

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>James Poder</td> <td>03/19/2013</td> </tr> <tr> <td>Bill Horrocks</td> <td>03/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	James Poder	03/19/2013	Bill Horrocks	03/28/2013
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James Poder	03/19/2013						
Bill Horrocks	03/28/2013						
RECEIVING PARTY DATA							
Name:	COMCAST CABLE COMMUNICATIONS, LLC						
Street Address:	1701 JFK Boulevard						
City:	Philadelphia						
State/Country:	PENNSYLVANIA						
Postal Code:	19103						
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>13826489</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13826489		
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Application Number:	13826489						
CORRESPONDENCE DATA							
Fax Number:	2028243001						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	202-824-3000						
Email:	jbrady@bannerwitcoff.com, BWPTOPAT@bannerwitcoff.com						
Correspondent Name:	BANNER & WITCOFF , LTD ATTORNEYS FOR CLI						
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Address Line 2:	SUITE 1200						
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005-4051						
ATTORNEY DOCKET NUMBER:	007412.02256						
NAME OF SUBMITTER:	Rajit Kapur (Reg. No. 65,766)						
Total Attachments: 4 source=ExecutedAssignment_BothInventors#page1.tif source=ExecutedAssignment_BothInventors#page2.tif source=ExecutedAssignment_BothInventors#page3.tif source=ExecutedAssignment_BothInventors#page4.tif							

CH \$40.00 13826489

ASSIGNMENT

Attorney Docket No.: 007412.02256
Serial Number: 13/826,489
Filing Date: March 14, 2013
Inventors: James Poder and Bill Horrocks

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned hereby assign to:

COMCAST CABLE COMMUNICATIONS, LLC

having a place of business at 1701 JFK Boulevard, Philadelphia, PA 19103, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

and identified as Attorney Docket No. 007412.02256 in the offices of Banner & Witcoff, Ltd. and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

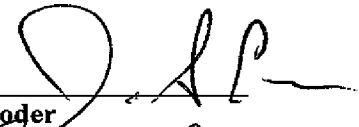
The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

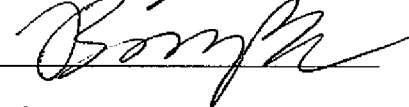
For said considerations and without additional charge the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations and without additional charge the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of and without additional charge to said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be

granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

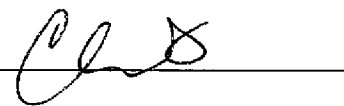
Date: 3/19/2013


James Poder

Date: 3/19/2013


Witness

Date: 3/19/2013


Witness

Date: _____

Bill Horrocks

Date: _____

Witness

Date: _____

Witness

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For said considerations and without additional charge the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations and without additional charge the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of and without additional charge to said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be

granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Date: _____
_____ **James Poder**

Date: _____
_____ Witness

Date: _____
_____ Witness

Date: 3-28-13
_____ **Bill Horrocks**

Date: 3-28-13
_____ Witness

Date: 3-28-13
_____ Witness