

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BELAL HAMZEH	03/10/2016
THOMAS H. WILLIAMS	03/10/2016
DANIEL RICE	03/15/2016
LUIS ALBERTO CAMPOS	03/10/2016
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Property Type	Number
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SIGNATURE:	/Gregory Fettig/
DATE SIGNED:	03/21/2016
Total Attachments: 2	
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ASSIGNMENT OF PATENT APPLICATION

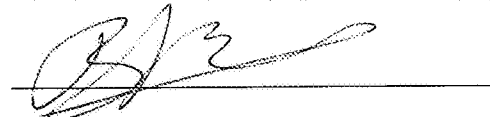
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Belal Hamzeh, Thomas H. Williams, Daniel Rice, and Luis Alberto Campos hereby sell, assign and transfer to Cable Television Laboratories, Inc., a non-stock membership corporation of the State of Delaware, having an office at 858 Coal Creek Circle, Louisville, CO 80027, United States of America, and its successors, assigns and legal representatives (collectively "Assignee"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an Letters Patent of the United States of America entitled **HYBRID FULL DUPLEX COMMUNICATIONS IN A RADIO FREQUENCY CABLE NETWORK** and assigned attorney docket number **60900** and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

I/We agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions in any and all countries and for vesting title thereto in Assignee.

I/We authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own name in any and all countries, and to invoke and claim for any application for patent or other form of protection for the Inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization.

I/We hereby consent that a copy of this Assignment Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection for the Inventions and to claim the aforesaid benefit of the right of priority.

IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.



Inventor's Signature

Belal Hamzeh

Inventor's Printed Name

3.10.16

DATE



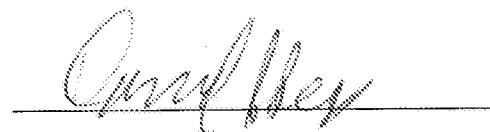
Inventor's Signature

Thomas H. Williams

Inventor's Printed Name

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Daniel Rice

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Alberto Campos

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