

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Yang Zhao</td><td>06/18/2012</td></tr><tr><td>Keke Liu</td><td>06/12/2012</td></tr></tbody></table>		Name	Execution Date	Yang Zhao	06/18/2012	Keke Liu	06/12/2012						
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Huawei Device Co.,Ltd.</td></tr><tr><td>Street Address:</td><td>Building B2, Huawei Industrial Base</td></tr><tr><td>Internal Address:</td><td>Bantian, Longgang District</td></tr><tr><td>City:</td><td>Shenzhen, Guangdong</td></tr><tr><td>State/Country:</td><td>CHINA</td></tr><tr><td>Postal Code:</td><td>518129</td></tr></table>		Name:	Huawei Device Co.,Ltd.	Street Address:	Building B2, Huawei Industrial Base	Internal Address:	Bantian, Longgang District	City:	Shenzhen, Guangdong	State/Country:	CHINA	Postal Code:	518129
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PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13530424</td></tr></tbody></table>		Property Type	Number	Application Number:	13530424								
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Application Number:	13530424												
CORRESPONDENCE DATA													
Fax Number: (312)321-4299													
Email: usassignments@brinkshofer.com, cbrady@usebrinks.com													
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name: Gustavo Siller, Jr.													
Address Line 1: Brinks Hofer Gilson & Lione													
Address Line 2: PO Box 10395													
Address Line 4: Chicago, ILLINOIS 60610													
ATTORNEY DOCKET NUMBER:	13674-851												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif													

CH \$40.00 13530424

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PATENT
REEL: 028429 FRAME: 0968

**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):

YANG ZHAO/JUNE 18, 2012
KEKE LIU/JUNE 12, 2012

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

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

Execution Date(s): June 18, 2012 and June 12, 2012

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

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

Name: HUAWEI DEVICE CO.,LTD.
BUILDING B2, HUAWEI
INDUSTRIAL BASE
BANTIAN, LONGGANG DISTRICT
SHENZHEN, GUANGDONG,
518129
P.R. CHINA

Additional name(s) and addresses attached? ☐ Yes ☒ No

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./

Signature

Gustavo Siller, Jr.

Name of Person Signing

June 22, 2012

Date

Total no. of pages including coversheet,
attachments and documents: 5

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

Attorney Docket No. _____
Client Reference No. 82708145US05

ASSIGNMENT

WHEREAS, WE,

Yang ZHAO	Keke LIU
BuildingB2, Huawei Industrial	BuildingB2,HuaweiIndustrialBase
Base Bantian, Longgang District	Bantian, Longgang District
Shenzhen, 518129, Guangdong	Shenzhen, 518129, Guangdong
P.R. CHINA.;and	P.R. CHINA.;and

have invented and own a certain invention entitled:

ROUTE CONFIGURATION IMPLEMENTATION METHOD AND ROUTING 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

In re Appln. of Zhao 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 June 18th 2012

Yang ZHAO

Yang ZHAO

Date June 18th 2012

SIAN SON

Witness

Date June 18th 2012

GUO PENG

Witness

Date _____

Keke LIU

Date _____

Witness

Date _____

Witness

PATENT

Attorney Docket No. _____
Client Reference No. 82708145U\$05

ASSIGNMENT

WHEREAS, WE,

Yang ZHAO	Keke LIU
BuildingB2, Huawei Industrial	BuildingB2,HuaweiIndustrialBase
Base Bantian, Longgang District	Bantian, Longgang District
Shenzhen, 518129, Guangdong	Shenzhen, 518129, Guangdong
P.R. CHINA.;and	P.R. CHINA.;and

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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.

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

Date _____

Yang ZHAO

Date _____

Witness

Date _____

Witness

Date June 12, 2012

Keke LIU
Keke LIU

Date June 12, 2012

Qimeng ZHANG
Witness

Date June 12, 2012

Xinhua LIU
Witness