

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas H. Reed</td> <td>08/06/2013</td> </tr> <tr> <td>Eric D. Hybertson</td> <td>08/06/2013</td> </tr> <tr> <td>Edward P. Galt III</td> <td>08/07/2013</td> </tr> <tr> <td>Edmund Knufinke</td> <td>08/06/2013</td> </tr> <tr> <td>Robert D. Taylor</td> <td>08/05/2013</td> </tr> <tr> <td>Milash James</td> <td>08/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Thomas H. Reed	08/06/2013	Eric D. Hybertson	08/06/2013	Edward P. Galt III	08/07/2013	Edmund Knufinke	08/06/2013	Robert D. Taylor	08/05/2013	Milash James	08/06/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Time Warner Cable Enterprises LLC</td> </tr> <tr> <td>Street Address:</td> <td>60 Columbus Circle</td> </tr> <tr> <td>City:</td> <td>New York</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10023</td> </tr> </table>		Name:	Time Warner Cable Enterprises LLC	Street Address:	60 Columbus Circle	City:	New York	State/Country:	NEW YORK	Postal Code:	10023				
Name:	Time Warner Cable Enterprises LLC														
Street Address:	60 Columbus Circle														
City:	New York														
State/Country:	NEW YORK														
Postal Code:	10023														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13962348</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13962348										
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Application Number:	13962348														
CORRESPONDENCE DATA															
Fax Number:	5086169661														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	508-616-9660														
Email:	docket@chapin-ip-law.com														
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ATTORNEY DOCKET NUMBER:	TWC13-14(13-35A)														

OP \$40.00 13962348

NAME OF SUBMITTER:	Paul P. Kriz
Signature:	/Paul P. Kriz/
Date:	08/08/2013
Total Attachments: 8 source=TW13-14_13-35A_Executed_Asg#page1.tif source=TW13-14_13-35A_Executed_Asg#page2.tif source=TW13-14_13-35A_Executed_Asg#page3.tif source=TW13-14_13-35A_Executed_Asg#page4.tif source=TW13-14_13-35A_Executed_Asg#page5.tif source=TW13-14_13-35A_Executed_Asg#page6.tif source=TW13-14_13-35A_Executed_Asg#page7.tif source=TW13-14_13-35A_Executed_Asg#page8.tif	

ASSIGNMENT

WHEREAS, we, Thomas H. Reed, Eric D. Hybertson, Edward P. Galt, III, Edmund Knufinke, Robert D. Taylor, and Milash James have invented a certain improvement in **TUNING EFFICIENCY AND DELIVERY OF CONTENT** described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on _____ as U.S. Application No. _____;
- was patented under U.S. Patent No. _____ on _____.

WHEREAS, Time Warner Cable Enterprises LLC, (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Delaware and having a usual place of business at 60 Columbus Circle, New York, NY 10023, desires to acquire an interest therein in accordance with agreements duly entered into with US;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and the date set forth below.

Date: 8/6/13


Inventor's Signature

Print full name of first inventor:

Thomas H. Reed

Residence:

1995 E. Coalton Road, #75-201
Superior, CO 80027

Citizenship:

United States

Mailing Address:

Same as above

Date: 8/6/13


Witness' Signature

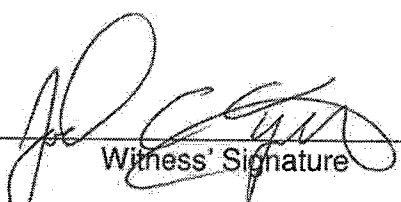
Print full name of Witness:

DEAN OSBORNE

Residence:

THORNTON, CO

Date: 08/06/2013


Witness' Signature

Print full name of Witness:

JOEL TYUS

Residence:

CENTENNIAL, CO

Date: 8/6/2013



Inventor's Signature

Print full name of first inventor:

Eric D. Hybertson

Residence:

3538 Larkspur Drive
Longmont, CO 80503

Citizenship:

United States

Mailing Address:

Same as above

Date: 8/6/13



Witness' Signature

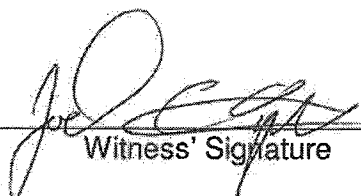
Print full name of Witness:

DEAN OSBORNE

Residence:

THOENTON, CO

Date: 08/06/2013



Witness' Signature

Print full name of Witness:

JOE TRUS

Residence:

CENTENNIAL, CO

Date: August 7, 2013

Edward P. Galt, III
Inventor's Signature

Print full name of first inventor:

Edward P. Galt, III

Residence:

4886 Hopkins Pl.
Boulder, CO 80301

Citizenship:

United States

Mailing Address:

Same as above

Date: 8/7/2013

Pierce N. Douglas
Witness' Signature

Print full name of Witness:

Pierce N. Douglas

Residence:

918 Benson Ln, Fort Collins, CO 80525

Date: 8/7/2013

William M. Martin III
Witness' Signature

Print full name of Witness:

William M. Martin III

Residence:

5925 S. Vine St. GV CO 80121

Date: August 6, 2013


Inventor's Signature

Print full name of first inventor:

Edmund Knufinke

Residence:

1310 West 13th Ave
Broomfield, CO 80020

Citizenship:

United States

Mailing Address:

Same as above

Date: 8/6/13

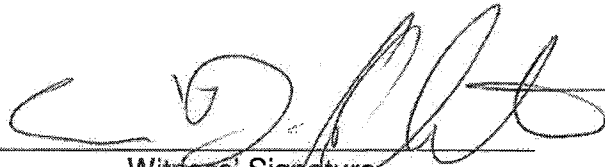

Witness' Signature

Print full name of Witness:

Thomas H Reed
Boulder, CO

Residence:

Date: 8/8/2013


Witness' Signature

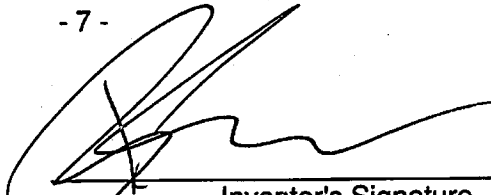
Print full name of Witness:

Eric D. Hybertson
Longmont, CO

Residence:

Date:

8/5/13



Inventor's Signature

Print full name of first inventor:

Robert D. Taylor

Residence:

830 13th St
Boulder, CO 80302

Citizenship:

United States

Mailing Address:

Same as above

JASMIN M SCATURRO
NOTARY PUBLIC-STATE OF NEW YORK
No. 01SC6235858
Qualified in Kings County
My Commission Expires February 14, 2015

Date:

8/5/13



Witness' Signature

Print full name of Witness:

1831 83rd Street, Apt 3A
Brooklyn, NY 11214

Residence:

Date: _____

Witness' Signature

Print full name of Witness:

Residence:

Date: 8/6/2013



Inventor's Signature

Print full name of first inventor:

Milash James

Residence:

200 Summit Blvd, Unit 306
Broomfield, CO 80021

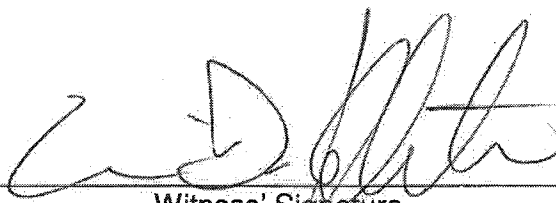
Citizenship:

India

Mailing Address:

Same as above

Date: 8/6/2013



Witness' Signature

Print full name of Witness:

Eric D. Hybertson

Residence:

Longmont, CO

Date: 8/6/13



Witness' Signature

Print full name of Witness:

Thomas H. Reed

Residence:

Boulder, CO