

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jie Ma	09/16/2010
Yi Zhang	09/21/2010
Jinlin Zhang	09/14/2010
Jun Chen	09/14/2010
Xiaofei Ma	09/21/2010
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	
Property Type	Number
Application Number:	12890246
CORRESPONDENCE DATA	
Fax Number:	(312)321-4299
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	3123214200
Email:	mcalderon@brinkshofer.com
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
ATTORNEY DOCKET NUMBER:	13674-371

CH \$40.00 12890246

501321857

**PATENT
 REEL: 025147 FRAME: 0665**

NAME OF SUBMITTER:

Gustavo Siller, Jr.

Total Attachments: 6

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**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): JIE MA/SEPTEMBER 16, 2010 YI ZHANG/SEPTEMBER 21, 2010 JINLIN ZHANG/SEPTEMBER 14, 2010 JUN CHEN/SEPTEMBER 14, 2010 XIAOFEI MA/SEPTEMBER 21, 2010 Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance/Execution Date(s): Execution Date(s): <u>September 14, 2010, September 16, 2010, September 21, 2010</u> <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). <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s): 12/890,246 B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> 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: <u>1</u> 7. Total Fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorize charge by credit card <input checked="" type="checkbox"/> Authorize charge to Deposit Account No. 23-1925 <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information: a. <input type="checkbox"/> Credit Card: Last 4 Numbers Expiration Date b. <input checked="" type="checkbox"/> Charge fee and/or any Deficiencies to Deposit Account Number 23-1925 Authorized User Name: Brinks Hofer Gilson & Lione	
9. Signature: <u>/Gustavo Siller, Jr./</u> Signature <u>Gustavo Siller, Jr.</u> Name of Person Signing		Date <u>October 15, 2010</u> Total no. of pages including coversheet, attachments and documents: <u>6</u>	

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. 0814549US

ASSIGNMENT

WHEREAS, WE,

Jie MA
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Jinlin ZHANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and
Xiaofei MA
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA.

Yi ZHANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;
Jun CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR CONTROLLING CARRIER FREQUENCY IN MULTI-CARRIER/CELL SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on September 24, 2010, under U.S. Application No. 12890246, 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.

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

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 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 September 16, 2010

Jie MA

Jie MA

Date September 16, 2010

Liduo Yun BAZ

Witness

Date September 16, 2010

Shuang Lin

Witness

Date _____

Yi ZHANG

Date _____

Witness

Date _____

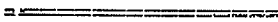
Witness

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

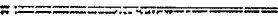
WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, 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 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 _____	_____
	Jie MA
Date _____	_____
	Witness
Date _____	_____
	Witness



Date <u>September 21, 2010</u>	<u>Yi ZHANG</u>
	Yi ZHANG
Date <u>September 21, 2010</u>	<u>Haidan WANG</u>
	Witness
Date <u>September 21, 2010</u>	<u>Yang CAO</u>
	Witness



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

Date September 14, 2010

Jinlin Zhang
Jinlin ZHANG

Date September 14, 2010

Hongrui Zhou
Witness

Date September 14, 2010

Huawei Zhang
Witness

Date _____

Jun CHEN

Date _____

Witness

Date _____

Witness

Date _____

Xiaofei MA

Date _____

Witness

Date _____

Witness

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

Date _____

Jinlin ZHANG

Date _____

Witness

Date _____

Witness

=====

Date September 14, 2010

Jun CHEN
Jun CHEN

Date September 14, 2010

Hongrui Zhang
Witness

Date September 14, 2010

Huawei Zhang
Witness

=====

Date September 21, 2010

Xiaofei MA
Xiaofei MA

Date September 21, 2010

MA CHEN
Witness

Date September 21, 2010

Yu Xiaojian
Witness

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