## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JUNCHAO LI	12/26/2019
JAVAD ABDOLI	12/30/2019
HAO TANG	12/25/2019
FAN WANG	12/23/2019
ZHENFEI TANG	12/25/2019

### **RECEIVING PARTY DATA**

Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN, LONGGANG DISTRICT
City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518129

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16579844

## **CORRESPONDENCE DATA**

Fax Number:

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:** 404-815-6500

Email: VWang@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP (HUAW

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	088963-1149492 (092400US)
NAME OF SUBMITTER:	CHARLES W. GRAY
SIGNATURE:	/Charles W. Gray/
DATE SIGNED:	08/17/2020

**Total Attachments: 8** 

PATENT REEL: 053507 FRAME: 0203

EPAS ID: PAT6252499

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#### PATENT

Attorney Docket No. 088963-1149492 (092400US) Client Reference No. 85380171US05

## **ASSIGNMENT**

## WHEREAS, WE,

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

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

Zhenfei Tang Suite 400, 303 Terry Fox Drive, Ottawa-Kanata K2K 3J1, Canada. Javad Abdoli Suite 400, 303 Terry Fox Drive, Ottawa-Kanata K2K 3J1, Canada.; and

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

have invented and own a certain invention entitled:

### SIGNAL TRANSMISSION METHOD AND APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2019-09-24, under U.S. Application No. 16579844 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.

In re Appln. of Li et al. Attorney Docket No. <u>088963-1149492</u> (092400US)

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.

Date Dec 26. 2019	Jmchao Li Junchao Li
,	Junchao Li
Date	
	Javad Abdoli
Date	
	Hao Tang
Date	·
	Fan Wang
D-4-	
Date	Zhenfei Tang

#### **PATENT**

Attorney Docket No.088963-1149492 (092400US) Client Reference No. 85380171US05

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Date	Junchao Li
Date_Dec.30,2019_	Javad Abdoli
Date	Hao Tang
	1100 1,0012
Date	Fan Wang
Date	Zhenfei Tang

# Attorney Docket No. 988963-1149492 (092400US) Client Reference No. 85380171US05

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Date	Junchao Li
Date	Javad Abdoli
Date Pec 25, 2019	Hao Tang Hao Tang
Date	Fan Wang
Date_Dec 25, 2019	Zhonfei Tang Zhenfei Tang

#### **PATENT**

Attorney Docket No. 088963-1149492 (092400US) Client Reference No. 85380171US05

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In re Appln. of Li et al. Attorney Docket No. <u>088963-11</u>49492 (092400US)

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Date	
	Junchao Li
Date	Javad Abdoli
	Javad Abdoli
Date	
Datc	Hao Tang
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Date 2019-12-23	Fan Wang Fan Wang
	Fan Wang
Date	7h f.: T
	Zhenfei Tang