

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3916394

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRETT CHESSHER	06/12/2013
SCOTT FILLINGIM	06/12/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EHOSTAR TECHNOLOGIES L.L.C.
<b>Street Address:</b>	100 Inverness Terrace East
<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>
Application Number:	15181203
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	(480) 385-5060
<b>Email:</b>	docketing@ifllaw.com
<b>Correspondent Name:</b>	INGRASSIA FISHER & LORENZ, P.C.
<b>Address Line 1:</b>	7010 EAST COCHISE ROAD
<b>Address Line 4:</b>	SCOTTSDALE, ARIZONA 85253-1406
<b>ATTORNEY DOCKET NUMBER:</b>	066.0379C1_P2013-05-01.1
<b>NAME OF SUBMITTER:</b>	BRETT A. CARLSON
<b>SIGNATURE:</b>	/Brett A. Carlson/
<b>DATE SIGNED:</b>	06/14/2016
<b>Total Attachments: 3</b>	
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source=20160613_Assignment_P2013-05-01-1#page2.tif	
source=20160613_Assignment_P2013-05-01-1#page3.tif	



additional assignments, declarations and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, renewal, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

Assignor agrees that he/she will communicate to Assignee or its representatives any facts known to Assignor respecting said inventions within a reasonable time of discovering or coming into possession of the same.

Assignor authorizes and empowers Assignee, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in Assignor's name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

Assignor hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of Assignee or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Assignor covenants with Assignee, its successors, assigns, legal representatives, and nominees, that to the best of Assignor's knowledge the right, title and interest herein conveyed are free and clear of any encumbrance, and that Assignor has the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above-identified application.

After this Assignment has been recorded, please return it to:

Attn: Max S. Gratton  
Legal Department  
EchoStar Technologies L.L.C.  
100 Inverness Terrace East  
Englewood, CO 80112

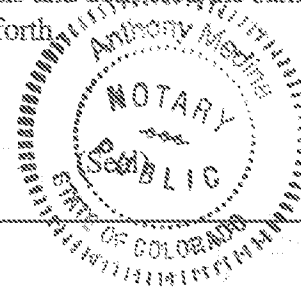
JOINT

Inventor (1): Brett Chessher  
(Name)

Brett Chessher  
(Signature in Full)

On this 12<sup>th</sup> day of June, 2013, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared **BRETT CHESSHER**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

Anthony Medina  
My Commission Expires: 12/16/2013  
Notary Public



JOINT

Inventor (2): Scott Fillingim  
(Name)

Scott Fillingim  
(Signature in Full)

On this 12<sup>th</sup> day of June, 2013, before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared **SCOTT FILLINGIM**, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, seals and delivered the same instrument as a free and voluntary act for the use and purposes therein set forth.

Anthony Medina  
My Commission Expires: 12/16/2013  
Notary Public

