

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3978186

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	MERGER		
<b>EFFECTIVE DATE:</b>	04/17/2015		
<b>CONVEYING PARTY DATA</b>			
	<b>Name</b>	<b>Execution Date</b>	
	ADVANCED SATELLITE RESEARCH, LLC	04/17/2015	
	HELIUS ACQUISITION, LLC	04/17/2015	
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	HELIUS, LLC		
<b>Street Address:</b>	333 S 520 W STE 330		
<b>City:</b>	LINDON		
<b>State/Country:</b>	UTAH		
<b>Postal Code:</b>	84042		
<b>PROPERTY NUMBERS Total: 4</b>			
	<b>Property Type</b>	<b>Number</b>	
	Patent Number:	7117251	
	Patent Number:	6947974	
	Patent Number:	6922719	
	Patent Number:	6205473	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>			
<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>Email:</b>	cory.myers@hughes.com		
<b>Correspondent Name:</b>	CORY MYERS		
<b>Address Line 1:</b>	11717 EXPLORATION DRIVE		
<b>Address Line 4:</b>	GERMANTOWN, MARYLAND 21043		
<b>NAME OF SUBMITTER:</b>	CORY MYERS		
<b>SIGNATURE:</b>	/Cory Myers/ (Reg. No. 68,618)		
<b>DATE SIGNED:</b>	07/26/2016		
	This document serves as an Oath/Declaration (37 CFR 1.63).		
<b>Total Attachments: 5</b>			
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# Delaware

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*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ADVANCED SATELLITE RESEARCH, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"HELIUS ACQUISITION, LLC", A UTAH LIMITED LIABILITY COMPANY, WITH AND INTO "HELIUS, LLC" UNDER THE NAME OF "HELIUS, LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF UTAH, AS RECEIVED AND FILED IN THIS OFFICE THE SEVENTEENTH DAY OF APRIL, A.D. 2015, AT 4:37 O'CLOCK P.M.

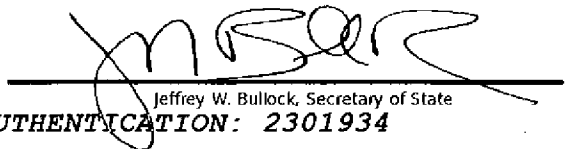
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE TWENTY-SECOND DAY OF APRIL, A.D. 2015, AT 11 O'CLOCK A.M.

5731253 8100M

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You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2301934

DATE: 04-17-15

PATENT  
REEL: 039259 FRAME: 0413

ADVANCED SATELLITE RESEARCH, LLC – DE – 4367405

HELIUS ACQUISITION, LLC – UT - 5731251

**CERTIFICATE OF MERGER**

**OF**

**ADVANCED SATELLITE RESEARCH, LLC,  
a Delaware limited liability company**

**and**

**HELIUS ACQUISITION, LLC,  
a Utah limited liability company**

**WITH AND INTO**

**HELIUS, LLC,  
a Utah limited liability company**

Pursuant to Title 6, Section 18-209 of the Delaware Limited Liability Company  
Act:

1. The name of the surviving limited liability company is Helius, LLC, a Utah limited liability company.
2. The names of the limited liability companies being merged into the surviving limited liability company are Advanced Satellite Research, LLC, a Delaware limited liability company and Helius Acquisition, LLC, a Utah limited liability company.
3. The Agreement and Plan of Merger has been approved and executed by each of the business entities which is to merge or consolidate.
4. This certificate of merger and the merger provided for herein shall be effective at 11:00 a.m., Eastern Daylight Time, on Wednesday, April 22, 2015.
5. The Agreement and Plan of Merger is on file at a place of business of the surviving foreign limited liability company and the address thereof is 11717 Exploration Lane, Germantown, Maryland 20876.
6. A copy of the Agreement and Plan of Merger will be furnished by the surviving foreign limited liability company, on request and without cost, to any member of the domestic limited liability company or any person holding an interest in any other business entity which is to merge or consolidate.
7. The surviving foreign limited liability company agrees that it may be served with process in the State of Delaware in any action, suit or proceeding for the enforcement of any obligation of any domestic limited liability company which is to merge or

consolidate, irrevocably appointing the Secretary of State as its agent to accept service of process in any such action, suit or proceeding and the address to which a copy of such process shall be mailed by the Secretary of State is 11717 Exploration Lane, Germantown, Maryland 20876.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, said limited liability company has caused this certificate to be signed by an authorized person, this 17<sup>th</sup> day of April, 2015.

**HELIUS, LLC**

**BY: HUGHES NETWORK  
SYSTEMS, LLC, Its Sole Member**

By: 

Name: Dean A. Manson

Title: Executive Vice President,  
General Counsel and Secretary