

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2675635

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>DAVID LEACH</td> <td>10/16/2013</td> </tr> <tr> <td>JAMES RUSSELL</td> <td>10/16/2013</td> </tr> <tr> <td>TIMOTHY PAROL</td> <td>11/13/2013</td> </tr> <tr> <td>DAVID ENG</td> <td>11/19/2013</td> </tr> <tr> <td>MARK ANDERSON</td> <td>10/15/2013</td> </tr> <tr> <td>DANTE BURKS</td> <td>11/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	DAVID LEACH	10/16/2013	JAMES RUSSELL	10/16/2013	TIMOTHY PAROL	11/13/2013	DAVID ENG	11/19/2013	MARK ANDERSON	10/15/2013	DANTE BURKS	11/19/2013
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DANTE BURKS	11/19/2013														
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>14089424</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14089424										
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Application Number:	14089424														
CORRESPONDENCE DATA															
Fax Number:	(202)824-3001														
Phone:	(202) 824-3000														
Email:	lwilley@bannerwitcoff.com, bwptopat@bannerwitcoff.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	BANNER & WITCOFF, LTD.														
Address Line 1:	1100 13TH ST. NW														
Address Line 2:	STE 1200														
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005														
ATTORNEY DOCKET NUMBER:	007412.02395														

NAME OF SUBMITTER:	STEVE S. CHANG
Signature:	/Steve Chang/
Date:	01/10/2014
Total Attachments: 6 source=2395_Assignment#page1.tif source=2395_Assignment#page2.tif source=2395_Assignment#page3.tif source=2395_Assignment#page4.tif source=2395_Assignment#page5.tif source=2395_Assignment#page6.tif	

ASSIGNMENT

Attorney Docket No.: 007412.02395

Serial Number: 14/089,424

Filing Date: November 25, 2013

Inventor: David Leach, James Russell, Timothy Parol, David Eng, Mark Anderson, and Dante Burks

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 applications for Letters Patent of the United States, entitled:

DEVICE PERFORMANCE MONITORING

and identified as Attorney Docket Nos. 007412.02395 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.

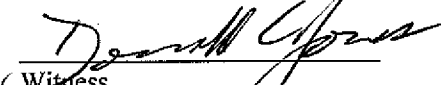
For said considerations and without additional charge the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, 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

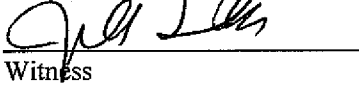
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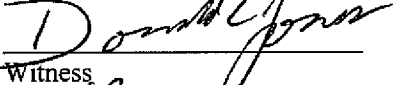
granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

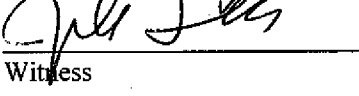
Date: 10/16 / 2013 
David Leach

Date: 10/16/2013 
Witness

Date: 10-16-13 
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James Russell

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Timothy Parol

Date: _____
Witness

Date: _____
Witness

Date: 11/19/2013
David Eng

Date: November 19, 2013
Witness

Date: 11/19/2013
Witness

Date: Oct 15, 2013

Mark Anderson
Mark Anderson

Date: 10.15.13

[Signature]
Witness

Date: 2013-10-15

[Signature]
Witness

Date: _____

Dante Burks

Date: _____

Witness

Date: _____

Witness

Date: _____

Mark Anderson

Date: _____

Witness

Date: _____

Witness

Date: 11/19/2013

Dante Burks
Dante Burks

Date: November 19, 2013

[Signature]
Witness

Date: 11/19/2013

[Signature]
Witness