

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THOMAS HOLTZMAN WILLIAMS	11/20/2019
BELAL HAMZEH	11/18/2019
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:	16876321
CORRESPONDENCE DATA	
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<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:	858 COAL CREEK CIRCLE
Address Line 4:	LOUISVILLE, COLORADO 80027
ATTORNEY DOCKET NUMBER:	61139CIP1CON
NAME OF SUBMITTER:	PAMELA CALDERWOOD
SIGNATURE:	/Pamela Calderwood/
DATE SIGNED:	09/24/2020
Total Attachments: 2	
source=61139CIP1(61387) (35930-143) Assignment signed#page1.tif	
source=61139CIP1(61387) (35930-143) Assignment signed#page2.tif	

WORLDWIDE ASSIGNMENT

WHEREAS, WE,

Thomas Holtzman Williams, a citizen of the **UNITED STATES**, having a residence in **Longmont, CO**

Belal Hamzeh, a citizen of the **UNITED STATES**, having a residence in **Westminster, CO**

(hereinafter “**ASSIGNORS**”), have made a contribution to an invention entitled “**SYSTEMS AND METHODS FOR FULL DUPLEX AMPLIFICATION**” as set forth and described in U.S. Application No. **16/663,100**, filed **October 24, 2019**. U.S. Application No. **16/663,100** is a continuation in part of U.S. Patent Application Serial No. **16/177,428**, filed **November 1, 2018**, which prior application claims the benefit of and priority to U.S. Provisional Patent Application Ser. No. **62/579,648**, filed **October 31, 2017**. U.S. Application No. **16/663,100** additionally claims the benefit of and priority to U.S. Provisional Patent Application Ser. No. **62/749,774**, filed **October 24, 2018**, 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 we, the said **ASSIGNORS**, 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 “**SYSTEMS AND METHODS FOR FULL DUPLEX AMPLIFICATION**” 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 WE, the said **ASSIGNORS**, 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 WE, the said **ASSIGNORS**, 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 we, 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 WE, the said **ASSIGNORS**, 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

November 20, 2019 | 8:01 AM MST

DocuSigned by:
Thomas H. Williams
71E74AD9300C409...
Thomas Holtzman Williams

IN WITNESS WHEREOF, I, the said **ASSIGNOR**, have executed this Assignment on

November 18, 2019 | 9:21 AM PST

DocuSigned by:
Belal Hamzeh
9D274457E0A840D...
Belal Hamzeh