505076483 09/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5123240

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| CHRISTOPHER J DEMANGE | 06/28/2018 |
| ANDREW D TIRELLA | 05/25/2018 |
| KEVIN B RENNIE | 06/05/2018 |

RECEIVING PARTY DATA

| Name: | VIASAT, INC. |
|-----------------|---------------------|
| Street Address: | 6155 EL CAMINO REAL |
| City: | CARLSBAD |
| State/Country: | CALIFORNIA |
| Postal Code: | 92009 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15980666 |

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: | VS2041-US-1 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | SHELLEY SWEDO |
| SIGNATURE: | /Shelley Swedo/ |
| DATE SIGNED: | 09/04/2018 |

Total Attachments: 6

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PATENT REEL: 046779 FRAME: 0026

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:

| 1. | 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; | | |
| | DISTRIBUTED MEDIA CONTENT TRANSFER AND ACCESS MANAGEMENT | | |
| | ("APPLICATION"), which: | | |
| | is to be filed herewith (attorney docket no) | | |
| | was filed on 15-May-2018, now bearing U.S. Application No.: 15/980,666 | | |
| 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 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.

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.

I hereby authorize and request the attorney of record for this application to insert above the filing date and application number when known, if applicable.

Name & Signature

Date of Signature

6/28/18

Page 1 of 2

| Name & Signature | Date of Signature |
|-------------------|-------------------|
| Andrew D. Tirella | |
| Kevin B. Rennie | · |

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1.

| | MATTER") that are disclosed in the application for United States Letters Patent entitled: DISTRIBUTED MEDIA CONTENT TRANSFER AND ACCESS MANAGEMENT ("APPLICATION"), which: is to be filed herewith (attorney docket no) was filed on 15-May-2018, now bearing U.S. Application No.: 15/980,666 |
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| 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. |
| INVE ASSIGNEE's | NTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in own name. |
| carry out the in other papers ne (2) communica lawful acts that protection relationveyed. INV | NTOR agrees to do the following, when requested, and without further consideration, in order to stent 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; the to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all to ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent along 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 ts 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, ase, or other agreement affecting the rights, titles, and interests herein conveyed. |
| | ssignment may be executed in one or more counterparts, each of which shall be deemed an original h may be taken together as one and the same Assignment. |
| | y authorize and request the attorney of record for this application to insert above the filing date and onber when known, if applicable. |
| Name & Signat | <u>Date of Signature</u> |
| Christopher J. 1 | Demange |
| | |

Page 1 of 2

| Name & Signature | Date of Signature |
|-------------------|---|
| | 5/25/2018 |
| Andrew D. Tirella | |
| | |
| | |
| Varia P Dania | *************************************** |

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:

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|------------------|---|---|
| | ("APPLICATION"), which: | |
| | is to be filed herewith (attorney docket n | |
| | was filed on 15-May-2018, now bearing | g U.S. Application No.: <u>15/980,666</u> |
| 2. | The entire worldwide right, title, and interest in a | and to: |
| | (a) the APPLICATION, including any right of pr | ciority; (b) any divisional, continuation, |
| | substitute, renewal, reissue, and other related app | · · · · · · · · · · · · · · · · · · · |
| | United States or elsewhere in the world; and (c) a | any patents which may be granted on the |
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| other papers ne | ecessary or desirable to fully secure to ASSIGNEE | the rights, titles and interests herein conveyed; |
| *** | ate to ASSIGNEE all known facts relating to the SU | |
| | t ASSIGNEE shall consider desirable for securing, | |
| | ting to the SUBJECT MATTER and for vesting in | |
| | VENTOR further agrees to provide any successor, a | 그는 경기를 가는 것이 되었다. |
| with the benefit | its and assistance provided to ASSIGNEE hereunde | x. |
| INVEN | NTOR represents that INVENTOR has the right, tit | tle, and interests to convey as set forth herein, |
| and covenants | with ASSIGNEE that the INVENTOR has made or | r will make hereafter no assignment, grant, |
| mortgage, licen | nse, or other agreement affecting the rights, titles, a | and interests herein conveyed. |
| This A | ssignment may be executed in one or more counter | rparts, each of which shall be deemed an original |
| and all of which | h may be taken together as one and the same Assig | mment. |
| Lhereb | by authorize and request the attorney of record for t | his application to insert above the filing date and |
| | mber when known, if applicable. | |
| siri di co | | D (60° |
| Name & Signat | <u>une</u> | Date of Signature |
| | | |
| Christopher J. I | Demange | |
| | | |

Page 1 of 2

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| Name & Signature | Date of Signature | |
|-------------------|-------------------|--|
| Andrew D. Tirella | | |
| Kayin B. Bannia | 5 JUNE 2018 | |