

## 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>Weiliang QU</td> <td>06/19/2013</td> </tr> <tr> <td>Wan ZHOU</td> <td>06/19/2013</td> </tr> </tbody> </table> |   | Name          | Execution Date | Weiliang QU         | 06/19/2013 | Wan ZHOU | 06/19/2013 |
| Name  | Execution Date  |               |                |                     |            |          |            |
| Weiliang QU   | 06/19/2013  |               |                |                     |            |          |            |
| Wan ZHOU  | 06/19/2013  |               |                |                     |            |          |            |
| RECEIVING PARTY DATA  |   |               |                |                     |            |          |            |
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| Postal Code:  | 310053  |               |                |                     |            |          |            |
| 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>13925565</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 13925565   |          |            |
| Property Type   | Number  |               |                |                     |            |          |            |
| Application Number:   | 13925565  |               |                |                     |            |          |            |
| CORRESPONDENCE DATA   |   |               |                |                     |            |          |            |
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| Signature:  | /Ashok K. Mannava/  |               |                |                     |            |          |            |
| Date:   | 06/25/2013  |               |                |                     |            |          |            |
| Total Attachments: 1<br>source=83169457-A#page1.tif   |   |               |                |                     |            |          |            |

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
3404 E. Harmony Road  
Mall Stop 35  
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83169457

**ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Hangzhou H3C Technologies Co., Ltd., a company having its principal place of business at Huawei Hangzhou Manufacturing Base, 310 Liuhe Road, Zhijiang Hi-Tech Park, Hangzhou Hi-Tech Industry Development Zone, Hangzhou, Zhejiang, 310053, China, (hereinafter H3C), and to its subsidiaries and affiliates, in furtherance of my/our obligations to H3C and its subsidiaries and affiliates, to assign and transfer to H3C, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

NODE SYSTEM ID CHANGE IN LINK STATE PROTOCOL NETWORK

Filing Date: June 24, 2013

Application No.: 13/925,565

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize H3C to file applications in my/our name for Patent in any country, to be held and enjoyed by H3C, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to H3C, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to H3C, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid H3C, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by H3C;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to H3C, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Weiliang Qu  
Inventor's Signature

06/19/2013  
Date

Weiliang Qu  
Inventor's Typed Name

Wan Zhou  
Inventor's Signature

06/19/2013  
Date

Wan Zhou  
Inventor's Typed Name