

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7009874

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SOON GI PARK	11/03/2021
JUN SIK KIM	11/03/2021
SEUNG JAE BAHNG	11/03/2021
JUNG SOOK BAE	11/03/2021
HEESOO LEE	11/03/2021
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	34129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17520165
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	ESA-235
<b>NAME OF SUBMITTER:</b>	JUN-HWA JEONG
<b>SIGNATURE:</b>	/Jun-Hwa Jeong/
<b>DATE SIGNED:</b>	11/05/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 3</b>	

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**PATENT**

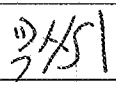
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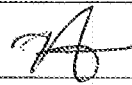
출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76)  
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION**  
**USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

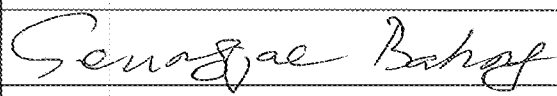
<b>발명의 명칭</b> <b>Title of</b> <b>Invention</b>	<b>METHOD AND APPARATUS FOR CONTROLLING BEAM IN WIRELESS COMMUNICATION SYSTEM</b>
<b>선언</b> <b>Declaration</b>	<p>아래에 기명된 발명자로서, 본인은 아래와 같이 선언합니다:  As the below named inventor(s), I hereby declare that:</p> <p>동 선언서 제출처:  The declaration is directed to:</p> <p><input checked="" type="checkbox"/> 첨부된 출원, 또는  The attached application, or</p> <p><input type="checkbox"/> 미국 출원 또는 PCT 국제 출원 번호 _____ 및  출원 일자 _____  United States application or PCT international application number  _____ filed on _____.</p> <p>상기 기재된 출원은 본인이 작성하였거나, 본인의 허락하에 본인 작성으로  신고되었습니다.  The above-identified application was made or authorized to be made by me.</p> <p>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.</p> <p>본인은 의도적인 허위 진술에 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.</p>
<b>양도</b> <b>Assignment</b>	<p>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)</p> <p style="text-align: center;">Electronics and Telecommunications Research Institute  218, Gajeong-ro, Yuseong-gu, Daejeon 34129, KOREA  Republic of Korea</p> <p>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.</p> <p>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</p>

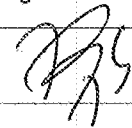
출원 자료서를 이용한 실용 또는 디자인 특허 출원 선언 및 양도서 (37 CFR 1.76)  
**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION**  
**USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

	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.	
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발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Soon Gi PARK
	발명자 서명: Inventor Signature:	
	일자: Date:	November 3, 2021

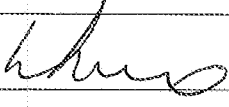
발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jun Sik KIM
	발명자 서명: Inventor Signature:	
	일자: Date:	November 3, 2021

발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Seung Jae BAHNG
	발명자 서명: Inventor Signature:	
	일자: Date:	November 3, 2021

발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Jung Sook BAE
	발명자 서명: Inventor Signature:	
	일자: Date:	November 3, 2021

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

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

발명자의 법적 성명 Legal Name Of Inventor	발명자 성명(이름, 성): Inventor Name (First Middle LAST):	Heesoo LEE
	발명자 서명: Inventor Signature:	
	일자: Date:	November 3, 2021