

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4860270

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL J. FARGANO	04/03/2015
CHARLES I. COOK	04/06/2015
KEVIN M. MCBRIDE	06/12/2015
WILLIAM O'BRIEN	06/11/2015
JOHN MCMANUS	07/06/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CENTURYLINK INTELLECTUAL PROPERTY LLC
<b>Street Address:</b>	931 14TH STREET, SUITE 900
<b>City:</b>	DENVER
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80202
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15915932
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)268-0065
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	303-268-0066
<b>Email:</b>	phealy@sbiplaw.com
<b>Correspondent Name:</b>	SWANSON & BRATSCUN, L.L.C.
<b>Address Line 1:</b>	8210 SOUTHPARK TERRACE
<b>Address Line 4:</b>	LITTLETON, COLORADO 80120
<b>ATTORNEY DOCKET NUMBER:</b>	020370-016410US
<b>NAME OF SUBMITTER:</b>	ERIC CHEONG, #75,236
<b>SIGNATURE:</b>	/Eric Cheong/
<b>DATE SIGNED:</b>	03/09/2018
<b>Total Attachments: 5</b>	
source=Assignment from parent for 020370-016410US#page1.tif	

source=Assignment from parent for 020370-016410US#page2.tif  
source=Assignment from parent for 020370-016410US#page3.tif  
source=Assignment from parent for 020370-016410US#page4.tif  
source=Assignment from parent for 020370-016410US#page5.tif

**ASSIGNMENT**

WHEREAS, the undersigned inventor(s) (referred to, collectively, if more than one, as "Assignor") have made an invention entitled **Network Functions Virtualization Interconnection Gateway** for which an application for United States Letters Patent was filed on **April 3, 2015** as Application Serial No. **14/678,208**, and

WHEREAS, **CenturyLink Intellectual Property LLC, a Delaware Corporation** ("Assignee") having a place of business at **1801 California Street, Suite 900, Denver, CO 80202**, desires to acquire all right, title and interest in and to the above identified invention and application;

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the above identified invention and application, together with all corresponding international and foreign applications and patents which may be filed thereon, including the right to claim priority from the above identified United States application; and Assignor hereby agrees that Assignor will sign all lawful papers, including, without limitation, all divisional, continuation, renewal, extension and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the invention in all countries, this obligation to be binding upon Assignor (each and severally, if more than one) and upon Assignor's personal representative or other legal successor.

IN TESTIMONY WHEREOF, the undersigned Assignor (and each of them, if more than one) has signed below.

Date: 4/3/2015

Address:

  
\_\_\_\_\_  
Michael J. Fargano  
909 Sunflower Street  
Louisville, CO 80027

Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
Charles I. Cook  
182 Cherrywood Lane  
Louisville, CO 80027

**ASSIGNMENT**

WHEREAS, the undersigned inventor(s) (referred to, collectively, if more than one, as "Assignor") have made an invention entitled **Network Functions Virtualization Interconnection Gateway** for which an application for United States Letters Patent was filed on **April 3, 2015** as Application Serial No. **14/678,208**, and

WHEREAS, **CenturyLink Intellectual Property LLC**, a **Delaware Corporation** ("Assignee") having a place of business at **1801 California Street, Suite 900, Denver, CO 80202**, desires to acquire all right, title and interest in and to the above identified invention and application;

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the above identified invention and application, together with all corresponding international and foreign applications and patents which may be filed thereon, including the right to claim priority from the above identified United States application; and Assignor hereby agrees that Assignor will sign all lawful papers, including, without limitation, all divisional, continuation, renewal, extension and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the invention in all countries, this obligation to be binding upon Assignor (each and severally, if more than one) and upon Assignor's personal representative or other legal successor.

IN TESTIMONY WHEREOF, the undersigned Assignor (and each of them, if more than one) has signed below.

Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
Michael J. Fargano  
909 Sunflower Street  
Louisville, CO 80027

Date: April 6, 2015

Address:

\_\_\_\_\_  
Charles I. Cook  
182 Cherrywood Lane  
Louisville, CO 80027

Date: JUNE 12, 2015

Address:

  
Kevin M. McBride  
10126 Bluffmont Lane  
Lone Tree, CO 80124

Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
William O'Brien Jr.  
3527 S. Joplin Street  
Aurora, CO 80013

Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
John McManus  
10982 E. Powers Drive  
Englewood, CO 80111

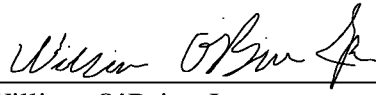
Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
Kevin M. McBride  
10126 Bluffmont Lane  
Lone Tree, CO 80124

Date: 6-11-2015

Address:

\_\_\_\_\_  
  
William O'Brien Jr.  
3527 S. Joplin Street  
Aurora, CO 80013

Date: \_\_\_\_\_

Address:

\_\_\_\_\_  
John McManus  
10982 E. Powers Drive  
Englewood, CO 80111

Date: \_\_\_\_\_

Address:

Kevin M. McBride  
10126 Bluffmont Lane  
Lone Tree, CO 80124


Date: \_\_\_\_\_

Address:

William O'Brien Jr.  
3527 S. Joplin Street  
Aurora, CO 80013

Date: 7/6/2015

Address:

  
John McManus  
10982 E. Powers Drive  
Englewood, CO 80111

S:\Client\Folders\0438 (Qwest)\020370\016400\US Assignment.docx