

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5830925

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE CONVERSION SHOULD NOT HAVE BEEN RECORDED AGAINST APPLICATION 15289585 previously recorded on Reel 046737 Frame 0610. Assignor(s) hereby confirms the CONVERSION SHOULD HAVE BEEN RECORDED AGAINST PATENT 9883172.

CONVEYING PARTY DATA

Name	Execution Date
EHOSTAR TECHNOLOGIES L.L.C.	02/01/2018

RECEIVING PARTY DATA

Name:	DISH TECHNOLOGIES L.L.C.
Street Address:	9601 S. MERIDIAN BLVD.
City:	ENGLEWOOD
State/Country:	COLORADO
Postal Code:	80112

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	9883172

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.

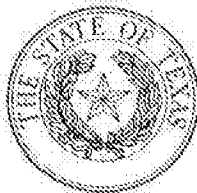
Phone: 3037231750
Email: tammy.jansen@dish.com
Correspondent Name: TAMMY JANSEN
Address Line 1: DISH NETWORK L.L.C.
Address Line 2: LEGAL DEPARTMENT
Address Line 4: ENGLEWOOD, COLORADO 80112

NAME OF SUBMITTER:	TAMMY J. JANSEN
SIGNATURE:	/TAMMY J. JANSEN/
DATE SIGNED:	11/20/2019

Total Attachments: 26

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Office of the Secretary of State

February 08, 2018

Baker Botts L.L.P.
Attn: Terri Bearss, 98 San Jacinto Blvd. #1500
Austin, TX 78701 USA

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

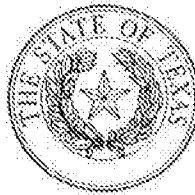
It has been our pleasure to approve and place on record the filing instrument effecting a conversion. The appropriate evidence is attached for your files. Payment of the filing fee is acknowledged by this letter.

If we can be of further service at any time, please let us know.

Sincerely,

Corporations Section
Business & Public Filings Division
(512) 463-5555

Enclosure



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

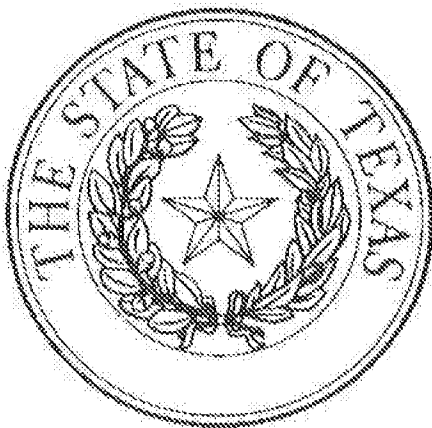
Converting it to

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 "Rolando B. Pablos".

Rolando B. Pablos
Secretary of State

FEB 07 2018

Corporations Section

CERTIFICATE OF CONVERSION
OF
EHOSTAR TECHNOLOGIES L.L.C.
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]

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5087201

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CONVERSION

CONVEYING PARTY DATA

Name	Execution Date
ECHOSTAR TECHNOLOGIES L.L.C.	02/01/2018

RECEIVING PARTY DATA

Name:	DISH TECHNOLOGIES L.L.C.
Street Address:	9601 S. MERIDIAN BLVD
City:	ENGLEWOOD
State/Country:	COLORADO
Postal Code:	80112

PROPERTY NUMBERS Total: 564

Property Type	Number
Patent Number:	D794608
Patent Number:	D785601
Patent Number:	D785600
Patent Number:	D785599
Patent Number:	D784295
Patent Number:	D746798
Patent Number:	D722596
Patent Number:	D664521
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Patent Number:	9998794
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Patent Number:	9997062
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Property Type	Number
Patent Number:	9986299
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Patent Number:	9973807
Patent Number:	9973304
Patent Number:	9973261
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Patent Number:	9967510
Patent Number:	9967147
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Patent Number:	9960481
Patent Number:	9959277
Patent Number:	9955231
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PATENT

REEL: 051071 FRAME: 0197

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PATENT

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PATENT

REEL: 051071 FRAME: 0201

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Patent Number:	8804050

PATENT

REEL: 051071 FRAME: 0207

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PATENT

Property Type	Number
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Patent Number:	8408466
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Patent Number:	8292166
Patent Number:	8284112

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: (303) 706-4506

Email: max.gratton@dish.com

Correspondent Name: MAX S GRATTON

Address Line 1: 100 INVERNESS TERRACE EAST

Address Line 4: ENGLEWOOD, COLORADO 80112

NAME OF SUBMITTER: MAX S GRATTON

SIGNATURE: /Max S Gratton/

DATE SIGNED: 08/07/2018

Total Attachments: 5

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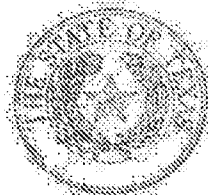
source=TX_Certificate#page5.tif

PATENT

REEL: 051071 FRAME: 0210

Corporations Section
P.O. Box 13697
Austin, Texas 78771-3697

Rolando B. Pablos
Secretary of State



Office of the Secretary of State

February 08, 2018

Baker Botts L.L.P.
Attn: Terri Bearss, 98 San Jacinto Blvd., #1500
Austin, TX 78701 USA

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

It has been our pleasure to approve and place on record the filing instrument effecting a conversion. The appropriate evidence is attached for your files. Payment of the filing fee is acknowledged by this letter.

If we can be of further service at any time, please let us know.

Sincerely,

Corporations Section
Business & Public Filings Division
(512) 463-5555

Enclosure

Come visit us on the internet at <http://www.sos.state.tx.us/>

Phone: (512) 463-5555
Prepared by: Virginia Tobias

Fax: (512) 463-5709
TDD: 10337

PATENT Relay Services
REEL: 051071 FRAME: 0211



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

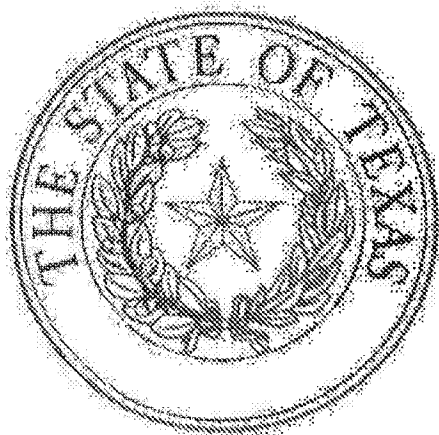
Converting it to

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 "Rolando B. Pablos".

Rolando B. Pablos
Secretary of State

FEB 07 2018

Corporations Section

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

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.

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REEL: 051071 PRAME: 0213

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: Brandon Elhart

Name: Brandon Elhart

Title: Vice President, Associate General Counsel and Secretary

(Signature Page to Certificate of Conversion)

PATIENT