

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4182119

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KELLY R. CROSBY	07/13/2012
BENJAMIN W. GARRARD	09/25/2012
JEFF KING	07/19/2012
SCOTT A. NUSZ	09/11/2012
MONISHA MERCHANT	07/23/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LEVEL 3 COMMUNICATIONS, LLC
<b>Street Address:</b>	1025 ELDORADO BLVD.
<b>City:</b>	BROOMFIELD
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80021
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15376266
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(720)888-5619
<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>Email:</b>	kathleen.mcinnish@level3.com
<b>Correspondent Name:</b>	JONATHAN C. SIEKMANN
<b>Address Line 1:</b>	1025 ELDORADO BLVD.
<b>Address Line 4:</b>	BROOMFIELD, COLORADO 80021
<b>ATTORNEY DOCKET NUMBER:</b>	0389-US-C1
<b>NAME OF SUBMITTER:</b>	JONATHAN C. SIEKMANN
<b>SIGNATURE:</b>	/Jonathan C. Siekmann/
<b>DATE SIGNED:</b>	12/13/2016
<b>Total Attachments: 7</b>	
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## ASSIGNMENT

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WHEREAS, we, Kelly R. Crosby, residing at 2080 Birch Street, Denver, CO 80207, Benjamin W. Garrard, residing at 2205 Keota Lane, Superior, CO 80027, Jeff King, residing at 14857 Falcon Drive, Broomfield, CO 80023, Scott A. Nusz, residing at 2610 Creekside Court Broomfield, CO 80023 and Monisha Merchant, residing at 6148 W. Pacific Circle, Lakewood, CO 80227, (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful inventions for which a non-provisional patent application for Letters Patent has been prepared for filing with the United States Patent and Trademark Office having application no. 13/468,912, filed May 10, 2012, entitled "APPARATUS, SYSTEM AND METHOD ORDERING AND PROVISIONING VARIABLE BANDWIDTH CAPACITY ON A NETWORK," and having Attorney Docket No. 0389-US-U1.

NOW THEREFORE, for good and valuable consideration receipt and sufficiency of which is acknowledged, Assignor has agreed to assign and transfer and does hereby assign and transfer unto **Level 3 Communications, LLC** ("Assignee"), a limited liability company organized and existing under the laws of the State of Delaware, having its principal office at 1025 Eldorado Boulevard, Broomfield, Colorado 80021, its successors and assigns, the entire right, title, and interest in and to said invention and applications, and in and to any application from which said application claims priority (including, but not limited to, provisional application no. 61/484,618, entitled "ORDERING AND PROVISIONING OF NETWORK SERVICES", and having attorney docket no. 0389-US-P1), any divisional or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by Assignor (provided any such improvement is made during, or within one year after the termination, of the employment by said Company of Assignor), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in the United States of America and all foreign countries in its own name and any priority rights for such United States of America and foreign applications to which such applications or the Assignor are entitled under international conventions, treaties, or otherwise which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

Assignor further agrees for Assignor and for Assignor's heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as Assignor lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid to obtain to maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known;

Assignor hereby acknowledges that Assignee's internal and external counsel have represented only Assignee and will continue to represent only Assignee with respect to this invention;

Assignor hereby acknowledges an obligation of assignment and transfer of this invention to Assignee at the time the invention was made; and

Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to said Company, as the assignee of the entire right, title, and interest therein.

Assignor and Assignee hereby agree that this assignment is governed by the laws of the state of Colorado of the United States of America and subject to the non-exclusive jurisdiction of the courts of the state of Colorado of the United States of America.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

By:

Kelly R. Crosby

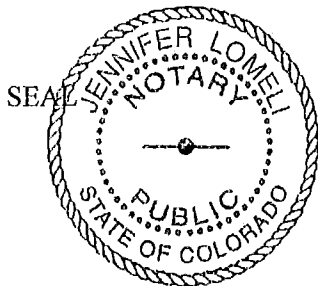
Dated:

7/13/12

STATE OF Colorado )  
CITY OF Broomfield ) ss.  
COUNTY OF Broomfield

Before me, a Notary Public in and for said County and State, personally appeared Kelly R. Crosby, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13<sup>th</sup> day of July, 2012.



Jennifer Lomeli  
Notary Public

My Commission Expires:

11/10/13

By:

Benjamin W. Garrard

Dated:

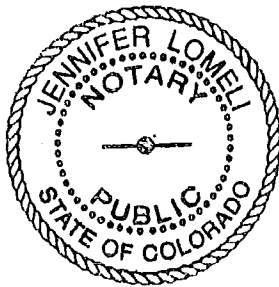
9/25/2012

STATE OF Colorado )  
CITY OF Eximfield ) ss.  
COUNTY OF Eximfield )

Before me, a Notary Public in and for said County and State, personally appeared Benjamin W. Garrard, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 25 day of September, 2012.

SEAL



Jennifer Lomeli  
Notary Public

My Commission Expires: 1/16/13

By:

Jeff King

Dated: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
CITY OF \_\_\_\_\_ ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public in and for said County and State, personally appeared Jeff King, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

SEAL

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

By: Benjamin W. Garrard

Dated: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
CITY OF \_\_\_\_\_ ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public in and for said County and State, personally appeared Benjamin W. Garrard, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

SEAL

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

By: Jeff King  
Jeff King

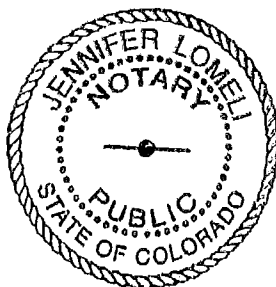
Dated: 7/19/12

STATE OF Colorado )  
CITY OF Broomfield ) ss.  
COUNTY OF Broomfield )

Before me, a Notary Public in and for said County and State, personally appeared Jeff King, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 19 day of July, 2012.

SEAL



Jennifer Lomeli  
Notary Public

My Commission Expires: 11/10/13

By:

Scott A. Nusz

Dated:

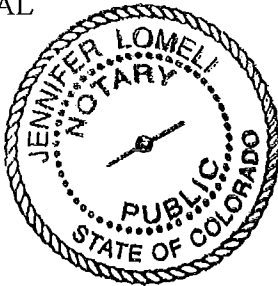
9/11/12

STATE OF Colorado )  
CITY OF Boulder ) ss.  
COUNTY OF Boulder

Before me, a Notary Public in and for said County and State, personally appeared Scott A. Nusz, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 11 day of September, 2012.

SEAL



Notary Public

My Commission Expires: 11/16/13

By:

Monisha Merchant

Dated:

STATE OF )  
CITY OF ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared Monisha Merchant, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_ day of \_\_\_\_\_, 2012.

SEAL

Notary Public

My Commission Expires: \_\_\_\_\_

By: \_\_\_\_\_  
Scott A. Nusz

Dated: \_\_\_\_\_

STATE OF )  
CITY OF ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared Scott A. Nusz, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_ day of \_\_\_\_\_, 2012.

SEAL

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

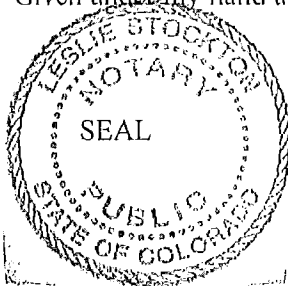
By: Monisha Merchant  
Monisha Merchant

Dated: July 23, 2012

STATE OF )  
CITY OF ) ss.  
COUNTY OF )

Before me, a Notary Public in and for said County and State, personally appeared Monisha Merchant, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 23rd day of July, 2012.



Leslie Stockton  
Notary Public

My Commission Expires: 1/5/2013

3144008.1



IN WITNESS WHEREOF, the Assignee hereunto has executed this Assignment upon the date indicated below.

By: [Signature]  
David Wier duly authorised for and on behalf of  
Level 3 Communications, LLC

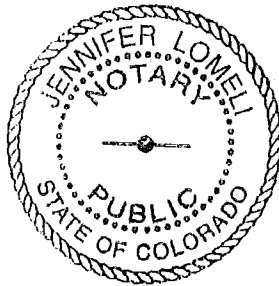
Dated: 7/24/12

STATE OF Colorado )  
CITY OF Bramfield ) ss.  
COUNTY OF Bramfield

Before me, a Notary Public in and for said County and State, personally appeared David Wier, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 21 day of July, 2012.

SEAL



[Signature]  
Notary Public

My Commission Expires: 11/16/13