# 506963658 11/05/2021 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
BRIAN FIELD			02/06/2014	
RECEIVING PARTY DA	ATA			
Name:	COMCAST CABLE COMMUNICATIONS, LLC			
Street Address:	1701 JOHN F. KENNEDY BOULEVARD			
City:	PHILAC	PHILADELPHIA		
State/Country:	PENNS	PENNSYLVANIA		
Postal Code:	19103	19103		
PROPERTY NUMBERS	5 Total: 1	Number		
Property Type		Number		
A		47500505		
Application Number:		17520525		
Application Number:		17520525		
		(215)568-3439		
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	DATA be sent to			
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CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	DATA be sent to provided	(215)568-3439 <b>o the e-mail address first; if that is unsu</b> <b>1; if that is unsuccessful, it will be sent</b> 2155683100 assignments@bakerlaw.com BAKERHOSTETLER 2929 ARCH STREET CIRA CENTRE, 12TH FLOOR PHILADELPHIA, PENNSYLVANIA 19104 102005.010422 DIANE PAYNE	via US Mail.	
CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 2	DATA be sent to provided	(215)568-3439 <b>o the e-mail address first; if that is unsu</b> <b>1; if that is unsuccessful, it will be sent</b> 2155683100 assignments@bakerlaw.com BAKERHOSTETLER 2929 ARCH STREET CIRA CENTRE, 12TH FLOOR PHILADELPHIA, PENNSYLVANIA 19104 102005.010422 DIANE PAYNE /Diane Payne/	via US Mail.	

#### ASSIGNMENT

Attorney Docket No.: 007412.02520 Serial Number: 14/243,644 Filing Date: April 2, 2014 Inventor(s): Brian Field

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:

### APPLICATION PORT MANAGEMENT

and identified as Attorney Docket No. 007412.02520 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, 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

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## PATENT REEL: 058037 FRAME: 0227

assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignce, 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.

14 -6-Date: Brian Field ugodulir 16/14 Date: Witness 2/6/14 Date: Witness