

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Guangyu Shi</td> <td>12/01/2008</td> </tr> <tr> <td>Hao Wu</td> <td>12/01/2008</td> </tr> <tr> <td>Jian Chen</td> <td>12/01/2008</td> </tr> <tr> <td>Hao Gong</td> <td>12/01/2008</td> </tr> </tbody> </table> | | Name | Execution Date | Guangyu Shi | 12/01/2008 | Hao Wu | 12/01/2008 | Jian Chen | 12/01/2008 | Hao Gong | 12/01/2008 |
| Name | Execution Date | | | | | | | | | | |
| Guangyu Shi | 12/01/2008 | | | | | | | | | | |
| Hao Wu | 12/01/2008 | | | | | | | | | | |
| Jian Chen | 12/01/2008 | | | | | | | | | | |
| Hao Gong | 12/01/2008 | | | | | | | | | | |
| 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" 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>12338309</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12338309 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12338309 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (312)616-5700 | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: | 312 616 5600 | | | | | | | | | | |
| Email: | email@leydig.com | | | | | | | | | | |
| Correspondent Name: | Leydig, Voit & Mayer, Ltd. | | | | | | | | | | |
| Address Line 1: | Two Prudential Plaza Suite 4900 | | | | | | | | | | |
| Address Line 2: | 180 North Stetson Avenue | | | | | | | | | | |
| Address Line 4: | Chicago, ILLINOIS 60601 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | HW704211 | | | | | | | | | | |
| NAME OF SUBMITTER: | John B. Conklin | | | | | | | | | | |

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Total Attachments: 2

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PATENT
Attorney Docket No. 704211
Client Reference No. 0810334US

Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6731

ASSIGNMENT

WHEREAS, WE,

Guangyu SHI

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

Hao WU

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

Jian CHEN

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

Hao GONG

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

have invented and own a certain invention entitled:

METHODS AND APPARATUSES FOR STORING AND MANAGING SUBSCRIBER DATA IN TELECOMMUNICATION NETWORK

for which invention We have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on Dec. 18, 2008, under U.S. Application No. 12/338,309 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

PATENT
REEL: 022003 FRAME: 0070

Attorney Docket No.
Client Reference No. 810334US

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 assignee and legal representatives of all parties hereto.

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

Date 2008/12/01

Guangyu Shi
Guangyu SHI

Date 2008/12/01

Youshui Long
Witness

Date 2008/12/01

Bobo Yin
Witness

Date 2008/12/01

Hao Wu
Hao WU

Date 2008/12/01

Youshui Long
Witness

Date 2008/12/01

Bobo Yin
Witness

Date 2008/12/01

Jian Chen
Jian CHEN

Date 2008/12/01

Youshui Long
Witness

Date 2008/12/01

Bobo Yin
Witness

Date 2008/12/01

Hao GONG
Hao GONG

Date 2008/12/01

Youshui Long
Witness

Date 2008/12/01

Bobo Yin
Witness