503554936 11/04/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

Corrective Assignment to correct the THE SIXTH ASSIGNOR'S NAME FROM SHENGUI QIN TO SHENGYI QIN previously recorded on Reel 036877 Frame 0390. Assignor(s) hereby confirms the CORRECT NAME TO BE SHENGYI QIN.

CONVEYING PARTY DATA

Name	Execution Date
SHUJUAN WANG	12/22/2011
YONGXIANG ZHAO	12/22/2011
MING LI	12/21/2011
MINCHANG YANG	12/22/2011
WENYUAN YONG	12/22/2011
SHENGYI QIN	12/22/2011
YU SHAO	12/23/2011
WEI GU	12/22/2011
GUANGWEI WANG	12/22/2011
XIAOYING ZHAO	12/22/2011

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13339199

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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: 3123214200

Email: rholmes@brinksgilson.com, usassignments@brinksgilson.com

Correspondent Name: GUSTAVO SILLER, JR.

Address Line 1: BRINKS GILSON & LIONE

503554936 REEL: 037046 FRAME: 0001

PATENT

EPAS ID: PAT3601563

Address Line 2: PO BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	13674-695
NAME OF SUBMITTER:	GUSTAVO SILLER, JR.
SIGNATURE:	/Gustavo Siller, Jr./
DATE SIGNED:	11/04/2015

Total Attachments: 39

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Client/Matter No. 13674-695 Client Ref. No. 81355247US04

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):	2. Name and Address of receiving Party(ies):	
SHUJUAN WANG/DECEMBER 22, 2011 YONGXIANG ZHAO/DECEMBER 22, 2011 MING LI/DECEMBER 21, 2011 MINCHANG YANG/DECEMBER 22, 2011	Name: HUAWEI TECHNOLOGIES CO., LTD. Address: Huawei Administration Building	
WENYUAN YONG/DECEMBER 22, 2011 SHENGUI QIN/DECEMBER 22, 2011 YU SHAO/DECEMBER 23, 2011 WEI GU/DECEMBER 22, 2011 GUANGWEI WANG/DECEMBER 22, 2011 XIAOYING ZHAO/DECEMBER 22, 2011 Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	Bantian. Longgang District Shenzhen, 518129, Guangdong P.R. China	
3. Nature of Conveyance/Execution Date(s):	Additional name(s) and addresses attached? Yes No	
Execution Date(s): <u>December 21, 2011, December 22, 2011 and December 23, 2011</u>		
Corrective Assignment		
4. Application or Patent Number(s).	nent is being filed together with a new application.	
A. Patent Application No.(s): 13/339,199	B. Patent No.(s):	
Additional numbers atta	ched? ☐ Yes ⊠ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total no. of applications & patents involved: 1	
	7. Total Fee (37 CFR 1.21(h) & 3.41) \$	
DDINKS OIL SON & LIONE	Authorize charge by credit card	
BRINKS GILSON & LIONE PO BOX 10395	☐ Authorize charge to Deposit Account No. 23-1925 ☐ Enclosed	
CHICAGO, IL 60610	None required (government interest not affecting title)	
Phone: (312) 321-4200	8. Payment Information:	
Fax: (312) 321-4299	a. Credit Card: Last 4 Numbers Expiration Date	
	 b. \infty Charge fee and/or any Deficiencies to Deposit Account Number 23-1925 Authorized User Name: Brinks Hofer Gilson & Lione 	
9. Signature: /Gustavo Siller, Jr./	October 16, 2015	
Signature	Date	
Gustavo Siller, Jr. Name of Person Signing	Total no. of pages including coversheet, attachments and documents: 35	
realite of the fault originity	attachments and accuments.	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 037046 FRAME: 0003

Attorney Docket No. Client Reference No. 81355242US04

ASSIGNMENT

WHEREAS, WE,

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

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

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

Yu SHAO Huawei Technologies Deutschland GmbH, Riesstr. 25, 80992 München, Germany; and

Guangwei WANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and Yongxiang ZHAO Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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

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

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

Xiaoying ZHAO Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

have invented and own a certain invention entitled:
METHOD, DEVICE AND SYSTEM FOR TRANSMITTING PACKET SERVICE DATA
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 Noand

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

In re Appln. of Wang et al. Attorney Docket No.	
patents, extensions, or derivations the	ereof, both foreign and domestic, that may issue thereon, lest the Commissioner of Patents to issue U.S. patents to ably with the terms of this assignment document.
WE HEREBY AUTHORIZE the date and application number of the a time this document is executed.	Assignee to insert in this assignment document the filing pplication if the date and number are unavailable at the
forth herein, and that we will at a consideration, but at the expense of to other writings and do such additional a perfect the Assignee's enjoyment of to making application for and obtaining reissued, reexamined, and National phase on the invention, and in enforcing any applications or patents, and by executional that the foregoing covenant and agreen and legal representatives of all parties here.	and agree with the Assignee that we will not execute any flicting with the terms of this assignment document set any time upon request, without further or additional the Assignee, execute such additional assignments and acts as the Assignee may deem necessary or desirable to this assignment, and render all necessary assistance in original, continuation, continuation-in-part, divisional, use patents of the U.S. or of any and all foreign countries rights or chooses in action accruing as a result of such ang statements and other affidavits, it being understood ment shall bind, and incre to the benefit of, the assigns hereto.
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Attorney Docket No.
Client Reference No. 81355242US04

ASSIGNMENT

WHEREAS, WE,

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

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

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

Yu SHAO Huawei Technologies Deutschland GmbH, Riesstr. 25, 80992 München, Germany; and

Guangwei WANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and Yongxiang ZHAO Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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

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

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

Xiaoying ZHAO Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

have invented and own a certain invention entitled:

METHOD, DEVICE AND SYSTEM FOR TRANSMITTING PACKET SERVICE DATA
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

In re Appin. Attorney Do	of Wang	et	al.
Attorney Do	cket No.		

patents, extensions, or derivations thereof, both foreign and domestic, that nay 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.

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Attorney Docket No. Client Reference No. 81355242US04

ASSIGNMENT

WHEREAS, WE,

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

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

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REEL: 037046 FRAME: 0012

PATENT

In re	Appln.	of Wang	et	al.
Attor	ney Do	cket No.		

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

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Attorney Docket No. Client Reference No. 81355242US04

ASSIGNMENT

WHEREAS, WE,

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

Ming LI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
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IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

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	Shujuan WANG	***************************************
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Attorney Docket No. Client Reference No. 81355242US04

ASSIGNMENT

Whereas, We,

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

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

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

Yu SHAO Huawei Technologies Deutschland GmbH, Riesstr. 25, 80992 München, Germany; and

Guangwei WANG Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and Yongxiang ZHAO
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

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

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

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

Xiaoying ZHAO Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA;

have invented and own a certain invention entitled:
METHOD, DEVICE AND SYSTEM FOR TRANSMITTING PACKET SERVICE DATA
for which invention we have executed an application (provisional or non-provisional) for a LLS
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

In re Appln. of Wang et al. Attorney Docket No.
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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.

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Attorney Docket No. Client Reference No. 81355242US04

ASSIGNMENT

WHEREAS, WE,

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

Ming LI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
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In re Appln.	of Wang et al.
Attorney Do	cket No.

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Attorney Docket No.
Client Reference No. 81355242US04

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In re Appln. of Wang et al.	
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Date	Shujuan WANG
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Attorney Docket No. Client Reference No. 81355242US04

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In re App	oln, of	Wang	et al.
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PATENT REEL: 037046 FRAME: 0035

RECORDED: 11/04/2015