

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2686290

| 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>BIN FENG</td> <td>11/27/2013</td> </tr> <tr> <td>CHENG HUANG</td> <td>11/29/2013</td> </tr> <tr> <td>XUEWEN GONG</td> <td>11/28/2013</td> </tr> </tbody> </table>                                                                                                                           |                                | Name          | Execution Date                | BIN FENG            | 11/27/2013                     | CHENG HUANG       | 11/29/2013                 | XUEWEN GONG | 11/28/2013 |                |       |              |        |
| Name                                                                                                                                                                                                                                                                                                                                                                                              | Execution Date                 |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| BIN FENG                                                                                                                                                                                                                                                                                                                                                                                          | 11/27/2013                     |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| CHENG HUANG                                                                                                                                                                                                                                                                                                                                                                                       | 11/29/2013                     |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| XUEWEN GONG                                                                                                                                                                                                                                                                                                                                                                                       | 11/28/2013                     |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| 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</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   | State/Country: | CHINA | Postal Code: | 518129 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                             | HUAWEI TECHNOLOGIES CO., LTD.  |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                   | Huawei Administration Building |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                                 | Bantian, Longgang District     |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| 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>14132863</td> </tr> </tbody> </table>                                                                                                                                                                                                                         |                                | Property Type | Number                        | Application Number: | 14132863                       |                   |                            |             |            |                |       |              |        |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                     | Number                         |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                               | 14132863                       |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                               |                                |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| <p>Fax Number: (972)731-2289</p> <p>Phone: 972-731-2288</p> <p>Email: dallaspatents@dfw.conleyrose.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: GRANT RODOLPH</p> <p>Address Line 1: 5601 GRANITE PARKWAY, SUITE 500</p> <p>Address Line 4: PLANO, TEXAS 75024-6616</p>                                           |                                |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                           | 4202-48600 (83604365US04)      |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                | GRANT RODOLPH                  |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                        | /Grant Rodolph/                |               |                               |                     |                                |                   |                            |             |            |                |       |              |        |

Date:

01/16/2014

**Total Attachments: 4**

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**PATENT**

Attorney Docket No. 4202-48600  
Client Reference No. 83604365US04

**ASSIGNMENT**

**WHEREAS, WE,**

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

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

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

have invented and own a certain invention entitled:  
**DISTRIBUTED STORAGE METHOD, APPARATUS, AND SYSTEM**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on December 18, 2013, under U.S. Application No. 14/132,863 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 Feng et al.  
Attorney Docket No. 4202-48600

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 <u>November 27, 2013</u> | <u>Bin FENG</u><br>Bin FENG     |
| Date <u>November 27, 2013</u> | <u>Jianming DONG</u><br>Witness |
| Date <u>November 27, 2013</u> | <u>Ting ZOU</u><br>Witness      |

|            |                      |
|------------|----------------------|
| Date _____ | _____<br>Cheng HUANG |
| Date _____ | _____<br>Witness     |
| Date _____ | _____<br>Witness     |

|            |                      |
|------------|----------------------|
| Date _____ | _____<br>Xuewen GONG |
| Date _____ | _____<br>Witness     |
| Date _____ | _____<br>Witness     |

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

Date \_\_\_\_\_  
Bin FENG

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

=====

Date Nov. 29 2013 Cheng Huang  
Cheng HUANG

Date Nov. 29 2013 Jiasheng Qu  
Witness

Date Nov. 29 2013 Jie Chen  
Witness

=====

Date \_\_\_\_\_  
Xuewen GONG

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

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Date \_\_\_\_\_  
Bin FENG

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Cheng HUANG

Date \_\_\_\_\_  
Witness

Date \_\_\_\_\_  
Witness

Date Nov 28, 2013  
Xuewen Gong  
Xuewen GONG

Date Nov 28, 2013  
Long Li  
Witness

Date Nov 28, 2013  
Li Dehan  
Witness