#### 506578792 03/26/2021

### **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6625573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAE-HYUN SEO	02/25/2021
SUNG-IK PARK	02/25/2021
SEOK-KI AHN	02/25/2021
JAE-YOUNG LEE	02/26/2021

#### **RECEIVING PARTY DATA**

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

Property Type	Number
Application Number:	17214482

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER: W. WILLIAM PARK	
SIGNATURE:	/W. William Park/
DATE SIGNED:	03/26/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 2** 

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PATENT REEL: 055738 FRAME: 0951

506578792

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	TRANSMISSION APPARATUS, RECEPTION APPARATUS, AND TRANSMISSION/RECEPTION METHOD FOR OFDM-BASED BROADCASTING SYSTEM	
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.	
	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  Republic of Korea	
Assignment	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.	

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

	Inventor Name (First Middle LAST):	Jae-Hyun SEO
Legal Name Of Inventor	Inventor Signature:	Jae 4 ym Seo
	Date:	2021-02-25

	Inventor Name (First Middle LAST):	Sung-Ik PARK
Legal Name Of Joint Inventor, If Any	Inventor Signature:	Sung-Ik Park
	Date:	202/-01-25

MARKANA MUMMUMAA	Inventor Name (First Middle LAST):	Seok-Ki AHN
Legal Name Of Joint Inventor, If Any	Inventor Signature:	Seok-ti Ahn
	Date:	24,-02-25

	Inventor Name (First Middle LAST):	Jae-Young LEE
Legal Name Of Joint Inventor, If Any	Inventor Signature:	100
	Date:	2021 -02-26

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