

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAUREL CLARK	06/22/2021
CLYDE DAVID COOPER III	06/21/2021
ANDREW DUGAN	06/21/2021
RECEIVING PARTY DATA	
Name:	LEVEL 3 COMMUNICATIONS, LLC
Street Address:	1025 ELDORADO BOULEVARD
City:	BROOMFIELD
State/Country:	COLORADO
Postal Code:	80021
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	16798135
Application Number:	16798173
Application Number:	62915587
Application Number:	62809128
CORRESPONDENCE DATA	
Fax Number:	
<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>	
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Correspondent Name:	LEVEL 3 COMMUNICATIONS, LLC
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ATTORNEY DOCKET NUMBER:	0675-US-U1.U2
NAME OF SUBMITTER:	JANAE ALLABASTRO
SIGNATURE:	/Janae Allabastro/
DATE SIGNED:	06/22/2021
Total Attachments: 4	
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PATENT

REEL: 056624 FRAME: 0556

ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignors/Inventors:

Name of Assignor: **Laurel Clark**
City and State of Residence: **Denver, Colorado, USA**

Name of Assignor: **Clyde David Cooper III**
City and State of Residence: **Louisville, Colorado, USA**

Name of Assignor: **Andrew Dugan**
City and State of Residence: **Superior, Colorado, USA**

Assignee:

Level 3 Communications, LLC
1025 Eldorado Boulevard
Broomfield, Colorado 80021

PATENT APPLICATIONS SUBJECT TO THE ASSIGNMENT (the "Applications"):

U.S. Nonprovisional Patent Application No.: **16/798,135**
Filing Date: **February 21, 2020**
Title: **DYNAMIC OPTICAL SWITCHING IN A TELECOMMUNICATIONS NETWORK**
Attorney Docket No. **0675-US-U1**

U.S. Nonprovisional Patent Application No.: **16/798,173**
Filing Date: **February 21, 2020**
Title: **DYNAMIC OPTICAL SWITCHING IN A TELECOMMUNICATIONS NETWORK**
Attorney Docket No. **0675-US-U2**

WHEREAS, Assignors have invented certain new and useful inventions (the "Invention") for which the Application has been prepared for filing with the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is acknowledged, Assignors have agreed to assign and transfer and do hereby assign and transfer unto Assignee, its successors and assigns, the entire right, title, and interest in and to the Invention and the Applications, including any provisional or non-provisional application to which the Applications claim priority, including but not limited to U.S. patent application nos. 62/915,587 and 62/809,128, and in and to any United States of America and foreign applications that claim priority to the Applications, any divisional or continuation (in whole or in part) of the Applications, and in and to any and all improvements in the Invention made by Assignors (provided any such improvement is made during, or within one year after the termination of the employment of Assignors by Assignee), 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 Assignors 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, and any and all rights to collect past damages for infringement of any and all Letters Patent of the United States and countries and regions foreign thereto which may be published, to be held and enjoyed as fully and exclusively as they would have been by the Assignors had this assignment and transfer not been made;

Assignors further agree for Assignors and for Assignors' heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as Assignors lawfully may, that may be deemed necessary by said Assignee, 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;

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

Assignors hereby acknowledge that Assignee's internal and external counsel have represented only Assignee and will continue to represent only Assignee with respect to the Invention;

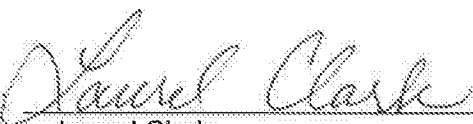
Assignors hereby acknowledge an obligation of assignment and transfer of the Invention and Applications to Assignee at the time the Invention was made; and

Assignors hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the Applications, to Assignee, as the assignee of the entire right, title, and interest therein.

Assignors 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.

Date: 6/22/21

By: 
Laurel Clark

Date: _____

By: _____
Clyde David Cooper III

Date: _____

By: _____
Andrew Dugan

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

Date: _____

By: _____
Laurel Clark

Date: June 21, 2021

By: Clyde David Cooper III
Clyde David Cooper III

Date: June 21, 2021

By: Andrew Dugan
Andrew Dugan