504893372 05/01/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4940115

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA G SLATER	04/26/2018
JOSHUA J RIGHETTI	04/16/2018
NIRMALKUMAR VELAYUDHAN	04/13/2018

RECEIVING PARTY DATA

SBAD FORNIA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15946367

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7604764622

Email: patent-admin@viasat.com

Correspondent Name: VIASAT, INC.

Address Line 1: 6155 EL CAMINO REAL

Address Line 4: CARLSBAD, CALIFORNIA 92009

ATTORNEY DOCKET NUMBER:	VS1721-US-2
NAME OF SUBMITTER:	SHELLEY SWEDO
SIGNATURE:	/Shelley Swedo/
DATE SIGNED:	05/01/2018

Total Attachments: 6

source=180426_Assignment-ALL (Signed)_VS1721-US-2#page1.tif source=180426_Assignment-ALL (Signed)_VS1721-US-2#page2.tif source=180426_Assignment-ALL (Signed)_VS1721-US-2#page3.tif source=180426_Assignment-ALL (Signed)_VS1721-US-2#page4.tif

PATENT 504893372 REEL: 045678 FRAME: 0941

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PATENT REEL: 045678 FRAME: 0942

ATTY, DKT, NO.: 081094-1079568 VIASAT DKT, NO.: VS1721-US-2

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to ViaSat, Inc., having a place of business at 6155 El Camino Real, Carlsbad CA 92009 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

92009 ("ASSI	GNEE"), for itself and its successors, transferees, and assignees, the following:	
f.	The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: POPULARITY-AWARE BITRATE ADAPTATION OF LINEAR PROGRAMMING FOR MOBILE COMMUNICATIONS ("APPLICATION"), which: is to be filed herewith (attorney docket no) was filed on 05-Apr-2018 now bearing U.S. Application No.; 15/946,367	
2.	The entire worldwide right, title, and interest in and to: (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above.	
INVEI ASSIGNEE's	NTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in own name.	
carry out the in other papers no (2) communica- lawful acts that protection rela- conveyed. INV	NTOR agrees to do the following, when requested, and without further consideration, in order to atent of this Assignment; (1) execute all oaths, assignments, powers of attorney, applications, and excessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; ate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all the ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent ting to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein VENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE and assistance provided to ASSIGNEE hereunder.	
and covenants	NTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, use, or other agreement affecting the rights, titles, and interests herein conveyed.	
This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.		

Name & Signature

Judda G. Slater

Date of Signature

4/24/18

application number when known, if applicable.

I hereby authorize and request the attorney of record for this application to insert above the filing date and

ATTY, DKT, NO.: 081094-1079568 VIASAT DKT, NO.: VS1721-US-2

Name & Signature	Date of Signature
Joshua J. Righetti	······································
Nirmalkumar Velayudhan	

ATTY. DKT. NO.: 081094-1079568 VIASAT DKT. NO.: VS1721-US-2

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The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT

1.

7 .		er papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all full acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent	2. The entire worldwide right, title, and interest in and to: (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above. INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name. INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein	INVE ASSIGNEE's INVE carry out the i other papers r (2) communic lawful acts the	necessary or desirable to fully secure to a ficate to ASSIGNEE all known facts relationships that ASSIGNEE shall consider desirable for	ASSIGNEE the rights, titles and interests herein conveyed; ing to the SUBJECT MATTER; and (3) generally do all or securing, maintaining, and enforcing worldwide patent
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INVEN	NTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant,	er papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all rful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent tection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein tweed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE has the benefits and assistance provided to ASSIGNEE hereunder. INVENTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, I covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant,	(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above. INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name. INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.	INVE ASSIGNEE's INVE carry out the i other papers r (2) communic lawful acts the protection reli conveyed. IN with the benefit	necessary or desirable to fully secure to a dicate to ASSIGNEE all known facts relati- that ASSIGNEE shall consider desirable for elating to the SUBJECT MATTER and for NVENTOR further agrees to provide any defits and assistance provided to ASSIGNA ENTOR represents that INVENTOR has to with ASSIGNEE that the INVENTOR	ASSIGNEE the rights, titles and interests herein conveyed; ing to the SUBJECT MATTER; and (3) generally do all or securing, maintaining, and enforcing worldwide patent r vesting in ASSIGNEE the rights, titles, and interests herein successor, assign, or legal representative of ASSIGNEE EE hereunder. the right, title, and interests to convey as set forth herein, has made or will make hereafter no assignment, grant,
INVEX and covenants mortgage, licer This A	NTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, use, or other agreement affecting the rights, titles, and interests herein conveyed. Assignment may be executed in one or more counterparts, each of which shall be deemed an original	er papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all rful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent tection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein to the SUBJECT MATTER and successor, assign, or legal representative of ASSIGNEE the benefits and assistance provided to ASSIGNEE hereunder. INVENTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, a covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, rigage, license, or other agreement affecting the rights, titles, and interests herein conveyed. This Assignment may be executed in one or more counterparts, each of which shall be deemed an original	(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above. INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name. INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder. INVENTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.	INVE ASSIGNEE's INVE carry out the i other papers r (2) communic lawful acts the protection reli conveyed. IN with the benefit	incressary or desirable to fully secure to a cicate to ASSIGNEE all known facts relational that ASSIGNEE shall consider desirable for the SUBJECT MATTER and for INVENTOR further agrees to provide any sefits and assistance provided to ASSIGNITENTOR represents that INVENTOR has sets with ASSIGNEE that the INVENTOR cense, or other agreement affecting the rigon Assignment may be executed in one or necessary.	ASSIGNEE the rights, titles and interests herein conveyed; ing to the SUBJECT MATTER; and (3) generally do all or securing, maintaining, and enforcing worldwide patent r vesting in ASSIGNEE the rights, titles, and interests herein successor, assign, or legal representative of ASSIGNEE EE hereunder. the right, title, and interests to convey as set forth herein, has made or will make hereafter no assignment, grant, ghts, titles, and interests herein conveyed.
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Page 1 of 2

ATTY, DKT. NO.: 081094-1079568 VIASAT DKT. NO.: VS1721-US-2

Name & Signature	Date of Signature A//6//4
Joshua J. Righetti	
Nirmalkumar Velayudhan	· · · · · · · · · · · · · · · · · · ·

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Name & Signat	ure	Date of Signature	
Joshua G. Slate	r		

Page 1 of 2

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Name & Signature	Date of Signature
Joshua J. Righetti	
	4/13/2018
Nirmatkumar Velayudhan	