506347415 11/10/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6394169

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAODONG YANG	11/10/2020
JIANPING ZHOU	11/07/2020

RECEIVING PARTY DATA

Name:	VIVO MOBILE COMMUNICATION CO., LTD.
Street Address:	#283, BBK ROAD, WUSHA
City:	CHANG'AN DONGGUAN,GUANGDONG
State/Country:	CHINA
Postal Code:	52380

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17094223

CORRESPONDENCE DATA

Fax Number: (312)977-9959

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.

Phone: 312-977-9902

Email: tmorales@vonbriesen.com

Correspondent Name: VON BRIESEN & ROPER, S.C.

Address Line 1: ONE NORTH FRANKLIN STREET

Address Line 2: SUITE 2350

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	60193/PIUS2021817CN
NAME OF SUBMITTER:	THOMAS A. MILLER
SIGNATURE:	/thomas a. miller/
DATE SIGNED:	11/10/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=2020-11-10_Combined_Assignment_and_Declaration_PIUS2021817CN#page1.tif source=2020-11-10_Combined_Assignment_and_Declaration_PIUS2021817CN#page2.tif source=2020-11-10 Combined Assignment and Declaration PIUS2021817CN#page3.tif

PATENT 506347415 REEL: 054326 FRAME: 0725

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PATENT REEL: 054326 FRAME: 0726

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	RACH RESOURCE SELECTION METHOD, RACH RESOURCE CONFIGURATION METHOD, USER EQUIPMENT, AND NETWORK-SIDE DEVICE	
As a below	As a below named inventor, I hereby declare that:	
This decla	C. The attached application or	
**	United States application or PCT international application numberfiled onidentified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
hereby acl punishable years, or bo	cnowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) th.	
parentheses	by authorize and request my attorney or representative to insert here in (patent Application number, filed) the filing stication number of said US application when known.	

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 VIVO MOBILE COMMUNICATION CO.LTD. having a place of business at #283_BBK Road, Wusha, Chang'an Donsguan, Guangdong 523860. China. (hereinafter referred to as "ASSIGNEE") the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which is a national phase filing of PCT/CN2019/084769 filed on April 28, 2019; which in turn claims priority to CN201810445226.0 filed on May 10, 2018; such applications 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 inventions; all original and reissued patents which have been or shall be issued in the United States and all 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 inventions to the Assignee;

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PATENT REEL: 054326 FRAME: 0727 Docket No. P20181092-WO-US-bypass-PIUS2021817CN-by pass (VIVO 線数)

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 inventions; 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 inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

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.

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.

STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

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

LEGAL NAME OF INVENTOR	
Inventor: Xiaodong YANG Date: 2020/11/10	
Signature: Xiaodon YAN &	

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	RACH RESOURCE SELECTION METHOD, RACH RESOURCE CONFIGURATION METHOD, USER EQUIPMENT, AND NETWORK-SIDE DEVICE	
As a below	As a below named inventor, I hereby declare that:	
This decla	to: Fig. The attached application, or	
The above-	United States application or PCT international application number filed on dentified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
	mowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) th.	
parentheses	by authorize and request my attorney or representative to insert here in (patent Application number, filed) the filing olication number of said US application when known.	

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:

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

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PATENT REEL: 054326 FRAME: 0729

Docket No. P20181092-WO-US-bypass-PIUS2021817CN-by pass (VIVO 681/2)

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 inventions; 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 inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

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

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	LEGAL NAME OF INVENTOR
	Inventor: <u>Jianping ZHOU</u> Date: 2,525 - 17 - 07
	Signature: <u>Jianoping ZHOU</u>
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