

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3633072

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	EHOSTAR CORPORATION	10/30/2015
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:	14608900
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	jslate@merchantgould.com	
Correspondent Name:	MERCHANT & GOULD P.C.	
Address Line 1:	P.O. BOX 2903	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0903	
ATTORNEY DOCKET NUMBER:	40706.0009US11	
NAME OF SUBMITTER:	ANDREW T. POUZESHI, #67672	
SIGNATURE:	/Andrew T. Pouzeshi/	
DATE SIGNED:	11/25/2015	
Total Attachments: 3		
source=Assignment - Executed - EchoStar Corp to EchoStar Technologies 40706.0009US11#page1.tif		
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PATENT ASSIGNMENT

WHEREAS, EchoStar Corporation, a limited liability company organized and existing under the laws of the State of Nevada, United States of America, and having a principal place of business of 100 Inverness Terrace East, Englewood, CO 80112 ("ASSIGNOR"), owns rights in, to and under the patent applications set forth in the attached Schedule (the "Properties"); and

WHEREAS, EchoStar Technologies L.L.C., a limited liability company organized and existing under the laws of the State of Texas, United States of America and having a principal place of business of 100 Inverness Terrace East, Englewood, Colorado 80112 ("ASSIGNEE"), is desirous of acquiring ASSIGNOR'S entire right, title and interest in, to and under the Properties.

WHEREAS, ASSIGNOR, to the extent they own any right, title and interest in and to the Properties is desirous of assigning any and all such rights, title and/or interest to ASSIGNEE.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the Properties and any and all letters patent or patents in the United States of America, the United Kingdom and all foreign countries which may be granted therefore and thereon (including any divisions, continuations, continuations-in-part, reissues, reexaminations or extensions of letters patents and other related applications arising from, corresponding to and/or claiming priority to any of the Properties) and the registration thereof, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made, and further including all income, royalties, damages and payments for past or future infringements and misappropriations thereof, all rights to sue for past, present and future infringements or misappropriations thereof, and all rights corresponding to any of the above throughout the world and for the full term or terms of assigned Properties:

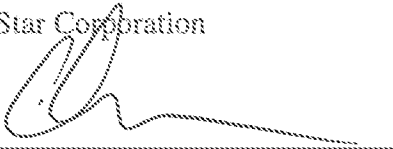
AND for the same consideration, ASSIGNOR hereby covenants and agrees to and with ASSIGNEE, its successors, legal representatives and assigns, that ASSIGNOR will encourage its employees named as inventors on one or more of the assigned Properties, to make, execute and deliver any and all other instruments in writing as may be necessary to assign the Properties to ASSIGNEE, including, but not limited to, any and all further application papers, affidavits, assignments and other documents, and that ASSIGNOR will communicate to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR relating to the Properties, and that ASSIGNOR will testify in all legal proceedings and generally do all things which may be necessary or desirable to more

effectually secure to and vest in ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in and to the Properties;

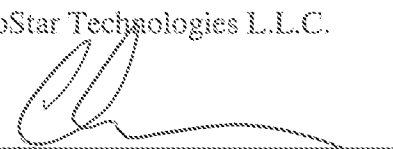
AND THE ASSIGNOR HEREBY authorizes and requests the Commissioner of the United States Patent and Trademark Office, and any official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument

IN WITNESS WHEREOF, the undersigned have executed this Patent Assignment as of the date of the 30th date of October, 2015

EchoStar Corporation

By: 
Name: Dean A. Manson
Title: Executive Vice President,
General Counsel & Secretary

EchoStar Technologies L.L.C.

By: 
Name: Dean A. Manson
Title: Executive Vice President,
General Counsel & Secretary

On this 2nd day of November, 2015 before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared Dean A. Manson, 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.

My Commission Expires: September 26, 2019
Notary Public Rita M. Bartolo

RIITA M BARTOLO
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19914008535
MY COMMISSION EXPIRES SEPTEMBER 26, 2019

On this 2nd day of November, 2015 before me a notary public in and for the county of Arapahoe in the State of Colorado, appeared Dean A. Manson, 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.

My Commission Expires: September 26, 2019
Notary Public Rita M. Bartolo

RIITA M BARTOLO
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 19914008535
MY COMMISSION EXPIRES SEPTEMBER 26, 2019

Schedule A
ASSIGNED PATENT APPLICATIONS

U.S. Application Serial No. 14/608,900, entitled "USB INTERFACE FOR PERFORMING TRANSPORT I/O,"
filed January 29, 2015 (Attorney Docket No. 40706.0009US11).

U.S. Application Serial No. 29/525,632, entitled "SMART CARD INTERFACE," filed April 30, 2015
(Attorney Docket No. 40706.0020US01).