

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YU SU	05/06/2022
SHENGWEI CHEN	05/06/2022
JIAN ZHOU	05/06/2022
WENJING WANG	05/06/2022
YANG ZHANG	05/06/2022
RECEIVING PARTY DATA	
Name:	CHINA MOBILE(CHENGDU)INFORMATION&TELECOMMUNICATION TECHNOLOGY CO.,LTD.
Street Address:	UNIT 2, BUILDING 1, NO. 150 HELE 2ND STREET
Internal Address:	CHENGDU HI-TECH ZONE, CHINA (SICHUAN) PILOT FREE TRADE ZONE
City:	CHENGDU, SICHUAN
State/Country:	CHINA
Postal Code:	610041
Name:	CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
Street Address:	29, JINRONG AVE.,
Internal Address:	XICHENG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100032
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17784202
CORRESPONDENCE DATA	
Fax Number:	(970)315-0379
<i>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.</i>	
Phone:	+86-10-59797750
Email:	intl@china-pat.com
Correspondent Name:	CHINA PAT INTELLECTUAL PROPERTY OFFICE

Address Line 1: 2ND FLR., INTELLECTUAL PROPERTY BLD., #B
Address Line 2: NO.21 HAIDIAN SOUTH RD., HAIDIAN D.
Address Line 4: BEIJING, CHINA 100080

ATTORNEY DOCKET NUMBER: 2204341PCT-US-CMCY

NAME OF SUBMITTER: ZEYUE JIANG

SIGNATURE: /J/

DATE SIGNED: 07/15/2022

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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

Title of Invention	SIGNAL CONTINUOUS COVERAGE METHOD, DEVICE AND APPARATUS FOR TARGET AREA, AND ANTENNA SYSTEM
As a below named inventor, I hereby declare that: This declaration is directed to: ☐ The attached application, or ☒ United States application or PCT international application number <u>PCT/CN2020/119344</u> filed on <u>2020-09-30</u>. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor 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.	

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to CHINA MOBILE(CHENGDU)INFORMATION&TELECOMMUNICATION TECHNOLOGY CO.,LTD. and CHINA MOBILE COMMUNICATIONS GROUP CO., LTD. (the "Assignee"), having a place of business at Unit 2, Building 1, No. 150 Hele 2nd Street, Chengdu Hi-tech Zone, China (Sichuan) Pilot Free Trade Zone, Chengdu, Sichuan 610041, China and 29, Jinrong Ave., Xicheng District Beijing 100032, China, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to Chinese Patent Application No. 201911262104.9 filed on December 10, 2019; such application(s) and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign

applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of the attached application the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

LEGAL NAME OF INVENTOR	
Inventor: <u>YU SU</u>	Date: <u>May 6th, 2012</u>
Signature: <u>YU SU</u>	

LEGAL NAME OF INVENTOR

Inventor: Shengwei CHEN

Date: May 6th, 2022

Signature: Shengwei CHEN

LEGAL NAME OF INVENTOR

Inventor: Jian ZHOU

Date: May 6th, 2022

Signature: Jian Zhou

LEGAL NAME OF INVENTOR

Inventor: Wenjing WANG

Date: May 6th, 2022

Signature: Wenjing WANG

LEGAL NAME OF INVENTOR

Inventor: Yang ZHANG

Date: May 6th, 2022

Signature: Yang Zhang