

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SALIM MK YAGHMOUR	01/16/2019
VIRGIL MARVIN BERNARD CANNON	01/16/2019
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<b>State/Country:</b>	VIRGINIA
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16893258
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<b>NAME OF SUBMITTER:</b>	CECELIA BROWN
<b>SIGNATURE:</b>	/CECELIA BROWN/
<b>DATE SIGNED:</b>	06/04/2020
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS I/We are the below-named inventor(s) (hereinafter referred to as Assignor(s)) of an invention titled:

### METHODS AND SYSTEMS FOR INCREASING BANDWIDTH EFFICIENCY IN SATELLITE COMMUNICATIONS

as disclosed and claimed in the applications identified below in the following table:

Application Number	Country of Filing	Filing Date
62/580,955	United States of America	November 2, 2017
16/179,685	United States of America	November 2, 2018
16/179,734	United States of America	November 2, 2018
PCT/US2018/59069	Patent Cooperation Treaty	November 2, 2018
PCT/US2018/59081	Patent Cooperation Treaty	November 2, 2018

WHEREAS, Intelsat US LLC, a corporation whose post office address is 7900 Tysons One Plaza, McLean VA, 22101 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including the above-referenced applications, all PCT International Applications and national stage applications based thereon that may be filed, and any other applications for patents filed anywhere in the world that claim this invention, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, all PCT International Applications and national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request that any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

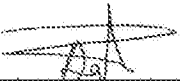
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

**ASSIGNOR (Inventor) 1**

Salim MK Yaghmour

Address: 5832 Clapham Road

Alexandria, VA 22315

Signature: 

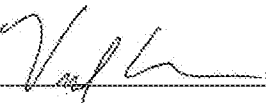
Execution Date: 1/16/2019

**ASSIGNOR (Inventor) 2**

Virgil Marvin Bernard Cannon

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Whittier, CA 90604

Signature: 

Execution Date: 1/16/2019