

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM476950

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Bank of America, N.A.		05/20/2018	Corporation:
RECEIVING PARTY DATA			
Name:	Alliant Techsystems Inc.		
Street Address:	4700 Nathan Lane		
City:	Plymouth		
State/Country:	MINNESOTA		
Postal Code:	55442		
Entity Type:	Corporation: DELAWARE		
Name:	ATK/Physical Sciences, Inc.		
Street Address:	4700 Nathan lane		
City:	Plymouth		
State/Country:	MINNESOTA		
Postal Code:	55442		
Entity Type:	Corporation: DELAWARE		
Name:	Orbital Sciences Corporation		
Street Address:	4700 Nathan Lane		
City:	Plymouth		
State/Country:	MINNESOTA		
Postal Code:	55442		
Entity Type:	Corporation: DELAWARE		
Name:	Orbital ATK, Inc.		
Street Address:	4700 Nathan Lane		
City:	Plymouth		
State/Country:	MINNESOTA		
Postal Code:	55442		
Entity Type:	Corporation: DELAWARE		
PROPERTY NUMBERS Total: 6			
Property Type	Number	Word Mark	
Serial Number:	75349524	ORBITAL	

CH \$165.00 75349524

Property Type	Number	Word Mark
Serial Number:	73775548	PEGASUS
Serial Number:	73775551	PEGASUS
Serial Number:	73775549	PEGASUS
Serial Number:	73775552	PEGASUS
Serial Number:	74124371	TAURUS

CORRESPONDENCE DATA

Fax Number:

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.

Email: deborah.ledbeter@orbitalatk.com

Correspondent Name: Debbie Ledbeter

Address Line 1: 4700 Nathan Lane

Address Line 2: MN07-LW58

Address Line 4: Plymouth, MINNESOTA 55442

NAME OF SUBMITTER:	Christopher Dorsey
SIGNATURE:	/Christopher Dorsey/
DATE SIGNED:	06/06/2018

Total Attachments: 8

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- source=BOA Release#page2.tif
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INTELLECTUAL PROPERTY SECURITY AGREEMENT RELEASE

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT RELEASE (this "**Release**") is made effective as of May 20, 2018, by Bank of America, N.A. ("**Bank of America**"), as Agent (the "**Agent**") for the Secured Parties (as defined in the Credit Agreement referred to below), in favor of Alliant Techsystems Inc.; ATK/Physical Sciences, Inc.; Orbital Sciences Corporation; and Orbital ATK, Inc. (collectively, the "**Grantors**").

WHEREAS, Alliant Techsystems Inc., a Delaware corporation, was party to that certain Second Amended and Restated Credit Agreement dated as of March 31, 2004, as amended and restated pursuant to that certain Third Amended and Restated Credit Agreement dated as of November 1, 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**"), with Bank of America, as Agent, and the other Agents and the Arrangers party thereto. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement;

WHEREAS, in connection with the Credit Agreement, each Grantor entered into that certain Second Amended and Restated Security Agreement dated March 31, 2004 made by the Grantors to the Agent, as amended and restated pursuant to that certain Third Amended and Restated Security Agreement dated November 1, 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "**Security Agreement**").

WHEREAS, under the terms of the Security Agreement, the Grantors entered into certain Intellectual Property Security Agreements and/or Intellectual Property Security Agreement Supplements (collectively, the "**IP Security Agreements**" and each, an "**IP Security Agreement**") whereby the Grantors granted to the Agent a security interest in and to certain intellectual property of the Grantors;

WHEREAS, certain IP Security Agreements were recorded with the United States Patent and Trademark Office (i) (A) on May 28, 2004 at Reel 014730 and Frame 0001, (B) on November 4, 2010 at Reel 025321 and Frame 0291, (C) on November 26, 2013 at Reel 031731 and Frame 0281, and (D) on February 23, 2015 at Reel 35065 and Frame 0120, with respect to U.S. patents and patent applications, and (i) on May 28, 2004 at Reel 5464 and Frame 0436 with respect to U.S. trademarks and trademark applications;

WHEREAS, pursuant to that certain letter regarding Termination of Senior Credit Facility, dated as of September 29, 2015 (the "**Payoff Letter**"), from the Agent to Orbital ATK, Inc., the Credit Agreement and all other Loan Documents, including the Security Agreement and IP Security Agreements, were terminated and all liens and security interests granted to the Agent and the Lenders in the personal or real property of the Loan Parties, including the Grantors, were released;

WHEREAS, pursuant to the Payoff Letter, the Agent is authorized to execute and deliver any release documents as reasonably requested and necessary to release, as of record, the security interests and all notices of security interests and liens previously filed by the Agent under the Loan Documents; and

WHEREAS, in accordance with the provisions of the IP Security Agreement, the Agent now desires to release its security interest in and to the Collateral (as defined below).

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

SECTION 1. Release of Grant of Security. The Agent hereby releases to the Grantors its security interest in all of the Grantors' right, title and interest in and to the following (the "***Collateral***"):

- (i) all patents and patent applications set forth in Schedule A hereto (the "***Patents***");
- (ii) all trademarks, service marks, domain names, trade dress, logos, designs, slogans, trade names, business names, corporate names and other source identifiers, whether registered or unregistered set forth in Schedule B hereto, together, in each case, with the goodwill symbolized thereby (the "***Trademarks***");
- (iii) all copyrights, whether registered or unregistered, now owned or hereafter acquired by Grantors, including, without limitation, the copyright registrations and applications and exclusive copyright licenses set forth in Schedule C hereto (the "***Copyrights***");
- (iv) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of Grantors accruing thereunder or pertaining thereto;
- (v) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing; and
- (vi) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.

SECTION 2. Recordation. The Agent authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this Release.

SECTION 3. Governing Law. This Release shall be governed by, and construed in accordance with, the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized officer.

BANK OF AMERICA, N.A., as Agent

By: Brenda Schriener

Name: Brenda Schriener

Title: Vice President

[Signature Page – IP Security Agreement Release]

TRADEMARK

REEL: 006347 FRAME: 0395

SCHEDULE A
PATENTS

Application Number	Filing Date	Security Interest No.	Security Interest Date	Owner
		025321/0291 (Release granted but not recorded in 36816-0624)	11/4/2010	Alliant Techsystems Inc.
12/323403	25-Nov-2008	031731/0281	11/26/2013	
13/616277	14-Sep-2012	031731/0281	11/26/2013	Orbital ATK, Inc.
		025321/0291 (Release granted but not recorded in 36816-0624)	11/4/2010	
11/086789	22-Mar-2005	031731/0281	11/26/2013	ATK/Physical Sciences Inc.
		025321/0291 (Release granted but not recorded in 36816-0624)	11/4/2010	
12/250081	13-Oct-2008	031731/0281	11/26/2013	Alliant Techsystems Inc.
12/879496	10-Sep-2010	031731/0281	11/26/2013	Alliant Techsystems Inc.
13/606424	07-Sep-2012	031731/0281	11/26/2013	Alliant Techsystems Inc.
09/755422	05-Jan-2001	031731/0281	11/26/2013	Alliant Techsystems Inc.
08/997923	24-Dec-1997	35065/0120	2/23/2015	Orbital Sciences Corporation
10/856801	01-Jun-2004	35065/0120	2/23/2015	Orbital Sciences Corporation
09/944781	30-Aug-2001	35065/0120	2/23/2015	Orbital Sciences Corporation
10/456317	06-Jun-2003	35065/0120	2/23/2015	Orbital Sciences Corporation
10/456760	06-Jun-2003	35065/0120	2/23/2015	Orbital Sciences Corporation
12/778046	11-May-2010	35065/0120	2/23/2015	Orbital Sciences Corporation
13/438377	03-Apr-2012	35065/0120	2/23/2015	Orbital Sciences Corporation
12/185717	04-Aug-2008	35065/0120	2/23/2015	Orbital Sciences Corporation
13/740672	14-Jan-2013	35065/0120	2/23/2015	Orbital Sciences Corporation
09/938983	24-Aug-2001	35065/0120	2/23/2015	Orbital Sciences Corporation
12/874211	01-Sep-2010	35065/0120	2/23/2015	Orbital Sciences Corporation
13/558080	25-Jul-2012	35065/0120	2/23/2015	Orbital Sciences Corporation
13/834214	15-Mar-2013	35065/0120	2/23/2015	Orbital Sciences Corporation

09/795690	28-Feb-2001	014730/0001		5/28/2004	Orbital ATK, Inc.
07/376813	07-Jul-1989	031731/0281		11/26/2013	Orbital ATK, Inc.
11/758825	06-Jun-2007	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
13/616277	14-Sep-2012	031731/0281		11/26/2013	Orbital ATK, Inc.
11/861477	26-Sep-2007	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
13/951720	26-Jul-2013	031731/0281		11/26/2013	Orbital ATK, Inc.
11/876841	23-Oct-2007	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
12/252278	15-Oct-2008	031731/0281		11/26/2013	Orbital ATK, Inc.
11/933883	01-Nov-2007	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
10/890382	14-Jul-2004	031731/0281		11/26/2013	Orbital ATK, Inc.
10/694387	28-Oct-2003	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
11/275105	09-Dec-2005	031731/0281		11/26/2013	Orbital ATK, Inc.
12/484917	15-Jun-2009	025321/0291 (Release granted but not recorded in 36816-0624)		11/4/2010	Orbital ATK, Inc.
13/608571	10-Sep-2012	031731/0281		11/26/2013	Orbital ATK, Inc.
13/608824	10-Sep-2012	031731/0281		11/26/2013	Orbital ATK, Inc.

13/593737	24-Aug-2012	031731/0281	11/26/2013	Orbital ATK, Inc./EpicentRx, Inc.
13/599709	30-Aug-2012	031731/0281	11/26/2013	Orbital ATK, Inc./ACENT Laboratories
12/899961	07-Oct-2010	031731/0281	11/26/2013	Orbital ATK, Inc.
12/900011	07-Oct-2010	031731/0281	11/26/2013	Orbital ATK, Inc.
13/745196	18-Jan-2013	031731/0281	11/26/2013	Orbital ATK, Inc.
13/550705	17-Jul-2012	031731/0281	11/26/2013	Orbital ATK, Inc.
13/486941	01-Jun-2012	031731/0281	11/26/2013	Orbital ATK, Inc.
13/567794	06-Aug-2012	031731/0281	11/26/2013	Orbital ATK, Inc.
13/734661	04-Jan-2013	031731/0281	11/26/2013	Orbital ATK, Inc.

SCHEDULE B
TRADEMARKS

Trademark	Application Number	Registration Number	Security Interest No.	Owner
ORBITAL & Design	75/349524	2264116	5464/0436	Orbital Sciences Corporation
PEGASUS & Design	73/775548	1604987	5464/0436	Orbital Sciences Corporation
PEGASUS & Design	73/775551	1605426	5464/0436	Orbital Sciences Corporation
PEGASUS	73/775549	1605972	5464/0436	Orbital Sciences Corporation
PEGASUS	73/775552	1604510	5464/0436	Orbital Sciences Corporation
TAURUS	74/124371	1793206	5464/0436	Orbital Sciences Corporation

SCHEDULE C

COPYRIGHTS

None.

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