

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>Luis Alberto Campos</td> <td>04/01/2013</td> </tr> <tr> <td>Jennifer Andreoli-Fang</td> <td>03/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Luis Alberto Campos	04/01/2013	Jennifer Andreoli-Fang	03/25/2013				
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Jennifer Andreoli-Fang	03/25/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Cable Television Laboratories, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>858 Coal Creek Circle</td> </tr> <tr> <td>City:</td> <td>Louisville</td> </tr> <tr> <td>State/Country:</td> <td>COLORADO</td> </tr> <tr> <td>Postal Code:</td> <td>80027</td> </tr> </table>		Name:	Cable Television Laboratories, Inc.	Street Address:	858 Coal Creek Circle	City:	Louisville	State/Country:	COLORADO	Postal Code:	80027
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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>13855768</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13855768						
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CORRESPONDENCE DATA											
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: j.buser@greatlakesiplaw.com Correspondent Name: Great Lakes Intellectual Property, PLLC Address Line 1: 44750 Yorkshire Address Line 4: Novi, MICHIGAN 48375</p>											
ATTORNEY DOCKET NUMBER:	CTL 60286 PUS1 (60286)										
NAME OF SUBMITTER:	John R. Buser										
Signature:	/John R. Buser/										
Date:	04/03/2013										
<p>Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif</p>											

OP \$40.00 13855768

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention **OPTIMIZING NETWORK ACCESS**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- The attached application, or
- United States application or PCT international application number _____ filed on _____. (I hereby authorize the insertion of the application filing date and number when they become known.)

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Cable Television Laboratories, Inc., a corporation organized and existing under the laws of the state or country of Delaware, and having a place of business at 858 Coal Creek Circle, Louisville, CO 80027, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.

LEGAL NAME OF INVENTOR

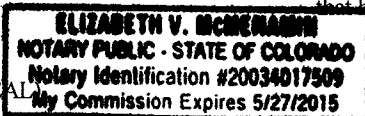
Inventor: Luis Alberto Campos

Date: 4-1-13

Signature: *Luis Alberto Campos*

STATE OF COLORADO)
) ss.
COUNTY OF BOULDER)

On this 1st day of April, 2013, personally appeared before me Luis Alberto Campos, to me known to be the person named in and who executed the above instrument, and acknowledges that he/she executed the same for the uses and purposes therein mentioned.



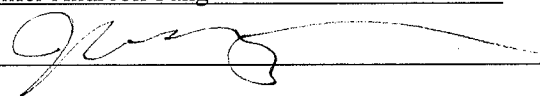
Elizabeth V. McMenemy
Elizabeth V. McMenemy, Notary Public
My Commission Expires: May 27, 2015

**SUPPLEMENTAL SHEET FOR ASSIGNMENT AND DECLARATION
(37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING
AN APPLICATION DATA SHEET (37 C.F.R. 1.76)**

Additional Inventors
Page 2 of 2

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Legal Name of Additional Joint Inventor:

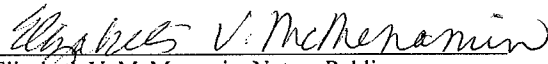
Inventor: Jennifer Andreoli-Fang Date: 3/25/13
 Signature: 

STATE OF COLORADO)
) ss.
 COUNTY OF BOULDER)

On this 25th day of March, 2013, personally appeared before me Jennifer Andreoli-Fang, to me known to be the person named in and who executed the above instrument, and acknowledges that he/she executed the same for the uses and purposes therein mentioned.

ELIZABETH V. McMENAMIN
 NOTARY PUBLIC - STATE OF COLORADO
 Notary Identification #20034017509
 My Commission Expires 5/27/2015

(SEAL)


 Elizabeth V. McMenamin, Notary Public
 My Commission Expires: May 27, 2015