

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5103340

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DORIN VIOREL	08/13/2018
	JENNIFER ANDREOLI-FANG	08/14/2018
RECEIVING PARTY DATA		
Name:	CABLE TELEVISION LABORATORIES, INC	
Street Address:	858 COAL CREEK CIRCLE	
City:	LOUISVILLE	
State/Country:	COLORADO	
Postal Code:	80027	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15148260
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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Address Line 1:	7700 FORSYTH BLVD.	
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ATTORNEY DOCKET NUMBER:	60909NP	
NAME OF SUBMITTER:	JOSH C. SNIDER	
SIGNATURE:	/Josh C. Snider/	
DATE SIGNED:	08/22/2018	
Total Attachments: 2		
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WORLDWIDE ASSIGNMENT

WHEREAS, I,

Dorin VIOREL, a citizen of **CANADA**, having a residence in
Erie, CO

Jennifer ANDREOLI-FANG, a citizen of the **UNITED STATES**, having a residence in
Boulder, CO

(hereinafter "**ASSIGNOR**"), have made an invention entitled "**SYSTEM AND METHOD FOR FAST RELAY FOR BANDWIDTH ALLOCATION SIGNALING**" as set forth and described in U.S. Application No. **15/148,260**, filed **May 06, 2016**, and United States Provisional Application No. **62/249,431**, filed **November 2, 2015**, and

WHEREAS, **CABLE TELEVISION LABORATORIES, INC** (hereinafter "**ASSIGNEE**"), having its principal place of business at **858 COAL CREEK CIRCLE, LOUISVILLE, CO 80027**, is desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said **ASSIGNOR**, for and in consideration of valuable considerations unto us moving from said **ASSIGNEE**, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to the said invention entitled "**SYSTEM AND METHOD FOR FAST RELAY FOR BANDWIDTH ALLOCATION SIGNALING**" and any and all improvements thereto, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND I, the said **ASSIGNOR**, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said **ASSIGNEE**, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ASSIGNEE**, its successors and assigns;

AND I, the said **ASSIGNOR**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that I, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and assigns, may be required or necessary more effectively to secure to and vest in said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

AND I, the said **ASSIGNOR**, hereby authorize and request the attorneys of **ARMSTRONG TEASDALE LLP** to insert in the spaces provided above, the title of the invention, filing date, application number, and attorney's docket number of said application when known.

IN WITNESS WHEREOF, I, the said **ASSIGNOR**, have executed this Assignment on
August 13, 2018 | 5:14 PM MDT

DocuSigned by:
Dorin Viorol
180F677D624144F...

Dorin VIOREL

IN WITNESS WHEREOF, I, the said **ASSIGNOR**, have executed this Assignment on
August 14, 2018 | 9:21 AM MDT

DocuSigned by:
Jennifer Andreoli-Fang
A39DC974A98E441...

Jennifer ANDREOLI-FANG