

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shulan Feng</td> <td>01/28/2011</td> </tr> <tr> <td>Jinnan Liu</td> <td>01/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	Shulan Feng	01/28/2011	Jinnan Liu	01/28/2011						
Name	Execution Date												
Shulan Feng	01/28/2011												
Jinnan Liu	01/28/2011												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>HUAWEI TECHNOLOGIES CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building</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 TECHNOLOGIES CO., LTD.	Street Address:	Huawei Administration Building	Internal Address:	Bantian, Longgang District	City:	Shenzhen, Guangdong	State/Country:	CHINA	Postal Code:	518129
Name:	HUAWEI TECHNOLOGIES CO., LTD.												
Street Address:	Huawei Administration Building												
Internal Address:	Bantian, Longgang District												
City:	Shenzhen, Guangdong												
State/Country:	CHINA												
Postal Code:	518129												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13011490</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13011490								
Property Type	Number												
Application Number:	13011490												
CORRESPONDENCE DATA													
<p>Fax Number: (312)321-4299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 3123214200</p> <p>Email: MCALDERON@BRINKSHOFER.COM</p> <p>Correspondent Name: Gustavo Siller, Jr.</p> <p>Address Line 1: Brinks, Hofer, Gilson & Lione</p> <p>Address Line 2: P.O. BOX 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>													
ATTORNEY DOCKET NUMBER:	13674-431												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
<p>Total Attachments: 3</p> <p>source=13674-431Assignment#page1.tif</p>													

CH \$40.00 13011490

501435612

PATENT
REEL: 025794 FRAME: 0412

source=13674-431Assignment#page2.tif

source=13674-431Assignment#page3.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):

SHULAN FENG / JANUARY 28, 2011
JINNAN LIU / JANUARY 28, 2011

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

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

Execution Date(s): January 28, 2011

- | | |
|---|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement | |
| <input type="checkbox"/> Government Interest Assignment | |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License | |
| <input type="checkbox"/> Other: _____ | |

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

4. Application or Patent Number(s).

☐ This document is being filed together with a new application.

A. Patent Application No.(s):
13/011,490

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

February 9, 2011

Date

Total no. of pages including coversheet,
attachments and documents: 3

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. 0812521US

ASSIGNMENT

WHEREAS, WE,

Shulan FENG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; andJinnan LIU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.

have invented and own a certain invention entitled:

**METHOD AND SYSTEM OF CHANNEL DETECTING AND REPORTING,
TERMINAL, AND MANAGEMENT CENTER**for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 21 January 2011, under U.S. Application No. 13011490, 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

PATENT

REEL: 025794 FRAME: 0415

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

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 January, 28, 2011

Shulan FENG

Shulan FENG

Date January, 28, 2011

Yajuan LI

Witness

Date January 28, 2011

Qiang LI

Witness

Date January 28, 2011

Jinnan LIU

Jinnan LIU

Date January 28, 2011

Yong-Ping ZHANG

Witness

Date January 28, 2011

Xingwei Zhang

Witness