

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>Chiwu Ding</td> <td>05/05/2010</td> </tr> <tr> <td>Huaping Qing</td> <td>05/05/2010</td> </tr> <tr> <td>Jun Cai</td> <td>05/05/2010</td> </tr> <tr> <td>Li Zeng</td> <td>05/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Chiwu Ding	05/05/2010	Huaping Qing	05/05/2010	Jun Cai	05/05/2010	Li Zeng	05/05/2010
Name	Execution Date										
Chiwu Ding	05/05/2010										
Huaping Qing	05/05/2010										
Jun Cai	05/05/2010										
Li Zeng	05/05/2010										
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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12778486</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12778486						
Property Type	Number										
Application Number:	12778486										
CORRESPONDENCE DATA											
Fax Number:	(321)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:	13674-194										
NAME OF SUBMITTER:	Gustavo Siller, Jr.										

CH \$40.00 12778486

Total Attachments: 4

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.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>1. Name of conveying Party(ies):</p> <p align="center">CHIWU DING/MAY 5, 2010 HUAPING QING/MAY 5, 2010 JUN CAI/MAY 5, 2010 LI ZENG/MAY 5, 2010</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and Address of receiving Party(ies):</p> <p>Name: HUAWEI TECHNOLOGIES CO., LTD.</p> <p>Address: Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. China</p> <p>Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance/Execution Date(s):</p> <p>Execution Date(s): <u>May 5, 2010</u></p> <p><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: _____</p>	<p>4. Application or Patent Number(s). <input checked="" type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s): _____</p> <p>B. Patent No.(s): _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p align="center">BRINKS HOFER GILSON & LIONE PO BOX 10395 CHICAGO, IL 60610 Phone: (312) 321-4200 Fax: (312) 321-4299</p>	<p>6. Total no. of applications & patents involved: <u>1</u></p> <p>7. Total Fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><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)</p> <p>8. Payment Information:</p> <p>a. <input type="checkbox"/> Credit Card: Last 4 Numbers _____ Expiration Date _____</p> <p>b. <input checked="" type="checkbox"/> Charge fee and/or any Deficiencies to Deposit Account Number 23-1925 Authorized User Name: Brinks Hofer Gilson & Lione</p>
<p>9. Signature: <u>/Gustavo Siller, Jr./</u> <u>May 12, 2010</u></p> <p align="center">Signature Date</p> <p align="center"><u>Gustavo Siller, Jr.</u></p> <p align="center">Name of Person Signing Total no. of pages including coversheet, attachments and documents: <u>3</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

PATENT

Attorney Docket No. _____
 Client Reference No. 0714325US

ASSIGNMENT

WHEREAS, WE,

Chiwu DING
 Huawei Administration Building
 Bantian, Longgang District
 Shenzhen, 518129, Guangdong
 P.R. CHINA; and
 Jun CAI
 Huawei Administration Building
 Bantian, Longgang District
 Shenzhen, 518129, Guangdong
 P.R. CHINA.

Huaping QING
 Huawei Administration Building
 Bantian, Longgang District
 Shenzhen, 518129, Guangdong
 P.R. CHINA;
 Li ZENG
 Huawei Administration Building
 Bantian, Longgang District
 Shenzhen, 518129, Guangdong
 P.R. CHINA.

have invented and own a certain invention entitled:

METHOD AND APPARATUS FOR SENDING AND RECEIVING ETHERNET PHYSICAL-LAYER OAM OVERHEAD

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

PATENT

REEL: 024374 FRAME: 0384

05/05 2010 16:48 FAX

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

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 5 May 2010

Chiwu DING
Chiwu DING

Date 5/5/2010

Danfeng
Witness

Date 5. May. 2010.

Song Xiaolu
Witness

Date 5 May 2010

Huaping QING
Huaping QING

Date 5 May 2010

Dafeng Tian
Witness

Date 5 May 2010

Lei Shi
Witness

Date 5 May 2010

Jun CAI
Jun CAI

Date 5 May 2010

Li Kun
Witness

Date 5 May 2010

Hongli Jiang
Witness

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

Date 5. May 2010

Zeng Li
LI ZENG

Date 5/5/2010

Zeng Li
Witness

Date 5. May. 2010

Zeng Li
Witness