

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ORBITAL TECHNOLOGIES CORPORATION	12/22/2016
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 17</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6101808
Patent Number:	6298659
Patent Number:	6601380
Patent Number:	6865878
Patent Number:	6590403
Patent Number:	7845814
Patent Number:	7878674
Patent Number:	8388163
Patent Number:	8858012
Patent Number:	8066796
Patent Number:	8863694
Patent Number:	8882291
Patent Number:	8763682
Patent Number:	7913499
Patent Number:	7836964
Patent Number:	7992648
Patent Number:	8776904
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<b>PATENT</b>	

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<b>NAME OF SUBMITTER:</b>	FRED C. HERNANDEZ
<b>SIGNATURE:</b>	/FCH/
<b>DATE SIGNED:</b>	12/23/2016

**Total Attachments: 3**  
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source=40198-500 Orbital Technologies Corp assignment#page3.tif

## PATENT ASSIGNMENT

WHEREAS, Orbital Technologies Corporation ("Assignor"), a Wisconsin corporation, with a business address at 1212 Fourier Drive, Madison, Wisconsin 53717, owns the patents, and associated rights, listed in Schedule A that is attached hereto and incorporated herein by reference ("Patents"); and

WHEREAS, Sierra Nevada Corporation ("Assignee"), a Nevada corporation, with a business address at 444 Salomon Circle Sparks, NV 89434, desires to acquire any and all of Assignor's existing rights, title and interest in the Patents.

NOW, THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, Assignor hereby assigns to Assignee all rights, title, and interest in the Patents, as well as the right to sue for and collect damages for past infringements.

Orbital Technologies Corporation

By: 

Name: Eren Ozmen

Title: President

Dated: December 22, 2016

## Schedule A

### Schedule of Granted Patents for Assignment U.S. - Canada

#### Patents

Title	Country	Filing Date	Application No.	Issue Date	Patent Number
CRYOGENIC SOLID HYBRID ROCKET ENGINE AND METHOD OF PROPELLING A ROCKET	US	5/27/1999	09/321231	8/15/2000	6101808
VORTEX FLOW FIELD AND APPARATUS AND METHOD FOR PRODUCING THE SAME	US	6/21/1999	09/337457	10/9/2001	6298659
HYBRID ROCKET ENGINE AND METHOD OF PROPELLING A ROCKET	US	9/26/2001	09/964294	8/5/2003	6601380
HYBRID ROCKET ENGINE AND METHOD OF PROPELLING A ROCKET	US	7/30/2003	10/630091	3/15/2005	6865878
MATERIAL REGRESSION SENSOR	US	4/11/2001	09/832471	7/8/2003	6590403
MARINE LED LIGHTING SYSTEM AND METHOD	US	10/27/2008	12/258897	12/7/2010	7845814
MARINE LED LIGHTING SYSTEM AND METHOD	US	1/6/2009	12/349156	2/1/2011	7878674
MARINE LED LIGHTING SYSTEM AND METHOD	US	6/22/2011	13/166430	3/5/2013	8388163
MARINE LED LIGHTING SYSTEM AND METHOD	US	3/1/2013	13/782088	10/14/2014	8858012
PROCESS TO CREATE SIMULATED LUNAR AGGLUTINATE PARTICLES	US	1/22/2008	12/017681	11/29/2011	8066796
UPGRADEABLE CONTROL SYSTEM FOR AQUARIUM LIGHTING	US	9/21/2011	13/238637	10/21/2014	8863694
LED OMNI-STRIP LIGHTING SYSTEM	US	3/20/2012	13/424664	11/11/2014	8882291
CONDENSING HEAT EXCHANGER WITH HYDROPHILIC ANTIMICROBIAL COATING	US	6/20/2008	12/143595	7/1/2014	8763682
MICROGRAVITY CONDENSING HEAT EXCHANGER	US	7/1/2008	12/166233	3/29/2011	7913499
ALL-TERRAIN, DRIVE-BY-WIRE, HIGH-PRESSURE, FIRE FIGHTING APPARATUS	US	8/14/2008	12/191934	11/23/2010	7836964
LIGHT ULTRA HIGH PRESSURE FIRE VEHICLE SYSTEM	US	4/22/2009	12/428298	8/9/2011	7992648

LIGHT ULTRA HIGH PRESSURE FIRE VEHICLE SYSTEM	US	10/21/2011	13/265824	7/15/2014	8776904
ALL-TERRAIN, DRIVE-BY-WIRE, HIGH-PRESSURE, FIRE FIGHTING APPARATUS	CA	7/21/2009	2673551	4/7/2015	2673551
LIGHT ULTRA HIGH PRESSURE FIRE VEHICLE SYSTEM	CA	10/19/2009	2683263	3/24/2015	2683263