PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAE YEONG KIM	12/24/2018
DONG IN KIM	12/26/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16232523	

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DATE SIGNED:	12/26/2018

Total Attachments: 2

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PATENT 505252661 REEL: 047853 FRAME: 0340

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration is dire	cted to the application attached hereto
or to United States Application Number or PCT International Application	Number
flied on	(if applicable), entitled:

SPARSE-CODED AMBIENT BACKSCATTER COMMUNICATION METHOD AND SYSTEM

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Research & Business Foundation Sungkyunkwan University 2066, Seobu-ro, Jangan-gu Suwon-si, Gyeonggi-do 16419 Republic of Korea

Number	16/232,523	filed on	December 26,	2018	
identified in	i the above declarat	tion, which is United	States Application	on Number or PCT Int	emational Application
interest thro	oughout the world in	n the inventions and	improvements th	nat are the subject of t	he application
and its succ	cessors and assign	s (collectively herein	efter called "the .	Assignee"), the entire	right, title, and

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Tae Yeong KIM		
Inventor's Signature	THE	Date	2018, 12, 24
Residence (City, Country)	Seoul, Republic of Korea		
Mailing Address	1dong 402ho, 609, Hakdong-ro, Gangnam-gu, Seoul, 06077, Republic of Korea		

Inventor's Legal Name	Dong In KIM	
Inventor's Signature	4/4	Date 2018, 12, 26
Residence (City, Country)	Seongnam-si, Republic of Korea	
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