

## 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>Bo Wu</td> <td>05/29/2012</td> </tr> <tr> <td>Rong Deng</td> <td>05/29/2012</td> </tr> <tr> <td>Zhen Long</td> <td>05/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bo Wu	05/29/2012	Rong Deng	05/29/2012	Zhen Long	05/29/2012				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>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
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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>13432861</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13432861								
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CORRESPONDENCE DATA													
<p>Fax Number: (312)321-4299</p> <p>Phone: 3123214200</p> <p>Email: usassignments@brinkshofer.com, cbrady@brinkshofer.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Gustavo Siller, Jr.</p> <p>Address Line 1: Brinks, Hofer, Gilson &amp; Lione</p> <p>Address Line 2: P.O. BOX 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>													
ATTORNEY DOCKET NUMBER:	13674-778												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
<p>Total Attachments: 3</p> <p>source=13674-778ASSIGNMENT#page1.tif</p> <p>source=13674-778ASSIGNMENT#page2.tif</p> <p>source=13674-778ASSIGNMENT#page3.tif</p>													

CH \$40.00 13432861

**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):**

BO WU/MAY 29, 2012  
RONG DENG/MAY 29, 2012  
ZHEN LONG/MAY 29, 2012

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): May 29, 2012

- |   |   |
|---|---|
| <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: _____                               |   |

**4. Application or Patent Number(s).**

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

A. Patent Application No.(s):  
13/432,861

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

May 29, 2012  
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

**ASSIGNMENT****WHEREAS, WE,**

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

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

Zhen LONG  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:  
**METHOD AND APPARATUS FOR LOCATING DATA FRAME**  
for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 28 Mar 2012, under U.S. Application No. 13432861 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 foreign countries

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

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 May. 29. 2012

Bo WU  
Bo WU

Date May. 29. 2012

Yuan Yuan Jiang  
Witness

Date May. 29. 2012

Junyong Huang  
Witness

Date May. 29. 2012

Rong DENG  
Rong DENG

Date May. 29. 2012

Jiangmin Song  
Witness

Date May. 29. 2012

Qian Li  
Witness

Date May. 29. 2012

Zhen Long  
Zhen LONG

Date May. 29. 2012

Yibo Fang  
Witness

Date May. 29. 2012

Lei Li  
Witness