

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liming Fang</td> <td>02/09/2009</td> </tr> <tr> <td>Ying Li</td> <td>01/16/2009</td> </tr> <tr> <td>Zihuan Chen</td> <td>01/16/2009</td> </tr> </tbody> </table>		Name	Execution Date	Liming Fang	02/09/2009	Ying Li	01/16/2009	Zihuan Chen	01/16/2009
Name	Execution Date								
Liming Fang	02/09/2009								
Ying Li	01/16/2009								
Zihuan Chen	01/16/2009								
RECEIVING PARTY DATA									
Name:	Huawei Technologies Co., Ltd								
Street Address:	Huawei Administration Building								
Internal Address:	Bantian, Longgang Distict								
City:	Shenzhen, Guangdong								
State/Country:	CHINA								
Postal Code:	518129								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12369443</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12369443				
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Application Number:	12369443								
CORRESPONDENCE DATA									
Fax Number:	(312)321-4299								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Correspondent Name:	Gustavo Siller, Jr.								
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Address Line 2:	P.O. Box 10395								
Address Line 4:	Chicago, ILLINOIS 60611								
ATTORNEY DOCKET NUMBER:	13674-88								
NAME OF SUBMITTER:	Gustavo Siller, Jr.								
Total Attachments: 5									

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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): LIMING FANG/FEBRUARY 9, 2009 YING LI/JANUARY 16, 2009 ZIHUAN CHEN/JANUARY 16, 2009 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. Street 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>February 9, 2009 and January 16, 2009</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 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> <u>February 11, 2009</u> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;"> _____ Signature _____ Gustavo Siller, Jr. Name of Person Signing </div> <div style="text-align: center;"> _____ Date Total no. of pages including coversheet, attachments and documents: <u>5</u> </div> </div>	

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. 13674-88
Client Reference No. 0711340US
Brinks Hofer Gilson & Lione
NBC Tower, Suite 3600
455 North Cityfront Plaza Drive
Chicago, IL 60611-5599

ASSIGNMENT

WHEREAS, WE

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

Zihuan CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA

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

have invented and own a certain invention entitled:

METHOD, SYSTEM AND DEVICE FOR xDSL CROSSTALK CANCELLATION

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on _____, 2009, 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.

In re Appln. of Liming Fang et al.
Attorney Docket No. 13674-88

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 Feb. 9 2009

Liming Fang
Liming FANG

Date Feb. 9 2009

Lu Jie
Witness

Date Feb. 9 2009

Jian Ping Tu
Witness

Date _____

Ying LI

ate _____

Witness

Date _____

Witness

In re Appln. of Liming Fang et al.
Attorney Docket No. 13674-88

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 _____

Liming FANG

Date _____

Witness

Date _____

Witness

Date 16th January 2009

Ying Li
Ying LI

Date 16th January 2009

Zhong PAN
Witness

Date 16th Jan 2009

Sum Fang Lin
Witness

***** 2009-01-16 11:59:27

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In re Appln. of Liming Fang et al.
Attorney Docket No. 13674-88

Date 16th January 2009

Zihuan CHEN
Zihuan CHEN

Date 16th January 2009

Ceig song Yue
Witness

Date 16th January 2009

Yi Chen
Witness