

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KI-TAE KIM	01/22/2019
WOO-JIN CHOI	01/22/2019
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17314034
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<b>DATE SIGNED:</b>	05/06/2021
<b>Total Attachments: 2</b>	
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source=210506-KT21-0108C1_ASM#page2.tif	

ASSIGNMENT

Application No. 17/314,034

Filing Date May 6, 2021

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

- 1) KIM, Ki-tae
- 2) CHOL, Woo-jin

who have made certain new and useful inventions, hereby sell, assign and transfer to

**KT CORPORATION**

having an address at  
(206, Jeongja-dong) 90, Buljeong-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 13606 ,  
Republic of Korea

its successors, assigns and legal representatives (collectively "Assignee"), the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") related to

**METHOD AND APPARATUS FOR TRANSMITTING REFERENCE SIGNAL FOR  
FREQUENCY OFFSET ESTIMATION IN NEW WIRELESS COMMUNICATION  
SYSTEM**

As described in an application for Letters Patent of the United States of America filed on  
May 6, 2021 and assigned U.S. Patent Serial Number 17/314,034, or if  
not identified here by filing date and serial number, executed on even date with the execution  
of this Assignment, and in and to the application and all divisional, continuing, substitute,  
renewal, reissue and all other applications for Letters Patent which have been or shall be filed  
in the United States and all foreign countries for the Inventions, and all the rights and  
privileges under any and all Letters Patent that may be granted therefore including any  
reissues and extensions thereof.

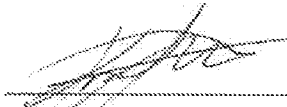
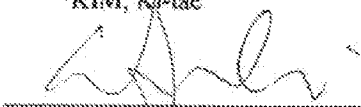
The undersigned agree that when requested will, without charge to Assignee but at its  
expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts  
which may be necessary, desirable or convenient for securing and maintaining patents or  
other forms of protection for the Inventions in any and all countries and for vesting title  
thereto in Assignee.

form of protection for the Inventions in Assignee's own name in any and all countries, and to  
invoke and claim for any application for patent or other form of protection for the Inventions  
filed by Assignee the benefit of all rights of priority provided by any and all treaties,  
conventions or agreements without further written or oral authorization.

The undersigned hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection for the Inventions and to claim the aforesaid benefit of the right of priority.

The undersigned authorize attorneys for Assignee to insert the filing date and serial number into this Assignment Agreement after the application for Letters Patent has been filed and a serial number has been assigned to such application.

IN WITNESS WHEREOF, we have hereunto signed our name(s) on the day and year set forth below.

	INVENTOR	DATE
1)	 KIM, Ki-tae	2019.01.22
2)	 CHOI, Woo-jin	2019.01.22