

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Zhiqiang Zhu	07/01/2013
Rihua Zhang	07/01/2013
Guibin Hou	07/01/2013
Yong Xu	07/01/2013
Wenhui Xie	07/01/2013
Bo Ma	07/03/2013
Guolu Gao	07/01/2013
Xiaoping Lu	07/01/2013
Cuihua Fu	07/01/2013

RECEIVING PARTY DATA

Name:	Huawei Technologies Co., Ltd.
Street Address:	Huawei Administration Building
Internal Address:	Bantain, Longgang District
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13935929

CORRESPONDENCE DATA

Fax Number: 3123214299
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 312)321-4200
Email: CBRADY@BRINKSHOFER.COM,
 USASSIGNMENTS@BRINKSHOFER.COM
Correspondent Name: Gustavo Siller, Jr.

CH \$40.00 13935929

Address Line 1: Brinks Hofer Gilson & Lione
Address Line 2: PO Box 10395
Address Line 4: Chicago, ILLINOIS 60610

ATTORNEY DOCKET NUMBER: 13674-1259

NAME OF SUBMITTER: Gustavo Siller, Jr.

Signature: /Gustavo Siller, Jr./

Date: 07/05/2013

Total Attachments: 25

source=13674-1259Assignment#page1.tif
source=13674-1259Assignment#page2.tif
source=13674-1259Assignment#page3.tif
source=13674-1259Assignment#page4.tif
source=13674-1259Assignment#page5.tif
source=13674-1259Assignment#page6.tif
source=13674-1259Assignment#page7.tif
source=13674-1259Assignment#page8.tif
source=13674-1259Assignment#page9.tif
source=13674-1259Assignment#page10.tif
source=13674-1259Assignment#page11.tif
source=13674-1259Assignment#page12.tif
source=13674-1259Assignment#page13.tif
source=13674-1259Assignment#page14.tif
source=13674-1259Assignment#page15.tif
source=13674-1259Assignment#page16.tif
source=13674-1259Assignment#page17.tif
source=13674-1259Assignment#page18.tif
source=13674-1259Assignment#page19.tif
source=13674-1259Assignment#page20.tif
source=13674-1259Assignment#page21.tif
source=13674-1259Assignment#page22.tif
source=13674-1259Assignment#page23.tif
source=13674-1259Assignment#page24.tif
source=13674-1259Assignment#page25.tif

**RECORDATION FORM COVER SHEET
 PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

1. Name of conveying Party(ies):

ZHIQIANG ZHU/JULY 1, 2013
 RIHUA ZHANG/JULY 1, 2013
 GUIBIN HOU/JULY 1, 2013
 YONG XU/JULY 1, 2013
 WENHUI XIE/JULY 1, 2013
 BO MA/JULY 3, 2013
 GUOLU GAO/JULY 1, 2013
 XIAOPING LU/JULY 1, 2013
 CUIHUA FU/JULY 1, 2013

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and Address of receiving Party(ies):

Name: HUAWEI TECHNOLOGIES CO., LTD.

Address: Huawei Administration Building
 Bantian, Longgang District
 Shenzhen, 518129, Guangdong
 P. R. China

Additional name(s) and addresses attached? Yes No

3. Nature of Conveyance/Execution Date(s):

Execution Date(s): July 1, 2013 and July 3, 2013

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other: _____

4. Application or Patent Number(s).

This document is being filed together with a new application.

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE
 PO BOX 10395
 CHICAGO, IL 60610
 Phone: (312) 321-4200
 Fax: (312) 321-4299

6. Total no. of applications & patents involved: 1

7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorize charge by credit card
 Authorize charge to Deposit Account No. 23-1925
 Enclosed
 None required (government interest not affecting title)

8. Payment Information:

- a. Credit Card: Last 4 Numbers
 Expiration Date
 b. Charge fee and/or any Deficiencies to Deposit
 Account Number 23-1925
 Authorized User Name: Brinks Hofer Gilson & Lione

9. Signature:

/Gustavo Siller, Jr./

July 5, 2013

Signature

Date

Gustavo Siller, Jr.

Name of Person Signing

Total no. of pages including coversheet,
 attachments and documents: **25**

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date July 1st, 2013 Zhiqiang ZHU
Zhiqiang ZHU

Date July 1st, 2013 Chaohui LAI
Witness

Date July 1st, 2013 Yongqing WU
Witness

Date July 1st, 2013 Rihua ZHANG
Rihua ZHANG

Date July 1st, 2013 King XIONG
Witness

Date July 1st, 2013 WU JIANG
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guibin HOU

Date _____
Witness

Date _____
Witness

=====
Date _____
Yong XU

Date _____
Witness

Date _____
Witness

=====
Date _____
Wenhui XIE

Date _____
Witness

Date _____
Witness

=====
Date _____
Bo MA

Date _____
Witness

Date _____
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guolu GAO

Date _____
Witness

Date _____
Witness

=====
Date _____
Xiaoping LU

Date _____
Witness

Date _____
Witness

=====
Date _____
Cuihua FU

Date _____
Witness

Date _____
Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____
Zhiqiang ZHU

Date _____
Witness

Date _____
Witness

=====

Date _____
Rihua ZHANG

Date _____
Witness

Date _____
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

Date July 1, 2013

Guibin Hou

Guibin HOU

Date July 1, 2013

Libao Chu

Witness

Date July 1, 2013

Xin Wang

Witness

Date _____

Yong XU

Date _____

Witness

Date _____

Witness

Date _____

Wenhui XIE

Date _____

Witness

Date _____

Witness

Date _____

Bo MA

Date _____

Witness

Date _____

Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guolu GAO

Date _____
Witness

Date _____
Witness

=====
Date _____
Xiaoping LU

Date _____
Witness

Date _____
Witness

=====
Date _____
Cuihua FU

Date _____
Witness

Date _____
Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____	_____
	Zhiqiang ZHU
Date _____	_____
	Witness
Date _____	_____
	Witness
=====	
Date _____	_____
	Rihua ZHANG
Date _____	_____
	Witness
Date _____	_____
	Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

Date _____ Guibin HOU

Date _____ Witness

Date _____ Witness

Date July 1st, 2013 Yong Xu
Yong XU

Date July 1st, 2013 Liang Zhao
Witness

Date July 1st, 2013 Haiqing Wang
Witness

Date July 1st, 2013 Wenhui Xie
Wenhui XIE

Date July 1st, 2013 Zhenhua WANG
Witness

Date July 1st, 2013 Hong Song
Witness

Date _____ Bo MA

Date _____ Witness

Date _____ Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guolu GAO

Date _____
Witness

Date _____
Witness

=====
Date _____
Xiaoping LU

Date _____
Witness

Date _____
Witness

=====
Date _____
Cuihua FU

Date _____
Witness

Date _____
Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____	_____
	Zhiqiang ZHU
Date _____	_____
	Witness
Date _____	_____
	Witness
=====	
Date _____	_____
	Rihua ZHANG
Date _____	_____
	Witness
Date _____	_____
	Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

Date _____

Guibin HOU

Date _____

Witness

Date _____

Witness

Date _____

Yong XU

Date _____

Witness

Date _____

Witness

Date _____

Wenhui XIE

Date _____

Witness

Date _____

Witness

Date July 3, 2013

Bo Ma
Bo MA

Date July 3, 2013

Qiang Li
Witness

Date July 3, 2013

Baoqiao Yin
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====

Date _____
Guolu GAO

Date _____
Witness

Date _____
Witness

=====

Date _____
Xiaoping LU

Date _____
Witness

Date _____
Witness

=====

Date _____
Cuihua FU

Date _____
Witness

Date _____
Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____	_____
	Zhiqiang ZHU
Date _____	_____
	Witness
Date _____	_____
	Witness
=====	
Date _____	_____
	Rihua ZHANG
Date _____	_____
	Witness
Date _____	_____
	Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guibin HOU

Date _____
Witness

Date _____
Witness

=====
Date _____
Yong XU

Date _____
Witness

Date _____
Witness

=====
Date _____
Wenhui XIE

Date _____
Witness

Date _____
Witness

=====
Date _____
Bo MA

Date _____
Witness

Date _____
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

 Date July 1st, 2013 Guolu GAO
 Guolu GAO
 Date July 1st, 2013 Yongqing Wu
 Witness
 Date July 1st, 2013 Gu Tian
 Witness

 Date July 1st, 2013 Xiaoping LU
 Xiaoping LU
 Date July 1st, 2013 Yuanxin Xu
 Witness
 Date July 1st, 2013 Zerui Yang
 Witness

 Date _____ Cuihua FU
 Date _____
 Witness
 Date _____
 Witness

ASSIGNMENT

WHEREAS, WE,

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

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

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

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

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

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

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

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

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

have invented and own a certain invention entitled:
METHOD, APPARATUS AND SYSTEM FOR PROCESSING PACKETS
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)

In re Appln. of Zhu et al.
Attorney Docket No. _____

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

Date _____
Zhiqiang ZHU

Date _____
Witness

Date _____
Witness

=====

Date _____
Rihua ZHANG

Date _____
Witness

Date _____
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____
Guibin HOU

Date _____
Witness

Date _____
Witness

=====
Date _____
Yong XU

Date _____
Witness

Date _____
Witness

=====
Date _____
Wenhui XIE

Date _____
Witness

Date _____
Witness

=====
Date _____
Bo MA

Date _____
Witness

Date _____
Witness

In re Appln. of Zhu et al.
Attorney Docket No. _____

=====
Date _____ Guolu GAO

Date _____ Witness

Date _____ Witness

=====
Date _____ Xiaoping LU

Date _____ Witness

Date _____ Witness

=====
Date July 1st, 2013 Aihua Fu
Cuihua FU

Date July 1st, 2013 Imyiny Dong
Witness

Date July 1st, 2013 Zhenwei Zhang
Witness