

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5882290

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUBO YANG	03/15/2019
CHAO LUO	08/30/2008
ZHENG LIU	03/19/2019
XIAOLEI TIE	09/16/2019
RECEIVING PARTY DATA	
Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	Huawei Administration Building
Internal Address:	Bantian, Longgang District
City:	Shenzhen
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16725317
CORRESPONDENCE DATA	
Fax Number:	(972)731-2289
<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:	972-731-2288
Email:	dallaspatents@dfw.conleyrose.com
Correspondent Name:	GRANT RODOLPH
Address Line 1:	5601 GRANITE PARKWAY, SUITE 500
Address Line 4:	PLANO, TEXAS 75024-6616
ATTORNEY DOCKET NUMBER:	4657-74101 (84999136US09)
NAME OF SUBMITTER:	ALBERT ABBOU
SIGNATURE:	/Albert Abbou/
DATE SIGNED:	12/23/2019
Total Attachments: 9	
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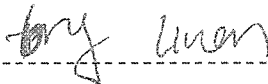
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VERIFICATION OF TRANSLATION

I, Liwen LONG, hereby solemnly affirm that I have a fluent knowledge of English and Chinese languages, and that the document titled "Partial Translation of HUAWEI TECHNOLOGIES CO., LTD. Employment Agreement " is the true and accurate translation of a relevant part of the Employment Agreement between HUAWEI TECHNOLOGIES CO., LTD and employee Chao Luo.

Dated this 28th day of Nov, 2019

Signature of Translator





华为技术有限公司员工聘用协议书

Huawei Technologies Co., Ltd.

Employment Agreement

聘用方(甲方)Employer (Party A): Huawei Technologies Co., Ltd.

住所 Location: Huawei Headquarters, Bantian, Longgang District Shenzhen,
P. R. China

法定代表人 Legal Representative: Sun Yafang

受聘方(乙方) Employee (Party B): 罗超 Chao Luo

工号 Employee ID: 00106027 国籍 Nationality: 中国

护照号码 Passport Number/身份证号码 Citizen Identification:

340104197607252038

户口所在地 Hukou Place (For Chinese):

广西桂平

家庭住址 Personal Address (For Chinese):

上中西路767弄29号203室

PATENT

REEL: 051899 FRAME: 0747

11 知识产权 Intellectual Property Rights

11.1 职务成果

Service Achievements

11.1.1 双方确认，乙方在甲方工作期间（包括离职之日起一年内），由于履行本人职务或甲方安排的本人职务之外的工作任务，或者主要利用甲方的物质条件和业务信息等，自行或与他人共同构思、开发、创造或研制出的发明创造、实用新型、外观设计、技术诀窍、产品、计算机软件、半导体芯片、作品或其他形式的智力成果，其中所包含的或与之有关的全部知识产权权利或其他财产权利（以下统称“知识产权”）均归甲方所有。

Both Party A and Party B agree that Party A owns all the intellectual property rights and/or other property rights (hereinafter referred to as intellectual property rights) included in or related to the inventions, practical innovations, appearance designs, technical know-hows, products, computer software, semiconductor chips, works, and/or intellectual achievements in any other form that are solely or jointly made, researched, developed, or created by Party B in performing Party B's duties or fulfilling other tasks appointed by Party A, or using physical conditions and business information of Party A, during the employment period (including within one year after Party B leaves the employment).

11.1.2 乙方同意以所有适当的方式通过适当的途径（包括但不限于申请专利、注册商标、登记软件等，相关费用由甲方承担）协助甲方或甲方指派的第三方，为甲方取得上述知识产权在任一国家、地区或全球范围内的各项权利。前述适当的方式包括但不限于：向甲方披露全部相关信息和数据，签署相关申请书、技术



说明书以及甲方认为在申请取得该等权利或向甲方（或其继承者、受让人和指定者）转让知识产权的专属权利、权属和利益时所必需的文书。乙方同意，乙方签署任何该等文书或文件的义务、或促使该等文书或文件被签署的义务，在其与甲方的劳动关系终止之后仍应继续存在。

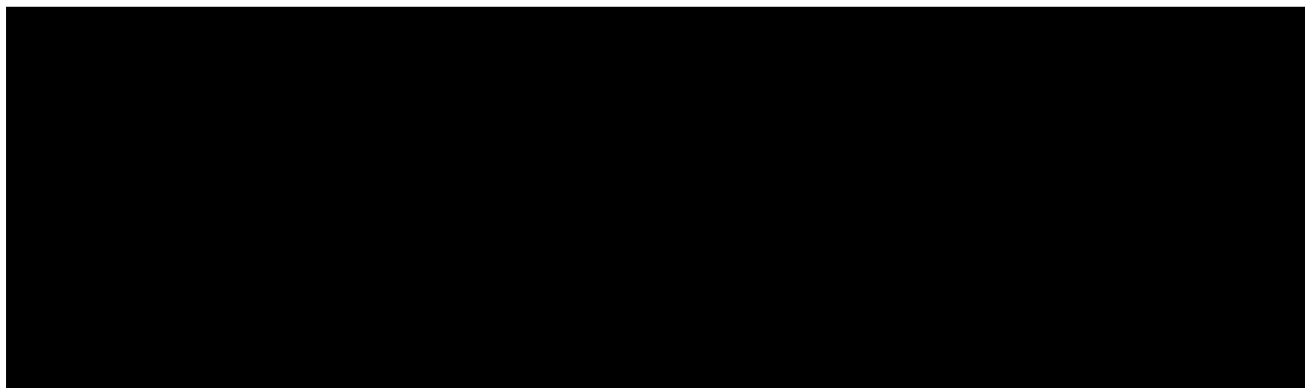
Party B agrees to assist Party A or a third party appointed by Party A to acquire the rights pertaining to the aforesaid intellectual property rights in any country or region or the whole world in all proper ways through proper channels (including but not limited to patent application, trademark registration and software registration; at the expense of Party A). The foregoing proper ways include but are not limited to disclosure of all related information and data to Party A and signing related applications, technical descriptions, and other writings and documents deemed necessary by Party A in applying for these rights or transferring the exclusive rights, ownership and benefits of the intellectual property rights to Party A (or Party A's successor, assignee or appointed entity). Party B agrees that Party B's obligation to sign these writings and documents or assist in getting these writings and documents signed be valid after the termination of the employment.

11.1.3 甲方有权使用、转让或授权他人使用上述知识产权而无须获得乙方的同意。

Party A has the right to use, transfer, or authorize a third party to use the foregoing intellectual property rights without requesting the permission of Party B.

11.1.4 上述知识产权的署名权（依法律规定而应由甲方署名的除外），由作为发明人、制作人或设计人的乙方享有，并且乙方有权按甲方有关规定获得相应的物质奖励和精神鼓励。

Party B, as the inventor, producer, or designer, owns the right of authorship of the foregoing intellectual property rights (except in cases in which Party A owns the right of authorship by law) and Party B shall be entitled to physical and spiritual rewards according to related regulations of Party A.





签 字 页 Signatures

双方尽悉本员工聘用协议书的内容，同意签字确认。

Party A and Party B fully understand the Agreement and agree to sign the Agreement.

甲方：华为技术有限公司

乙方：受聘方

Party A: Huawei Technologies Co., Ltd.

Party B: Party B:

代表：

Representative:

公章：

Seal:



签字：

Signature: Chao Luo

私人章：

Personal seal:

日期：____年____月____日

Date: _____ (MM DD, YYYY)

日期：2008年8月30日

Date: _____ (MM DD, YYYY)

ASSIGNMENT

WHEREAS, WE,

Yubo Yang
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA; and

Zheng Liu
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA; and

Chao Luo
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA; and

Xiaolei Tie
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA;

have invented and own a certain invention entitled:

DATA SENDING METHOD, DATA RECEIVING METHOD, TRANSMIT-END DEVICE,
AND RECEIVE-END DEVICEfor which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2018-09-14, under U.S. Application No. 16132245 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

In re Appln. of Yang et al.
Attorney Docket No. 4657-74100

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 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 March 15 2019 Yubo Yang
Yubo Yang

Date _____
Chao Luo

Date _____
Zheng Liu

Date _____
Xiaolei Tie

In re Appln. of Yang et al.
Attorney Docket No. 4657-74100

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 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 _____

Yubo Yang

Date _____

Chao Luo

Date March 19, 2019

Zhong Liu

Zheng Liu

Date _____

Xiaolei Tie

In re Appln. of Yang et al.
Attorney Docket No. 4657-74100

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 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 _____

Yubo Yang

Date _____

Chao Luo

Date _____

Zheng Liu

Date September 16, 2019

Xiaolei Tie

Xiaolei Tie