

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| 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>Weiwei Song</td> <td>12/16/2011</td> </tr> <tr> <td>Yuhua Chen</td> <td>12/16/2011</td> </tr> <tr> <td>Jing Han</td> <td>12/16/2011</td> </tr> <tr> <td>Zhiyu Yan</td> <td>12/16/2011</td> </tr> <tr> <td>Yinghui Yu</td> <td>12/16/2011</td> </tr> <tr> <td>Xin Xiong</td> <td>12/16/2011</td> </tr> </tbody> </table> |   | Name          | Execution Date | Weiwei Song         | 12/16/2011 | Yuhua Chen | 12/16/2011 | Jing Han | 12/16/2011 | Zhiyu Yan | 12/16/2011 | Yinghui Yu | 12/16/2011 | Xin Xiong | 12/16/2011 |
| Name  | Execution Date  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Weiwei Song   | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Yuhua Chen  | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Jing Han  | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Zhiyu Yan   | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Yinghui Yu  | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Xin Xiong   | 12/16/2011  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| RECEIVING PARTY DATA  |   |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| 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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13336760</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 13336760   |            |            |          |            |           |            |            |            |           |            |
| Property Type   | Number  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Application Number:   | 13336760  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| CORRESPONDENCE DATA   |   |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Fax Number:   | (312)321-4299   |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Phone:  | 3123214200  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Email:  | usassignments@brinkshofer.com, cbrady@brinkshofer.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:   | P.O. BOX 10395  |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |
| Address Line 4:   | Chicago, ILLINOIS 60610                               |               |                |                     |            |            |            |          |            |           |            |            |            |           |            |

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| ATTORNEY DOCKET NUMBER:  | 13674-690           |
| NAME OF SUBMITTER:   | Gustavo Siller, Jr. |
| Total Attachments: 7<br>source=13674-690Assignment#page1.tif<br>source=13674-690Assignment#page2.tif<br>source=13674-690Assignment#page3.tif<br>source=13674-690Assignment#page4.tif<br>source=13674-690Assignment#page5.tif<br>source=13674-690Assignment#page6.tif<br>source=13674-690Assignment#page7.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:

|  |  |
|--|--|
| <p><b>1. Name of conveying Party(ies):</b><br/>                 WEIWEI SONG/DECEMBER 16, 2011<br/>                 YUHUA CHEN/DECEMBER 16, 2011<br/>                 JING HAN/DECEMBER 16, 2011<br/>                 ZHIYU YAN/DECEMBER 16, 2011<br/>                 YINGHUI YU/DECEMBER 16, 2011<br/>                 XIN XIONG/DECEMBER 16, 2011</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>  | <p><b>2. Name and Address of receiving Party(ies):</b><br/>                 Name: HUAWEI TECHNOLOGIES CO., LTD<br/>                 Address: Huawei Administration Building<br/>                 Bantian, Longgang District<br/>                 Shenzhen, 518129, Guangdong<br/>                 P. R. China</p> <p>Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>  |
| <p><b>3. Nature of Conveyance/Execution Date(s):</b><br/>                 Execution Date(s): <u>December 16, 2011</u></p> <p> <input checked="" type="checkbox"/> Assignment <span style="margin-left: 150px;"><input type="checkbox"/> Merger</span><br/> <input type="checkbox"/> Security Agreement <span style="margin-left: 150px;"><input type="checkbox"/> Change of Name</span><br/> <input type="checkbox"/> Joint Research Agreement<br/> <input type="checkbox"/> Government Interest Assignment<br/> <input type="checkbox"/> Executive Order 9424, Confirmatory License<br/> <input type="checkbox"/> Other: _____             </p> |  |
| <p><b>4. Application or Patent Number(s).</b> <input checked="" type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s): _____ B. Patent No.(s): _____</p> <p align="right">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>   |  |
| <p><b>5. Name and address of party to whom correspondence concerning document should be mailed:</b></p> <p align="center">BRINKS HOFER GILSON &amp; LIONE<br/>                 PO BOX 10395<br/>                 CHICAGO, IL 60610<br/>                 Phone: (312) 321-4200<br/>                 Fax: (312) 321-4299</p>   | <p><b>6. Total no. of applications &amp; patents involved:</b> <u>1</u></p> <p><b>7. Total Fee (37 CFR 1.21(h) &amp; 3.41) \$ <u>40.00</u></b></p> <p> <input type="checkbox"/> Authorize charge by credit card<br/> <input checked="" type="checkbox"/> Authorize charge to Deposit Account No. 23-1925<br/> <input type="checkbox"/> Enclosed<br/> <input type="checkbox"/> None required (government interest not affecting title)             </p> <p><b>8. Payment Information:</b></p> <p>a. <input type="checkbox"/> Credit Card: Last 4 Numbers _____<br/>                 Expiration Date _____</p> <p>b. <input checked="" type="checkbox"/> Charge fee and/or any Deficiencies to Deposit Account Number 23-1925<br/>                 Authorized User Name: Brinks Hofer Gilson &amp; Lione</p> |
| <p><b>9. Signature:</b> <u>/Gustavo Siller, Jr./</u> <span style="float: right;"><u>December 23, 2011</u></span></p> <p align="center">_____<br/>Signature <span style="float: right;">Date</span></p> <p align="center">Gustavo Siller, Jr.<br/>Name of Person Signing</p> <p align="right">Total no. of pages including coversheet, attachments and documents: <u>7</u></p>  |  |

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,

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

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

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

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

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

Xin XIONG  
Huawei Administration Building  
Bantian, Longgang District  
Shenzhen, 518129, Guangdong  
P.R. CHINA;

have invented and own a certain invention entitled:  
HANDOVER METHOD, USER EQUIPMENT, AND NETWORK side 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 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

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

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 December 16, 2011

Weiwei SONG  
Weiwei SONG

Date December 16, 2011

Wei QIAN  
Witness

Date December 16, 2011

YI JIANG  
Witness

Date December 16, 2011

Yuhua CHEN  
Yuhua CHEN

Date December 16, 2011

Wei QUAN  
Witness

Date December 16, 2011

YI JIANG  
Witness

Date December 16, 2011

Jing HAN  
Jing HAN

Date December 16, 2011

Wei QIAN  
Witness

Date December 16, 2011

YI JIANG  
Witness

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\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Zhiyu YAN

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Yinghui YU

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Witness

\_\_\_\_\_  
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\_\_\_\_\_  
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Xin XIONG

\_\_\_\_\_  
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\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date \_\_\_\_\_

\_\_\_\_\_  
Witness

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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)  
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patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon,  
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Date \_\_\_\_\_ Weiwei SONG

Date \_\_\_\_\_ Witness

Date \_\_\_\_\_ Witness

=====

Date \_\_\_\_\_ Yuhua CHEN

Date \_\_\_\_\_ Witness

Date \_\_\_\_\_ Witness

=====

Date \_\_\_\_\_ Jing HAN

Date \_\_\_\_\_ Witness

Date \_\_\_\_\_ Witness



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Date December, 16, 2011

Zhiyu YAN

Zhiyu YAN

Date December, 16, 2011

Wei QUAN

Witness

Date December 16, 2011

Yi JIANG

Witness

Date December, 16, 2011

Yinghui YU

Yinghui YU

Date December, 16, 2011

Wei QUAN

Witness

Date December 16, 2011

Yi JIANG

Witness

Date December, 16, 2011

Xin XIONG

Xin XIONG

Date December, 16, 2011

Wei QUAN

Witness

Date December 16, 2011

Yi JIANG

Witness