504882527 04/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4929268

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WEI QUAN	01/15/2018
BINGZHAO LI	01/15/2018
JIAN ZHANG	01/15/2018
XUN TANG	01/15/2018
JINHUA MIAO	10/24/2017
XIAODONG YANG	03/27/2018

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:	15879709

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 N. STETSON AVENUE
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ATTORNEY DOCKET NUMBER:	HW737824
NAME OF SUBMITTER:	LEANNA BULTEMA
SIGNATURE:	/Leanna Bultema/
DATE SIGNED:	04/24/2018

504882527 PATENT REEL: 045620 FRAME: 0027

Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif

PATENT REEL: 045620 FRAME: 0028

Attorney Docket No. HW737824 Client Reference No. 84566460US07

ASSIGNMENT

WHEREAS, WE,

Wei Quan

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

P.R.CHINA; and

Jian Zhang

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

P.R.CHINA; and

Jinhua Miao

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

P.R.CHINA; and

Bingzhao Li

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

**

Xun Tang

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

P.R.CHINA; and

Xiaodong Yang

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

P.R.CHINA;

have invented and own a certain invention entitled:

COMMUNICATION METHOD AND COMMUNICATION DEVICE

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 01/25/18, under U.S. Application No. and 15/879.709

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.

In re Appln. of Quan et al. Attorney Docket No. HW737824

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 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_Jan 15, 2018	Wei Quan Wei Quan
Date Jan 15. 7018	Bingzhao Li
Date Jan 15, 7018	Jian Zhang Jian Zhang
Date Jan 15, Zul3	Xun Tang Xun Tang
Date	Jinhua Miao
Date	Xiaodong Yang

Attorney Docket No. HW737824 Client Reference No. 84566460US07

ASSIGNMENT

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Wei Quan

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

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Jian Zhang

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Jinhua Miao

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

Date	Wei Quan
Date	Bingzhao Li
Date	Jian Zhang
Date	Xun Tang
Date Oct . 24. 201	Jinhua Miao Jinhua Miao
Date	Xiaodong Yang

ASSIGNMENT

WHEREAS, WE,

Wei Quan Huawei Administration Building

Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Jian Zhang

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

P.R.CHINA; and

Jinhua Miao

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

P.R.CHINA: and

Bingzhao Li

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

P.R.CHINA; and

Xun Tang

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

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PATENT REEL: 045620 FRAME: 0033 In re Appln. of Quan et al. Attorney Docket No. <u>HW737824</u>

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

Date	gerdeberkte indiride o	
*1		Wei Quan
Date		
		Bingzhao Li
Date	aline royane de la lista institute; Lista e de la secono de la secono de la lista de l	
		Jian Zhang
Date	atur dari gilas kalend <u>,</u> da Kalendar kalendar	Xun Tang
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	alia di masa di Papiro, agambi Di Maragara da Ingara di Baranggasa.	Jinhua Miao
Date_Mar 2	7,2018	Xiaodorg Yang
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