

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Walt Michel</td> <td>09/10/2004</td> </tr> <tr> <td>Errol J. D'Souza</td> <td>08/12/2004</td> </tr> <tr> <td>Robert Heiman</td> <td>09/10/2004</td> </tr> </tbody> </table>		Name	Execution Date	Walt Michel	09/10/2004	Errol J. D'Souza	08/12/2004	Robert Heiman	09/10/2004
Name	Execution Date								
Walt Michel	09/10/2004								
Errol J. D'Souza	08/12/2004								
Robert Heiman	09/10/2004								
RECEIVING PARTY DATA									
Name:	Comcast Cable Holdings, LLC								
Street Address:	1500 Market Street								
Internal Address:	34th Floor								
City:	Philadelphia								
State/Country:	PENNSYLVANIA								
Postal Code:	19102-2148								
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>12636510</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12636510				
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Application Number:	12636510								
CORRESPONDENCE DATA									
Fax Number:	2028243001								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2028243000								
Email:	BWPTOPAT@bannerwitcoff.com, dbarnes@bannerwitcoff.com								
Correspondent Name:	Banner & Witcoff, LTD.								
Address Line 1:	1100 13th Street, NW								
Address Line 2:	Suite 1200								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005								
ATTORNEY DOCKET NUMBER:	007412.01133								
NAME OF SUBMITTER:	William E. Wooten								
Signature:	/William E. Wooten/								

PATENT

Date:

09/25/2013

Total Attachments: 4

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Atty. Docket No. CCCI 0147 PUS

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Walt Michel, of 333 Cherry Lane, Glenside, Pennsylvania 19038, Errol J. D'Souza, of 11 Yardley Court, Sicklerville, NJ 08081, and Robert Heiman, of 2719 Harvard Drive, Warrington, PA 18976, respectively, 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

METHOD AND SYSTEM FOR ACQUIRING ELECTRONIC PROGRAMMING GUIDE SIGNALS

set forth in the application for United States Letters Patent executed by us on the _____ day of _____, 20____, and on the _____ day of _____, 20____, respectively; or

for which an application for a United States Patent was filed on September 20, 2004, Application No. 10/945,085 (we hereby authorize our attorney to insert the application filing date and 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 our names, at its or their election, and we 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 we hereby agree for ourselves, our 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 we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

Date: _____, 2004

WALT MICHEL

Date: August 12, 2004Errol J. D'Souza
ERROL J. D SOUZA

PATENT

REEL: 031275 FRAME: 0491

Any. Docket No. CCC1 0147 PUS

Date: _____, 2004

ROBERT HEIMAN

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2004, personally appeared before me Walt Michel, 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.

Notary Public
My Commission expires:

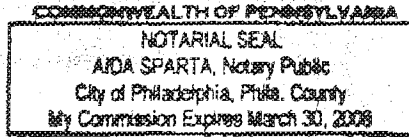
(SEAL)

STATE OF Pennsylvania)
) ss.
COUNTY OF Phila)

On this 12 day of August, 2004, personally appeared before me Errol J. D'Souza, 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.

Aida Sparta
Notary Public
My Commission expires:

(SEAL)



STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2004, personally appeared before me Robert Heiman, 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.

Notary Public
My Commission expires:

(SEAL)

Any. Docket No. CCC1 0147 PUS

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Walt Michel, of 333 Cherry Lane, Glenside, Pennsylvania 19038, Errol J. D'Souza, of 11 Yardley Court, Sicklerville, NJ 08081, and Robert Heiman, of 2719 Harvard Drive, Warrington, PA 18976, respectively, 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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And we hereby agree for ourselves, our 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 we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

Date: 9/10, 2004


WALT MICHEL

Date: _____, 2004

ERROL J. D'SOUZA

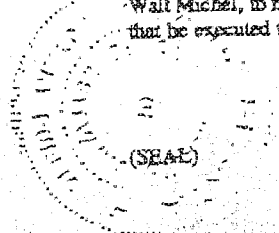
Any, Docket No. CCC1 0147 PUS

Date: Sept. 10, 2004

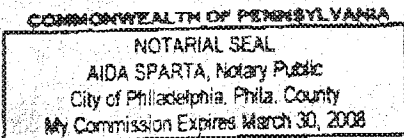
Robert Heiman
ROBERT HEIMAN

STATE OF Pennsylvania
Phila)
COUNTY OF Phila) ss.

On this 10th day of September, 2004, personally appeared before me Walt Michel, 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.



Aida Sparta
Notary Public
My Commission expires:



STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 2004, personally appeared before me Errol J. D'Souza, 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.

Notary Public
My Commission expires:

(SEAL)

STATE OF Pennsylvania
COUNTY OF Phila) ss.

On this 10th day of September, 2004, personally appeared before me Robert Heiman, 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.

Aida Sparta
Notary Public
My Commission expires:

(SEAL)

