

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5752566

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CONVERSION
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EHOSTAR TECHNOLOGIES L.L.C.	02/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DISH TECHNOLOGIES L.L.C.
<b>Street Address:</b>	9601 S. MERIDIAN BLVD.
<b>City:</b>	ENGLEWOOD
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80112
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16153058
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)359-7198
<i>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.</i>	
<b>Phone:</b>	303-291-2300
<b>Email:</b>	patentprocurement@perkinscoie.com
<b>Correspondent Name:</b>	PERKINS COIE LLP
<b>Address Line 1:</b>	1201 THIRD AVENUE
<b>Address Line 2:</b>	SUITE 4900
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98101-3099
<b>ATTORNEY DOCKET NUMBER:</b>	120299-8049.US00
<b>NAME OF SUBMITTER:</b>	JONI PETERSON
<b>SIGNATURE:</b>	/Joni Peterson/
<b>DATE SIGNED:</b>	10/03/2019
<b>Total Attachments: 6</b>	
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5602373

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	CONVERSION	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
ECHOSTAR TECHNOLOGIES L.L.C.		02/07/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	DISH TECHNOLOGIES L.L.C.	
<b>Street Address:</b>	9601 S. MERIDIAN BLVD.	
<b>City:</b>	ENGLEWOOD	
<b>State/Country:</b>	COLORADO	
<b>Postal Code:</b>	80112	
<b>PROPERTY NUMBERS Total: 17</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	14826419	
Application Number:	15244767	
Application Number:	13115729	
Application Number:	14153938	
Application Number:	14444320	
Application Number:	14573929	
Application Number:	14586397	
Application Number:	14589585	
Application Number:	14717083	
Application Number:	14803572	
Application Number:	15137719	
Application Number:	15594307	
Application Number:	15606655	
Application Number:	15635810	
Application Number:	15833370	
Application Number:	15681783	
Application Number:	16002483	
<b>CORRESPONDENCE DATA</b>		
Fax Number:		
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent		
PATENT		

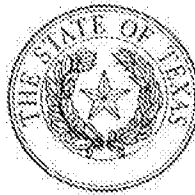
***using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***

**Email:** patentdocketing@lowegrahamjones.com  
**Correspondent Name:** RAYMOND ARMENTROUT/LOWE GRAHAM JONES PLLC  
**Address Line 1:** 701 FIFTH AVENUE  
**Address Line 2:** SUITE 4800  
**Address Line 4:** SEATTLE, WASHINGTON 98104

<b>ATTORNEY DOCKET NUMBER:</b>	DISH-5-1000
<b>NAME OF SUBMITTER:</b>	TIFFANY D. KELLY
<b>SIGNATURE:</b>	/Tiffany D. Kelly/
<b>DATE SIGNED:</b>	07/02/2019

**Total Attachments: 4**

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## Office of the Secretary of State

### CERTIFICATE OF CONVERSION

The undersigned, as Secretary of State of Texas, hereby certifies that a filing instrument for

EchoStar Technologies L.L.C.  
File Number: 800917951

Converting it to

DISH Technologies L.L.C.  
File Number: [Entity not of Record, Filing Number Not Available]

has been received in this office and has been found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing the acceptance and filing of the conversion on the date shown below.

Dated: 02/07/2018

Effective: 02/07/2018



A handwritten signature in black ink, appearing to read "R. Pablos".

Rolando B. Pablos  
Secretary of State

FEB 07 2018

CERTIFICATE OF CONVERSION  
OF  
ECHOSTAR TECHNOLOGIES L.L.C.

Corporations Section

FEBRUARY 1, 2018

This Certificate of Conversion (this "Certificate") is being executed and filed by the undersigned authorized person of EchoStar Technologies L.L.C., a Texas limited liability company, for the purpose of effecting the conversion of EchoStar Technologies L.L.C., a Texas limited liability company, into a Colorado limited liability company pursuant to Section 10.101 of the Texas Business Organizations Code and Section 7-90-201 of the Colorado Revised Statutes.

1. The name of the converting limited liability company is EchoStar Technologies L.L.C.
2. The jurisdiction of the limited liability company is Texas.
3. The date of formation of the limited liability company is December 31, 2007.
4. The file number issued to the limited liability company is 0800917951.
5. The limited liability company is converting to a foreign limited liability company. The name of the converted limited liability company is DISH Technologies L.L.C.
6. The foreign limited liability company will be formed under the laws of Colorado.
7. In lieu of providing the plan of conversion, the converting company certifies that:
  - a. A signed plan of conversion is on file at the principal place of business of the limited liability company, the converting entity. The address of the principal place of business of the converting limited liability company is 9601 S. Meridian Blvd., Englewood, CO 80112. The signed plan of conversion will be on file after the conversion at the principal place of business of the converted entity. The converted entity's principal place of business is 9601 S. Meridian Blvd., Englewood, CO 80112.
  - b. A copy of the plan of conversion will be furnished on written request without cost by the converting entity before the conversion or by the converted entity after the conversion to any owner or member of the converting or converted entity.
8. The plan of conversion has been approved by the laws of the jurisdiction of formation and the governing documents of the converting entity.
9. This Certificate becomes effective when it is accepted and filed by the Secretary of State of Texas.

10. In lieu of providing a tax certificate, the limited liability company as the converted entity is liable for the payment of any franchise taxes.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the undersigned signs this document, as of the date first set forth above, subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument. The undersigned certifies that the statements contained herein are true and correct, and that the person signing is authorized under provisions of the Texas Business Organizations Code to execute the filing instrument.

EchoStar Technologies L.L.C., a Texas limited liability company

By: 

Name: Brandon Elchart

Title: Vice President, Associate General Counsel  
and Secretary

[Signature Page to Certificate of Conversion]