

## 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>William L. Wiley</td><td>06/22/2007</td></tr><tr><td>Michael K. Bugenhagen</td><td>06/22/2007</td></tr></tbody></table>  |  | Name          | Execution Date               | William L. Wiley    | 06/22/2007           | Michael K. Bugenhagen | 06/22/2007    |                |        |              |       |
| Name  | Execution Date   |               |                              |                     |                      |                       |               |                |        |              |       |
| William L. Wiley  | 06/22/2007   |               |                              |                     |                      |                       |               |                |        |              |       |
| Michael K. Bugenhagen   | 06/22/2007   |               |                              |                     |                      |                       |               |                |        |              |       |
| RECEIVING PARTY DATA  |  |               |                              |                     |                      |                       |               |                |        |              |       |
| <table border="1"><tr><td>Name:</td><td>Embarq Holdings Company, LLC</td></tr><tr><td>Street Address:</td><td>5454 W. 110th Street</td></tr><tr><td>City:</td><td>Overland Park</td></tr><tr><td>State/Country:</td><td>KANSAS</td></tr><tr><td>Postal Code:</td><td>66211</td></tr></table>                |  | Name:         | Embarq Holdings Company, LLC | Street Address:     | 5454 W. 110th Street | City:                 | Overland Park | State/Country: | KANSAS | Postal Code: | 66211 |
| Name:   | Embarq Holdings Company, LLC                               |               |                              |                     |                      |                       |               |                |        |              |       |
| Street Address:   | 5454 W. 110th Street                                       |               |                              |                     |                      |                       |               |                |        |              |       |
| City:   | Overland Park  |               |                              |                     |                      |                       |               |                |        |              |       |
| State/Country:  | KANSAS   |               |                              |                     |                      |                       |               |                |        |              |       |
| Postal Code:  | 66211  |               |                              |                     |                      |                       |               |                |        |              |       |
| 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>13750568</td></tr></tbody></table>  |  | Property Type | Number                       | Application Number: | 13750568             |                       |               |                |        |              |       |
| Property Type   | Number   |               |                              |                     |                      |                       |               |                |        |              |       |
| Application Number:   | 13750568   |               |                              |                     |                      |                       |               |                |        |              |       |
| CORRESPONDENCE DATA   |  |               |                              |                     |                      |                       |               |                |        |              |       |
| Fax Number: 2147581550<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i><br>Phone: (214) 758-1500<br>Email: shernandez@pattonboggs.com<br>Correspondent Name: Nam H. Huynh<br>Address Line 1: 2000 McKinney Avenue, Suite 1700<br>Address Line 4: Dallas, TEXAS 75201 |  |               |                              |                     |                      |                       |               |                |        |              |       |
| ATTORNEY DOCKET NUMBER:   | 024777.0220C4N1  |               |                              |                     |                      |                       |               |                |        |              |       |
| NAME OF SUBMITTER:  | Nam H. Huynh   |               |                              |                     |                      |                       |               |                |        |              |       |
|   | This document serves as an Oath/Declaration (37 CFR 1.63). |               |                              |                     |                      |                       |               |                |        |              |       |
| Total Attachments: 5<br>source=Assignment#page1.tif<br>source=Assignment#page2.tif<br>source=Assignment#page3.tif<br>source=Assignment#page4.tif<br>source=Assignment#page5.tif   |  |               |                              |                     |                      |                       |               |                |        |              |       |

OP \$40.00 13750568

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PATENT  
REEL: 029696 FRAME: 0519

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, 2007, by William L. Wiley and Michael K. Bugenhagen (hereinafter referred to as Assignors), residing at 6510 W. 144th Street, Overland Park, Kansas 66223; and 12186 S. Sagebrush Drive, Olathe, Kansas 66061, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in SYSTEM AND METHOD FOR RESTRICTING ACCESS TO NETWORK PERFORMANCE INFORMATION TABLES, set forth in a Patent application for Letters Patent of the United States, already filed on May 31, 2007 as U.S. Application No. 11/809,400; and

**WHEREAS**, Embarq Holdings Company, LLC, organized under and pursuant to the laws of Delaware, having its principal place of business at 5454 W. 110th Street, Overland Park, Kansas 66211 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these

presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

PATTON BOGGS LLP

All practitioners at Customer Number 44124

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 6-22-07

Signature: William L. Wiley  
William L. Wiley

Date: 6-22-2007

Signature: Michael K. Bugenhagen  
Michael K. Bugenhagen

# Delaware

PAGE 1

*The First State*

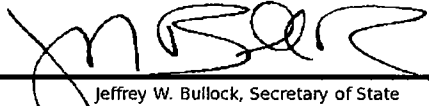
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "EMBARQ HOLDINGS COMPANY, LLC", CHANGING ITS NAME FROM "EMBARQ HOLDINGS COMPANY, LLC" TO "CENTURYLINK INTELLECTUAL PROPERTY LLC", FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF MARCH, A.D. 2012, AT 5:57 O'CLOCK P.M.

4060765 8100

120351021

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 9459004

DATE: 03-26-12


PATENT  
REEL: 029696 FRAME: 0523

CERTIFICATE OF AMENDMENT  
OF THE  
EMBARQ HOLDINGS COMPANY, LLC

1. The name of the limited liability company is Embarq Holdings Company, LLC.
2. The Certificate of Formation of the limited liability company is hereby amended as follows:  
  
    **"FIRST: The name of the limited liability company (the "Company") is:  
    CenturyLink Intellectual Property LLC"**

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Amendment  
of Embarq Holdings Company, LLC this 23rd day of March, 2012.

EMBARQ HOLDINGS COMPANY, LLC

  
\_\_\_\_\_  
Kay Buchart, Secretary