

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2857250

<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 XIAO	05/14/2014
QINGBIN HUANG	05/14/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HUAWEI TECHNOLOGIES CO., LTD.
<b>Street Address:</b>	HUAWEI ADMINISTRATION BUILDING, BANTIAN, 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>
<b>Application Number:</b>	14278780
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)628-3616
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<b>Phone:</b>	972 628 3600
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<b>Address Line 1:</b>	P.O. DRAWER 800889
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<b>NAME OF SUBMITTER:</b>	ROBERT D. MCCUTCHEON
<b>SIGNATURE:</b>	/robert d. mccutcheon/
<b>DATE SIGNED:</b>	05/15/2014
<b>Total Attachments: 4</b>	
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source=Assignment#page4.tif	

**PATENT**

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 83061622US03

**ASSIGNMENT**

**WHEREAS, WE,**

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

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

have invented and own a certain invention entitled:  
**METHOD, APPARATUS AND SYSTEM FOR GUARANTEEING QOS OF  
COMMUNICATION SERVICE IN NAT SCENARIO**  
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 TECHNOLOGIES CO., LTD.**, of 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  
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

**PATENT**

**REEL: 032904 FRAME: 0809**

In re Appln. of Xiao et al.  
Attorney Docket No. \_\_\_\_\_

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 May 14, 2014

LEI XIAO  
Lei XIAO

Date \_\_\_\_\_

\_\_\_\_\_  
Qingbin HUANG

PATENT

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 83061622US03

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Bantian, Longgang District  
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reexaminations, National phase applications, including petty patent applications, and utility  
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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,  
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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

PATENT

REEL: 032904 FRAME: 0811

In re Appln. of Xiao et al.  
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Lei XIAO

Date May 14, 2014

Qingbin HUANG  
Qingbin HUANG