

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7156159

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES ROBERTS	11/19/2019
RECEIVING PARTY DATA	
Name:	LEVEL 3 COMMUNICATIONS, LLC
Street Address:	1025 ELDORADO BOULEVARD
City:	BROOMFIELD
State/Country:	COLORADO
Postal Code:	80021
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16686705
Application Number:	62768574
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	0660-US-U1
NAME OF SUBMITTER:	JANAE ALLABASTRO
SIGNATURE:	/Janae Allabastro/
DATE SIGNED:	02/02/2022
Total Attachments: 3	
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ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignors/Inventors:

Name of Assignor: **James Roberts**
City and State of Residence: **Broomfield, Colorado, USA**

Name of Assignor: **Masum C. Muttalib**
City and State of Residence: **Denver, Colorado, USA**

Assignee:

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

PATENT APPLICATIONa SUBJECT TO THE ASSIGNMENT (the "Applicationa"):

U.S. Nonprovisional Patent Application No.: **16/686,705**
Filing Date: **November 18, 2019**
Title: **TELECOMMUNICATIONS INFRASTRUCTURE SYSTEM AND METHOD**
Attorney Docket No. **0660-US-U1**

U.S. Provisional Patent Application No.: **62/768,574**
Filing Date: **November 16, 2018**
Title: **TELECOMMUNICATIONS INFRASTRUCTURE SYSTEM AND METHOD**
Attorney Docket No. **0660-US-P1**

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 including at least US\$1, the receipt and sufficiency of which is acknowledged, Assignors have agreed to assign and transfer and do hereby assign and transfer unto the Assignee identified above, its successors and assigns, the entire right, title, and interest in and to said invention and the Applications, including any provisional application or non-provisional application to which the Application claims priority, in and to any United States of America and foreign applications that claim priority to the Applications, Patent Cooperation Treaty applications claiming priority to the Applications or including the same docketing prefix of 0660 and any national phase applications or patents claiming priority to such Patent Cooperation Treaty applications, convention applications, treaty applications, and regional 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;

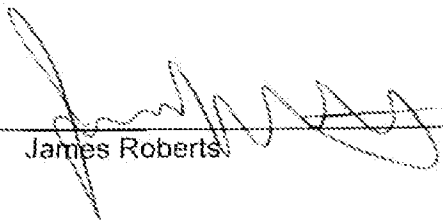
Assignors hereby acknowledge an obligation of assignment and transfer of the Invention and Applications to Assignee at the time the Invention was made; and

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: Nov 19, 2019

By: 
James Roberts

Date: _____

By: _____
Masum C. Muttalib