PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael A. Chen	04/05/2007

RECEIVING PARTY DATA

Name:	Comcast Cable Holdings, LLC	
Street Address:	1500 Market Street, 34th Floor	
City:	Philadelphia	
State/Country:	PENNSYLVANIA	
Postal Code:	19102-2148	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11733876

CORRESPONDENCE DATA

Fax Number: (248)358-3351

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 248 358-4400

Email: apage@brookskushman.com

Correspondent Name: Brooks Kushman P.C.

Address Line 1: 1000 Town Center, Suite 2200 Address Line 4: Southfield, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	CCCI 0578 PUS
NAME OF SUBMITTER:	John R. Buser

Total Attachments: 1

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CH \$40.00

PATENT REEL: 019146 FRAME: 0846

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I, Michael A. Chen of 111 Governors Drive, Wallingford, PA do hereby assign, sell and set over to COMCAST CABLE HOLDINGS, LLC, a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 1500 Market Street, 34th Floor, Philadelphia, PA 19102-2148, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

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for which an application for a United States Patent is to be filed or will have been filed on 04/11/2007 , as Application Serial No.11/733.876 (I hereby authorize my attorney to insert the application filing date and serial number when they become known), 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.

Date: April 5, 2007

STATE OF Pennsylvania

COUNTY OF Phila)

On this 5th day of April , 2007, personally appeared before me Michael A. Chen, to me known to be the person named in and who executed the above instrument, and acknowledged that he

executed the same for the uses and purposes therein mentioned.

(SEAL)

CONVEALTH OF PENNSYLVANIA NOTARIAL SEAL AIDA SPARTA, Notary Public City of Philadelphia, Phila. County My Commission Expires March 30, 2008

REEL: 019146 FRAME: 0847

PATENT

RECORDED: 04/11/2007