

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3674614

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	LEI LI	12/24/2015
	LEI ZHAO	12/22/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	HUAWEI DEVICE CO., LTD.	
<b>Street Address:</b>	BUILDING B2, HUAWEI INDUSTRIAL BASE, BANTIAN	
<b>Internal Address:</b>	LONGGANG DISTRICT,	
<b>City:</b>	SHENZHEN, 518129, GUANGDONG, P.R.	
<b>State/Country:</b>	CHINA	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14901807
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(972)628-3616	
<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>		
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<b>NAME OF SUBMITTER:</b>	ROBERT D. MCCUTCHEON	
<b>SIGNATURE:</b>	/robert d. mccutcheon/	
<b>DATE SIGNED:</b>	12/29/2015	
<b>Total Attachments: 4</b>		
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**PATENT**

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 83446147US04

**ASSIGNMENT**

**WHEREAS, WE,**

Lei LI	Lei ZHAO
BuildingB2, Huawei Industrial Base	BuildingB2, Huawei Industrial
Bantian, Longgang District	Base Bantian, Longgang District
Shenzhen, 518129, Guangdong	Shenzhen, 518129, Guangdong
P.R. CHINA ;and	P.R. CHINA

have invented and own a certain invention entitled:

**METHOD AND APPARATUS FOR INTERCONNECTION BETWEEN TERMINAL  
DEVICE AND GATEWAY DEVICE**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on \_\_\_\_\_, under U.S. Application No. \_\_\_\_\_, and

**WHEREAS, HUAWEI DEVICE CO., LTD.**, of BuildingB2, Huawei Industrial Base, 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 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 re Appln. of LI et al.  
Attorney Docket No. \_\_\_\_\_

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

Date Dec. 24, 2015

Lei LI

Lei LI

Date \_\_\_\_\_

\_\_\_\_\_  
Lei ZHAO

**ASSIGNMENT**

**WHEREAS, WE,**

Lei LI	Lei ZHAO
BuildingB2, Huawei Industrial Base	BuildingB2, Huawei Industrial
Bantian, Longgang District	Base Bantian, Longgang District
Shenzhen, 518129, Guangdong	Shenzhen, 518129, Guangdong
P.R. CHINA ;and	P.R. CHINA

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**METHOD AND APPARATUS FOR INTERCONNECTION BETWEEN TERMINAL  
DEVICE AND GATEWAY DEVICE**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on \_\_\_\_\_, under U.S. Application No. \_\_\_\_\_, and

**WHEREAS, HUAWEI DEVICE CO., LTD.,** of BuildingB2, Huawei Industrial Base,  
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,  
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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 re Appln. of LI et al.  
Attorney Docket No. \_\_\_\_\_

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

Date \_\_\_\_\_

\_\_\_\_\_  
Lei LI

Date Dec 22, 2015

Lei ZHAO  
\_\_\_\_\_  
Lei ZHAO