고되었습니다.  The above-identified application was made or authorized to be made by me. 본인은 본인이 단독 또는 공통 발명자와 함께 출원서에 주장된 발명사항을 발명한 사람이라고 믿습니다. I believe that I am the original or an original joint inventor of a claimed invention in the application. 본인은 의도적인 허위 진술이 동 선언서에 기재되었을 경우 18 U.S.C. 1001 에 의거, 벌금형 또는 (5) 년 이하의 징역형 또는 두 가지 형벌을 모두 받을 수 있음을 인지합니다. 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 34129, KOREA 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		···			
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legal representatives of the assignee(s) to communicate any facts known to it respecting		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			

## 출원 자료서를 이용한 실용 또는 디자인 특히 출원 선언 및 양도서 (37 CFR 1.76) DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

and the second s					
	continuation, divisional or reissue, or if hereby covenant that no assignment	ent, 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.				
발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Cheul Soon KIM			
	발영자 서명: Inventor Signature:	7/2m2			
	일자: Date:	February 3, 2020			
공동 발명자의 법적 성명 Legal Name Of Joint Inventor, If Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Sung Hyun MOON			
	발명자 서영: Inventor Signature:	cleh			
	일자: Date:	February 3, 2020			
공동 발영자의 법적 성명 Legal Name Of Joint Inventor, if Any	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jung Hoon LEE			
	발명자 서명: Inventor Signature:	Def .			
	일자: Date:	February 3, 2020			

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