

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>Libin Zhang</td><td>10/17/2011</td></tr><tr><td>Qi Zhang</td><td>10/17/2011</td></tr></tbody></table>		Name	Execution Date	Libin Zhang	10/17/2011	Qi Zhang	10/17/2011						
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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>13277851</td></tr></tbody></table>		Property Type	Number	Application Number:	13277851								
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Application Number:	13277851												
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>													
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Address Line 2: P.O. BOX 10395													
Address Line 4: Chicago, ILLINOIS 60610													
ATTORNEY DOCKET NUMBER:	13674-620												
NAME OF SUBMITTER:	Gustavo Siller, Jr.												
Total Attachments: 3 source=13674-620Assignment#page1.tif source=13674-620Assignment#page2.tif source=13674-620Assignment#page3.tif													

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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): LIBIN ZHANG/OCTOBER 17, 2011 QI ZHANG/OCTOBER 17, 2011 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>October 17, 2011</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 checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" 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 Gustavo Siller, Jr. Name of Person Signing		October 20, 2011 Date Total no. of pages including coversheet, attachments and documents: <u>3</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

ASSIGNMENT

WHEREAS, WE,

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

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

have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR ADJUSTING CHANNEL DELAY
PARAMETER OF MULTI-CHANNEL SIGNAL

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 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

95-2000

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Libin ZHANG

Cheng LU
Witness

Yuanguan Lici
Witness

Li ZHANG
Qi ZHANG

Haiting LI
Witness

Xiaohui Ding
Witness