

## PATENT ASSIGNMENT

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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>Matthew Osminer</td> <td>01/04/2013</td> </tr> <tr> <td>James C. Stark</td> <td>01/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Matthew Osminer	01/04/2013	James C. Stark	01/04/2013				
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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										
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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>13735191</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13735191						
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CORRESPONDENCE DATA											
<p>Fax Number: 5086169661  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 508-616-9660        Email: docket@chapin-ip-law.com        Correspondent Name: BARRY W. CHAPIN, CHAPIN IP LAW, LLC        Address Line 1: 352 Turnpike Road        Address Line 2: Suite 110        Address Line 4: Southborough, MASSACHUSETTS 01772</p>											
ATTORNEY DOCKET NUMBER:	TWC12-22(12-51)										
NAME OF SUBMITTER:	Paul P. Kriz										
<p>Total Attachments: 8        source=TWC12-22_12-51_Assignment-JOINT#page1.tif        source=TWC12-22_12-51_Assignment-JOINT#page2.tif</p>											

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**ASSIGNMENT**

**WHEREAS**, we, Matthew Osminer, and James C. Stark, have invented a certain improvement in **CONTENT SELECTION AND PLAYBACK IN A NETWORK ENVIRONMENT** 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: 1/4/2013

  
\_\_\_\_\_  
Inventor's Signature

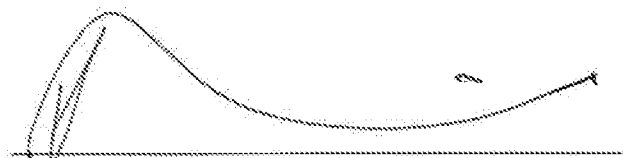
Print full name of first inventor: Matthew Osminer  
Residence: 1624 Daily Drive  
Erie, CO 80516  
Citizenship: US  
Mailing Address: Same as above

Date: 1/4/2013

  
\_\_\_\_\_  
Witness' Signature

Print full name of Witness: Michael D. Lunden  
5088 E. 118<sup>th</sup> Place  
Thornton, CO 80233

Date: 1/4/2013

  
\_\_\_\_\_  
Witness' Signature

Print full name of Witness: RANGARIRAYI MUVAVARIRWA  
2101 MARKET STREET, APT 414  
DENVER, CO 80205

Date:

.....

.....  
Inventor's Signature

Print full name of first inventor:

James C. Stark

Residence:

13970 Shannon Dr  
Broomfield, CO 80023

Citizenship:

US

Mailing Address:

Same as above

Date:

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Witness' Signature

Print full name of Witness:

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Date:

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Date:

\_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor:

Matthew Osminer

Residence:

1624 Daily Drive  
Erie, CO 80516

Citizenship:

US

Mailing Address:

Same as above

Date:

\_\_\_\_\_

\_\_\_\_\_  
Witness' Signature

Print full name of Witness:

\_\_\_\_\_

Date:

\_\_\_\_\_

\_\_\_\_\_  
Witness' Signature

Print full name of Witness:

\_\_\_\_\_

Date: 1/4/13

  
Inventor's Signature

Print full name of first inventor:

James C. Stark

Residence:

13970 Shannon Dr  
Broomfield, CO 80023

Citizenship:

US

Mailing Address:

Same as above


Date: 1/4/13

  
Witness' Signature

Print full name of Witness:

Michael D. Lunden  
5088 E. 118<sup>th</sup> Place  
Thomton, CO 80233

Date: 1/4/13

  
Witness' Signature

Print full name of Witness:

MARK A COFFEY  
5385 OLDE STAGE RD  
BOULDER, CO 80302