

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>Yuanzhang Liu</td> <td>06/27/2013</td> </tr> <tr> <td>Yinghui Guo</td> <td>06/27/2013</td> </tr> <tr> <td>Yongle Sun</td> <td>06/27/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Yuanzhang Liu | 06/27/2013 | Yinghui Guo | 06/27/2013 | Yongle Sun | 06/27/2013 |
| Name | Execution Date | | | | | | | | |
| Yuanzhang Liu | 06/27/2013 | | | | | | | | |
| Yinghui Guo | 06/27/2013 | | | | | | | | |
| Yongle Sun | 06/27/2013 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | Huawei Technologies Co. Ltd. | | | | | | | | |
| Street Address: | Huawei Administration Building, Bantian | | | | | | | | |
| Internal Address: | Longgang District, Guangdong | | | | | | | | |
| City: | Shenzhen | | | | | | | | |
| 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>13935751</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13935751 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 13935751 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | HW 82948760US04 | | | | | | | | |
| NAME OF SUBMITTER: | Shandy L. Sarchet | | | | | | | | |
| Signature: | /Shandy L. Sarchet/ | | | | | | | | |

Date:

07/05/2013

Total Attachments: 2

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PATENT

Attorney Docket No. _____
 Client Reference No. 82948760US04

ASSIGNMENT**WHEREAS, WE,**

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

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

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

have invented and own a certain invention entitled:
BACKUP METHOD AND BACKUP DEVICE FOR TCP CONNECTION
 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

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

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 June 27, 2013

Yuanzhang LIU
Yuanzhang LIU

Date June 27, 2013

Song GUO
Witness

Date June 27, 2013

Saoning LIANG
Witness

Date June 27, 2013

Yinghui GUO
Yinghui GUO

Date June 27, 2013

Lian XIANG
Witness

Date June 27, 2013

Haiteng ZHANG
Witness

Date June 27, 2013

Yongle SUN
Yongle SUN

Date June 27, 2013

Kai WANG
Witness

Date June 27, 2013

Jingjing ZHANG
Witness