

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3661752

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL T. DUGAN	12/02/2004
DAVID A. KUMMER	12/28/2004
RECEIVING PARTY DATA	
Name:	EHOSTAR TECHNOLOGIES L.L.C.
Street Address:	100 Inverness Terrace East
City:	Englewood
State/Country:	COLORADO
Postal Code:	80112
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14789681
CORRESPONDENCE DATA	
Fax Number:	(480)385-5061
<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>	
Phone:	(480) 385-5060
Email:	docketing@ifllaw.com
Correspondent Name:	INGRASSIA FISHER & LORENZ, P.C.
Address Line 1:	7010 EAST COCHISE ROAD
Address Line 4:	SCOTTSDALE, ARIZONA 85253-1406
ATTORNEY DOCKET NUMBER:	066.0269C1 (ES-0306.2)
NAME OF SUBMITTER:	BRETT A. CARLSON
SIGNATURE:	/Brett A. Carlson/
DATE SIGNED:	12/16/2015
Total Attachments: 13	
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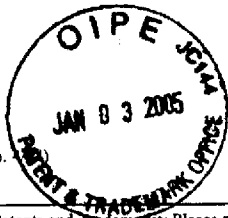
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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4-30-05)

M&G-40353.0006USU1



RJ

01-10-2005



102916418

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the a.

1. Name of conveying party(ies):

Michael T. Dugan
David A. Kummer

MRD
1-3-05

2. Name and address of receiving party(ies):

EchoStar Technologies Corporation
90 Inverness Circle East
Englewood, CO 80112

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 12/28/04

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12/27/04

A. Patent Application No.(s)

B. Patent No.(s)

10/940,077

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: George C. Lewis
Address: Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

George C. Lewis

Name of Person Signing

Signature

January 3, 2005

Date

Total number of pages including cover sheet, attachments, and document: 6

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

01/07/2005 DBYRME 00000209 10940077

01 FC:8021

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Mail Stop Assignment Recordation Services
Director - U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

23552

PATENT TRADEMARK OFFICE

PATENT
REEL: 016125 FRAME: 0630
PATENT
REEL: 037308 FRAME: 0752

ASSIGNMENT

WHEREAS, we, Michael T. Dugan, residing at 7539 East Inspiration Drive, Parker, Colorado 80138 and David A. Kummer, residing at 8947 South Green Meadows Lane, Highlands Ranch, Colorado 80126, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 13, 2004, application Serial No. 10/940,077 which is entitled METHOD AND APPARATUS FOR RECORDING A VIDEO PROGRAM FOR USER INSTRUCTION.

AND WHEREAS, EchoStar Technologies Corporation, a corporation organized and existing under and by virtue of the laws of the State of Texas, and having an office and place of business at 90 Inverness Circle East, Englewood, CO 80112 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

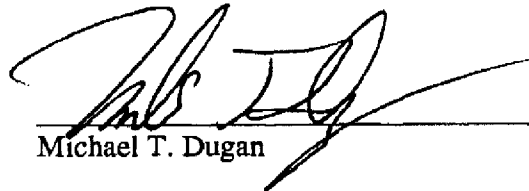
NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be

necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of December, 2004.

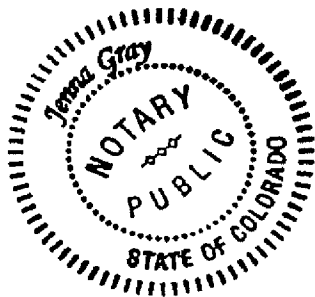


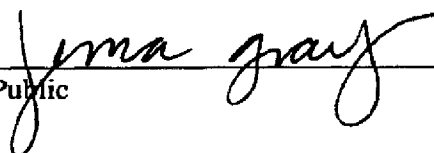
Michael T. Dugan

STATE OF Colorado)
COUNTY OF Douglas) ss.

On this 22 day of December, 2004, before me personally appeared Michael T. Dugan to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]





Notary Public

My commission expires:
11/03/2007

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of December, 2004.

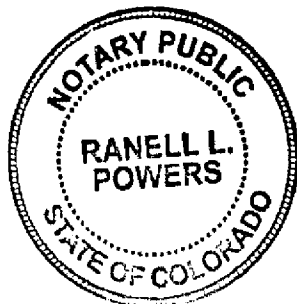
David A. Kummer
David A. Kummer

STATE OF Colorado)
) ss.
COUNTY OF Arapahoe)

On this 28th day of December, 2004, before me personally appeared David A. Kummer to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

Ranell L. Powers
Notary Public



PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Execution Date
EchoStar Technologies Corporation	12/31/2007

RECEIVING PARTY DATA

Name:	ECHOSTAR TECHNOLOGIES L.L.C.
Street Address:	90 Inverness Circle East
City:	Englewood
State/Country:	COLORADO
Postal Code:	80112

PROPERTY NUMBERS Total: 35

Property Type	Number
Application Number:	10940077
Application Number:	10939065
Application Number:	10940078
Application Number:	10940107
Application Number:	11693024
Application Number:	11256472
Application Number:	11673383
Application Number:	11693065
Application Number:	11957672
Application Number:	11618017
Application Number:	11618540
Application Number:	11966600
Application Number:	12263163
Application Number:	11958337
Application Number:	11960508

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PATENT
REEL: 023156 FRAME: 0876

PATENT
REEL: 037308 FRAME: 0756

Application Number:	11966209
Application Number:	11946743
Application Number:	11948180
Application Number:	11951016
Application Number:	11958312
Application Number:	11961875
Application Number:	11966485
Application Number:	11933265
Application Number:	11962989
Application Number:	11965842
Application Number:	11965281
Application Number:	11950803
Application Number:	11960569
Application Number:	11936537
Application Number:	11942111
Application Number:	11942896
Application Number:	11942901
Application Number:	11967344
Application Number:	11964927
Application Number:	11966738

CORRESPONDENCE DATA

Fax Number: (303)723-2588
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 303.723.1616
 Email: ipdept@dishnetwork.com
 Correspondent Name: Max Gratton
 Address Line 1: Dish Network LLC, 9601 S. Meridian Blvd.
 Address Line 2: Legal Department
 Address Line 4: Englewood, COLORADO 80112

NAME OF SUBMITTER:	Aaron Dobberstein
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Total Attachments: 7

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PATENT

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PATENT

REEL: 037308 FRAME: 0757



Office of the Secretary of State

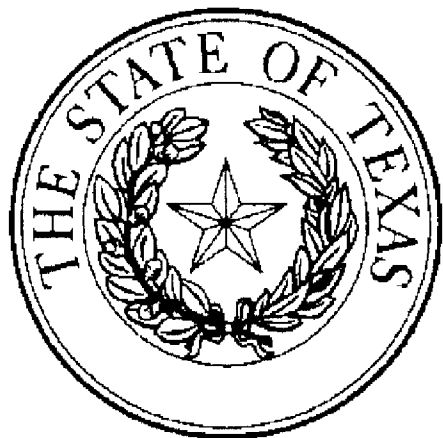
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

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

Certificate of Conversion

December 31, 2007

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 03, 2008.



A handwritten signature in cursive script, reading "Hope Andrade".

Hope Andrade
Secretary of State

Form 632
(Revised 01/06)

Return in duplicate to:
Secretary of State
P.O. Box 13697
Austin, TX 78711-3697
512 463-5555
FAX: 512 463-5709

Filing Fee: See instructions



**Certificate of Conversion
of a
Corporation Converting
to a
Limited Liability Company**

This space reserved for office use.

In the
Secretary of State of Texas
DEC 31 2007
Corporations Section

The name of the converting corporation is:
EchoStar Technologies Corporation

The jurisdiction of formation of the corporation is: Texas

The date of formation of the corporation is: May 27, 1982 (originally known as Houston Satellite Systems, Inc.)

The file number, if any, issued to the corporation by the secretary of state, is: 00609425-00

The corporation named above is converting to a limited liability company. The name of the limited liability company is:

EchoStar Technologies L.L.C.

The limited liability company will be formed under the laws of: Texas

☐ The plan of conversion is attached.

If the plan of conversion is not attached, the following statements must be completed.

☒ Instead of attaching the plan of conversion, the corporation certifies to the following statements:

A signed plan of conversion is on file at the principal place of business of the corporation, the converting entity. The address of the principal place of business of the corporation is:

90 Inverness Circle East	Englewood	CO	USA	80112
Street or Mailing Address	City	State	Country	Zip Code

A signed plan of conversion will be on file after the conversion at the principal place of business of the limited liability company, the converted entity. The address of the principal place of business of the limited liability company is:

90 Inverness Circle East	Englewood	CO	USA	80112
Street or Mailing Address	City	State	Country	Zip Code

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.

Certificate of Formation for the Converted Entity

☒ The converted entity is a Texas limited liability company. The certificate of formation of the Texas limited liability company is attached to this certificate either as an attachment or exhibit to the plan of conversion, or as an attachment or exhibit to this certificate of conversion if the plan has not been attached to the certificate of conversion.

Approval of the Plan of Conversion

The plan of conversion has been approved as required by the laws of the jurisdiction of formation and the governing documents of the converting entity.

Effectiveness of Filing

A. ☐ This document becomes effective when the document is accepted and filed by the secretary of state.

B. ☐ This document becomes effective at a later date, which is not more than ninety (90) days from the date of signing. The delayed effective date is: _____

C. ☒ This document takes effect upon the occurrence of the future event or fact, other than the passage of time. The 90th day after the date of signing is: March 26, 2008

The following event or fact will cause the document to take effect in the manner described below:

Upon EchoStar DBS Corporation completing the distribution of its EchoStar Technologies Corporation stock to

EchoStar Orbital Corporation.

Tax Certificate

☐ Attached hereto is a certificate from the comptroller of public accounts that all taxes under title 2, Tax Code, have been paid by the corporation.

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

Execution

The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument.

Date: December 27, 2007



R. Stanton Dodge, Exec Vice President, General Counsel & Sec

Signature and title of authorized person on behalf of the
converting entity

Form 205
(Revised 01/06)

Return in duplicate to:
Secretary of State
P.O. Box 13697
Austin, TX 78711-3697
512 463-5555
FAX: 512 463-5709
Filing Fee: \$300



**Certificate of Formation
Limited Liability Company**

This space reserved for office use.

FILED
In the Office of the
Secretary of State of Texas
DEC 31 2007
Corporations Section

Article 1. Entity Name and Type

The filing entity being formed is a limited liability company. The name of the entity is:

EchoStar Technologies L.L.C.

The name must contain the words "limited liability company," "limited company," or an abbreviation of one of these phrases.

Article 2. Registered Agent and Registered Office

(Select and complete either A or B and provide the name and address of each governing person.)

☒ A. The initial registered agent is an organization (cannot be entity named above) by the name of:

Corporation Service Company d/b/a CSC-Lawyers Incorporating Service Company

OR

☐ B. The initial registered agent is an individual resident of the state whose name is set forth below:

First Name	M.I.	Last Name	Suffix
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C. The business address of the registered agent and the registered office address is:

701 Brazos Street, Suite 1050	Austin	TX	78701
Street Address	City	State	Zip Code

Article 3. Governing Authority

(Select and complete either A or B and provide the name and address of each governing person.)

☐ A. The limited liability company will have managers. The name and address of each initial manager are set forth below.

☒ B. The limited liability company will not have managers. The company will be governed by its members, and the name and address of each initial member are set forth below.

NAME OF GOVERNING PERSON (Enter the name of either an individual or an organization, as applicable.)

IF INDIVIDUAL

First Name	M.I.	Last Name	Suffix
------------	------	-----------	--------

OR

IF ORGANIZATION

EchoStar DBS Corporation

Organization Name

ADDRESS OF GOVERNING PERSON

9601 South Meridian Boulevard	Englewood	CO	USA	80112
Street or Mailing Address	City	State	Country	Zip Code

NAME OF GOVERNING PERSON (Enter the name of either an individual or an organization, but not both.)				
IF INDIVIDUAL				
<i>First Name</i>	<i>M.I.</i>	<i>Last Name</i>	<i>Suffix</i>	
OR				
IF ORGANIZATION				
<i>Organization Name</i>				
ADDRESS OF GOVERNING PERSON				
<i>Street or Mailing Address</i>	<i>City</i>	<i>State</i>	<i>Country</i>	<i>Zip Code</i>

NAME OF GOVERNING PERSON (Enter the name of either an individual or an organization, but not both.)				
IF INDIVIDUAL				
<i>First Name</i>	<i>M.I.</i>	<i>Last Name</i>	<i>Suffix</i>	
OR				
IF ORGANIZATION				
<i>Organization Name</i>				
ADDRESS OF GOVERNING PERSON				
<i>Street or Mailing Address</i>	<i>City</i>	<i>State</i>	<i>Country</i>	<i>Zip Code</i>

Article 4 - Purpose

The purpose for which the company is formed is for the transaction of any and all lawful purposes for which a limited liability company may be organized under the Texas Business Organizations Code.

Supplemental Provisions/Information

Text Area: [The attached addendum, if any, is incorporated herein by reference.]

This limited liability company is being formed pursuant to a Plan of Conversion. Prior to this conversion this entity was a for profit corporation, by the name of EchoStar Technologies Corporation organized in Texas on May 27, 1982 and located at 90 Inverness Circle East, Englewood Co USA 80112.

See Exhibit A for indemnification language.

EXHIBIT A

The Company shall indemnify, to the fullest extent permitted by applicable law in effect from time to time, any person, and the estate and personal representative of any such person, against all liability and expense (including attorneys' fees) incurred by reason of the fact that such person is or was a manager, officer, employee or fiduciary of the Company or, while serving as manager, officer, employee, or fiduciary of the Company, such person is or was serving at the request of the Company as a manager, director, officer, partner, trustee, employee, fiduciary or agent of, or in any similar managerial or fiduciary position of, another domestic or foreign entity or other individual or entity or of an employee benefit plan. The Company shall also indemnify any person, and the estate and personal representative of any such person, who is serving or has served the Company as manager, officer, employee, fiduciary, or agent, to the extent and in the manner provided in any article of organization, resolution of any of the Company's members, contract, or otherwise, so long as such provision is legally permissible.

Organizer

The name and address of the organizer:

R. Stanton Dodge

Name

9601 South Meridian Boulevard

Street or Mailing Address

Englewood

City

CO 80112

State Zip Code

Effectiveness of Filing of this case A, B, or C

A. ☐ This document becomes effective when the document is filed by the secretary of state.

B. ☐ This document becomes effective at a later date, which is not more than ninety (90) days from the date of signing. The delayed effective date is: _____

C. ☒ This document takes effect upon the occurrence of the future event or fact, other than the passage of time. The 90th day after the date of signing is: March 26, 2008

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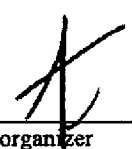
Upon EchoStar DBS Corporation completing the distribution of its EchoStar Technologies Coporation stock to EchoStar

Orbital Corporation.

Execution

The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument.

Date: December 27, 2007



Signature of organizer