

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Qingxue Zhang</td> <td>02/07/2012</td> </tr> <tr> <td>Tao Zhang</td> <td>02/07/2012</td> </tr> <tr> <td>Yinchang Yang</td> <td>02/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Qingxue Zhang	02/07/2012	Tao Zhang	02/07/2012	Yinchang Yang	02/07/2012
Name	Execution Date								
Qingxue Zhang	02/07/2012								
Tao Zhang	02/07/2012								
Yinchang Yang	02/07/2012								
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>13333713</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13333713				
Property Type	Number								
Application Number:	13333713								
CORRESPONDENCE DATA									
Fax Number:	(312)321-4299								
Phone:	3123214200								
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<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								
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Address Line 4:	Chicago, ILLINOIS 60610								
ATTORNEY DOCKET NUMBER:	13674-685								
NAME OF SUBMITTER:	Gustavo Siller, Jr.								
Total Attachments: 3 source=13674-685assign#page1.tif source=13674-685assign#page2.tif source=13674-685assign#page3.tif									

CH \$40.00 13333713

**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):

QINGXUE ZHANG / FEBRUARY 07, 2012
 TAO ZHANG / FEBRAURY 07, 2012
 YINCHANG YANG / FEBRUARY 07, 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): February 07, 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):
 13/333,713

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 14, 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,

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

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

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

have invented and own a certain invention entitled:
METHOD AND DEVICE FOR DETECTION IN CELL RANDOM ACCESS
for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 21 Dec 2011, under U.S. Application No. 13333713 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

In re Appln. of Zhang 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 February 7, 2012 Qingxue Zhang
Qingxue ZHANG

Date February 7, 2012 Xiaonian Gong
Witness

Date February 7, 2012 Hongliang Fu
Witness

Date February 7, 2012 Tao ZHANG
Tao ZHANG

Date February 7, 2012 LuJun Qin
Witness

Date February 7, 2012 BaoLiang Wang
Witness

Date Feb. 7, 2012 Yinchang YANG
Yinchang YANG

Date Feb. 7, 2012 Xiaonian Gong
Witness

Date Feb. 7, 2012 Yanhua Bai
Witness