PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8124722

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
QIUJIE FU	09/08/2021
ZHIGANG HUANG	09/09/2021
FANGZHOU YU	11/05/2018

RECEIVING PARTY DATA

Name:	Huawei Technologies Co., Ltd.
Street Address:	Huawei Administration Building
Internal Address:	Bantian, Longgang District
City:	Shenzhen, Guangdong
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17375806

CORRESPONDENCE DATA

Fax Number: (312)616-5700

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) 616-5600

Email: assignments@leydig.com
Correspondent Name: LEYDIG, VOIT & MAYER, LTD.

Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900

Address Line 2: 180 NORTH STETSON AVENUE Address Line 4: CHICAGO, ILLINOIS 60601-6731

ATTORNEY DOCKET NUMBER: HW754914

NAME OF SUBMITTER: KAJAL AMIN

SIGNATURE: /Kajal Amin/
DATE SIGNED: 08/21/2023

Total Attachments: 6

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT 508077569 REEL: 064653 FRAME: 0242



ASSIGNMENT

WHEREAS, WE,

Bo Zhang Qiujie Fu

Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

P.R. China; and P.R. China; and

Zhigang Huang Fangzhou Yu

Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

P.R. China; and P.R. China.

have invented and own a certain invention entitled:

DATA TRANSMISSION METHOD AND RELATED APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-07-14, under U.S. Application No. 17375806 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China., hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in

In re Appln. of Zhang et al. Attorney Docket No. HW754914

making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date		
	Bo Zhang	-
Date Sep 8, 202	Qiuji e Fu Qiujie Fu	
Date	Zhigang Huang	
Date	Fangzhou Yu	***

ASSIGNMENT

WHEREAS, WE,

Bo Zhang Qiujie Fu

Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

P.R. China; and P.R. China; and

Zhigang Huang Fangzhou Yu Huawei Administration Building, Huawei Admi

Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

P.R. China; and P.R. China.

have invented and own a certain invention entitled:

DATA TRANSMISSION METHOD AND RELATED APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-07-14, under U.S. Application No. 17375806 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China., hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in

In re Appln. of Zhang et al. Attorney Docket No. <u>HW754914</u>

ं

making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	
	Bo Zhang
Date	
Date	Qiujie Fu
Date 09/08/2021	Zhigang Huang
	Zhigang Huang Zhigang Huang
Date	
	Fanozhou Vn

ASSIGNMENT

WHEREAS, WE,

Bo Zhang Qiujie Fu Huawei Administration Building, Huawei Administration Building, Bantian, Longgang District, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Shenzhen, 518129, Guangdong, P.R. China; and P.R. China; and Zhigang Huang Fangzhou Yu Huawei Administration Building, Huawei Administration Building, Bantian, Longgang District, Bantian, Longgang District, Shenzhen, 518129, Guangdong, Shenzhen, 518129, Guangdong, P.R. China; and P.R. China.

have invented and own a certain invention entitled:

DATA TRANSMISSION METHOD AND RELATED APPARATUS

for which invention we have executed	an application ((provisional	or non-provisiona	ıl) for a U.S
patent, which was filed on	, Tunder U.S.	Application	n Noa	and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China., hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in

In re Appln. of Zhang et al. Attorney Docket No. _HW754914

making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	
	Bo Zhang
.	
Date	Qiujie Fu
Date	
Dato	Zhigang Huang
DateNov_oS,2018	Fangzhou Yu
	Fangzhou Yu