

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7296056

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHENGGUANG NIU	04/07/2022
ZHOUYI YU	04/15/2022
HONGTAO GUO	04/07/2022
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:	17555846
CORRESPONDENCE DATA	
Fax Number:	
<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:	8675528429636
Email:	aipatent@huawei.com
Correspondent Name:	HUAWEI TECHNOLOGIES CO., LTD.
Address Line 1:	HUAWEI ADMINISTRATION BUILDING,
Address Line 2:	BANTIAN, LONGGANG DISTRICT,
Address Line 4:	SHENZHEN, GUANGDONG, CHINA 518129
ATTORNEY DOCKET NUMBER:	86746999US05
NAME OF SUBMITTER:	CONNIE DEL CASTILLO
SIGNATURE:	/Connie del Castillo/
DATE SIGNED:	04/25/2022
Total Attachments: 4	
source=86746999US05_ASG#page1.tif	
source=86746999US05_ASG#page2.tif	

source=86746999US05_ASG#page3.tif

source=86746999US05_ASG#page4.tif

ASSIGNMENT

WHEREAS, WE,

Chengguang Niu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and

Zhouyi Yu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and

Hongtao Guo
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China.

have invented and own a certain invention entitled:

MESSAGE SENDING AND RECEIVING METHODS AND APPARATUSES, AND COMMUNICATION SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-12-20, under U.S. Application No. 17555846 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

In re Appln. of Niu et al.
Attorney Docket No. _____

perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in 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 April 7, 2022

Chengguang Niu
Chengguang Niu

Date _____

Zhouyi Yu

Date April 7, 2022

Hongtao Guo
Hongtao Guo

ASSIGNMENT

WHEREAS, WE,

Chengguang Niu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and

Zhouyi Yu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and

Hongtao Guo
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China.

have invented and own a certain invention entitled:

**MESSAGE SENDING AND RECEIVING METHODS AND APPARATUSES, AND
COMMUNICATION SYSTEM**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-12-20, under U.S. Application No. 17555846 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

In re Appln. of Niu et al.
Attorney Docket No. _____

perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in 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 _____

Chengguang Niu

Date April 15, 2022

Zhouyi Yu
Zhouyi Yu

Date _____

Hongtao Guo