

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>Richard M. Woundy</td><td>02/05/2009</td></tr><tr><td>John Leddy</td><td>02/12/2009</td></tr><tr><td>Richard Hertz</td><td>02/12/2009</td></tr><tr><td>David I. Casti</td><td>01/28/2009</td></tr></tbody></table>		Name	Execution Date	Richard M. Woundy	02/05/2009	John Leddy	02/12/2009	Richard Hertz	02/12/2009	David I. Casti	01/28/2009		
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Comcast Cable Communications, LLC</td></tr><tr><td>Street Address:</td><td>1701 JFK Boulevard</td></tr><tr><td>Internal Address:</td><td>One Comcast Center</td></tr><tr><td>City:</td><td>Philadelphia</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>19103</td></tr></table>		Name:	Comcast Cable Communications, LLC	Street Address:	1701 JFK Boulevard	Internal Address:	One Comcast Center	City:	Philadelphia	State/Country:	PENNSYLVANIA	Postal Code:	19103
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (202)824-3001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 2028243000													
Email: thoward@bannerwitcoff.com													
Correspondent Name: Steve S. Chang													
Address Line 1: 1100 13th St. N.W.													
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-4051													
ATTORNEY DOCKET NUMBER:	007412.00316												
NAME OF SUBMITTER:	Steve Chang												

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**Total Attachments: 4**

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**PATENT**

**REEL: 022383 FRAME: 0078**

**ASSIGNMENT**

We, Richard M. Woundy, John Leddy, Richard Hertz, and David I. Casti, who reside at 17 Foley Drive, North Reading, MA 01864, 1310 Pine Road, Bryn Mawr, PA 19010, 201 E. Coulter Avenue, Collingswood, NJ 08108, and 3220 Fillmore Street, Eugene, OR 97405, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

**SYSTEM AND METHOD FOR MANAGING A BROADBAND NETWORK**

which application was filed December 30, 2008 under serial no. 12/346,162,

and

Comcast Cable Communications, LLC  
One Comcast Center  
1701 JFK Boulevard  
Philadelphia, PA 19103

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to me/us, receipt and sufficiency of which I/we hereby acknowledge, I/we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent in said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials if all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that I/we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I/we have good right to assign the same to Assignee without encumbrance;
5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/us

or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me/us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), herein below.

In testimony whereof I/we have affixed our signature(s).

Richard M. Woundy  
Richard M. Woundy

2/5/2009  
Date

Alicia-Michelle Davis  
Witness

2/5/2009  
Date

\_\_\_\_\_  
John Leddy

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
Richard Hertz

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date

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Date

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John Leddy

Date

Witness

Date

Richard Hertz

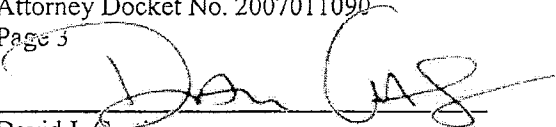
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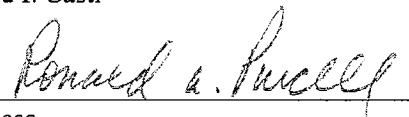
Attorney Docket No. 2007011090

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David I. Casti

1/28/09

\_\_\_\_\_  
Date

  
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Witness

1/28/09

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Date

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RECORDED: 03/12/2009

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