# 504688820 12/14/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHEN ZHANG	09/23/2015
JIANFEI WANG	09/23/2015
BING LIU	09/23/2015
SHUHUI SUN	09/23/2015

#### **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:	15575247

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	4657-01500 (84365348US05)	
NAME OF SUBMITTER:	NICHOLAS K. BEAULIEU	
SIGNATURE:	/Nicholas K. Beaulieu/	
DATE SIGNED:	12/14/2017	

**Total Attachments: 2** 

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PATENT REEL: 044401 FRAME: 0280

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PATENT REEL: 044401 FRAME: 0281

Attorney Docket No. <u>4657-01500</u> Client Reference No. 84365348US05

# ASSIGNMENT

### WHEREAS, WE,

Chen ZHANG Jianfei WANG

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

B. Chillian Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong

B. Chillian Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong

P.R.CHINA; and P.R.CHINA; and

Bing LIU Shuhui SUN

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:

#### ANTENNA APPARATUS AND TERMINAL

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 11/17/2017, under U.S. Application No. 15575247 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

PATENT REEL: 044401 FRAME: 0282

**RECORDED: 12/14/2017** 

In re Appln. of ZHANG et al. Attorney Docket No. 4657-01500

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

Date 59. 13. 2015	Chen ZHANG.
Date Sep. 23.2015	Chen ZHANG  Jianfei WANG
Date <u>Sep. 23. 2015</u>	Jianfei WANG  Bing LIU  Bing LIU
Date (4) 23.20/5	Bing LIU  Shuhui SUM
	Shuhui SUN