

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
General Dynamics Advanced Information Systems, Inc.	04/02/2010
RECEIVING PARTY DATA	
Name:	Orbital Sciences Corporation
Street Address:	21839 Atlantic Boulevard
City:	Dulles
State/Country:	VIRGINIA
Postal Code:	20166
PROPERTY NUMBERS Total: 6	
Property Type	Number
Patent Number:	5314146
Patent Number:	5518209
Patent Number:	6667713
Patent Number:	6597258
Patent Number:	6707350
Patent Number:	6771222
CORRESPONDENCE DATA	
Fax Number:	(703)610-6200
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	703-610-6100
Email:	boxip@hhlaw.com
Correspondent Name:	Cullen G. Taylor, Hogan & Hartson L.L.P.
Address Line 1:	7930 Jones Branch Drive
Address Line 2:	Box Intellectual Property
Address Line 4:	McLean, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	66878.67

CH \$240.00 5314146

501142637

PATENT
REEL: 024202 FRAME: 0339

NAME OF SUBMITTER:

Cullen G. Taylor

Total Attachments: 4

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ASSIGNMENT OF PATENTS

THIS ASSIGNMENT OF PATENTS (this "Patent Assignment") is entered into April 2, 2010 (the "Effective Date") by and between General Dynamics Advanced Information Systems, Inc., a Delaware corporation ("Assignor"), and Orbital Sciences Corporation, a Delaware corporation ("Assignee"). This Patent Assignment is being entered into pursuant to that certain Asset Purchase Agreement dated as of March 4, 2010, by and among Assignor, Assignee and General Dynamics Corporation, a Delaware corporation (with respect solely to Section 12.14) (as amended, modified or supplemented in accordance with its terms, the "Purchase Agreement").

FOR GOOD AND VALUABLE CONSIDERATION as recited in the Purchase Agreement, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, effective as of 11:59 p.m., Eastern time, on the Effective Date, Assignor hereby sells, transfers, assigns, conveys and delivers to Assignee, and its successors and assigns, all right, title and interest worldwide that Assignor or any of its Affiliates possesses in and to the patents and patent applications listed on Schedule A attached hereto (which is incorporated into and made a part of this Patent Assignment) (including without limitation, any reissues, reexaminations, divisions, provisionals, pending applications, continuations, continuations-in-part, continued prosecution applications, supplemental protection certificates, extensions or renewals thereof) and the inventions and discoveries claimed therein, and Assignor's right to file applications on such inventions and discoveries, together with all rights to sue and recover for any past, present or future infringement, damage or injury (and including the right to take over and continue any and all existing suits) to any of the foregoing and collect income, royalties, profits or damages with respect to same, the same to be held and enjoyed hereinafter by Assignee for its own use and for the use of its successors and assigns, to the full end of the term or terms for which Letters Patent or patents may be granted as fully and as entirely as the same would have been held and enjoyed by Assignor had this sale and assignment not been made. Assignor and Assignee hereby direct the U.S. Commissioner of Patents and Trademarks and any official in any country foreign to the United States whose duty it is to issue patents, to issue or transfer all such Letters Patent and patents to Assignee, its successors and assigns and legal representatives, or as directed by any of them.

This Patent Assignment is binding upon Assignor, its successors and assigns and will inure to the benefit of Assignee, its successors and assigns. In the event of any conflict or inconsistency between the terms of this Patent Assignment and the terms of the Purchase Agreement, the terms of the Purchase Agreement will prevail. Nothing contained herein shall be deemed to alter, modify, expand or diminish the terms of the Purchase Agreement.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned parties have caused this Patent Assignment to be executed as of the Effective Date.

ORBITAL SCIENCES CORPORATION

By: David W. Thompson

Name: David W. Thompson

Its: Chairman and Chief Executive Officer

GENERAL DYNAMICS ADVANCED
INFORMATION SYSTEMS, INC.

By: _____

Name: _____

Its: _____

COMMONWEALTH OF

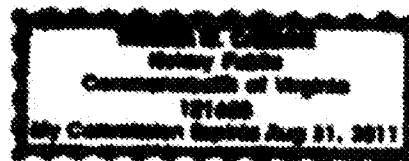
VIRGINIA

COUNTY OF Loudoun) SS.

On this 24th day of March, 2010, there appeared before me David W. Thompson, personally known to me, who acknowledged that he signed the foregoing Patent Assignment as his voluntary act and deed on behalf and with full authority of Orbital Sciences Corporation.

WITNESS my hand and official seal.

Signature Phyllis M. Cardine (Seal)



COMMONWEALTH OF

VIRGINIA

COUNTY OF _____) SS.

On this _____ day of _____, 2010, there appeared before me _____, personally known to me, who acknowledged that he signed the foregoing Patent Assignment as his voluntary act and deed on behalf and with full authority of General Dynamics Advanced Information Systems, Inc.

WITNESS my hand and official seal.

Signature _____ (Seal)

SIGNATURE PAGE TO ASSIGNMENT OF PATENTS

IN WITNESS WHEREOF, the undersigned parties have caused this Patent Assignment to be executed as of the Effective Date.

ORBITAL SCIENCES CORPORATION

By: _____

Name: _____

Its: _____

**GENERAL DYNAMICS ADVANCED
INFORMATION SYSTEMS, INC.**

11/11/11

Name: Gilroy S. Gallopoulos

Its: Vice President

COMMONWEALTH OF

VIRGINIA

)

) SS.

COUNTY OF

)

On this ____ day of _____, 2010, there appeared before me _____, personally known to me, who acknowledged that he signed the foregoing Patent Assignment as his voluntary act and deed on behalf and with full authority of Orbital Sciences Corporation.

WITNESS my hand and official seal.

Signature _____ **(Seal)**

COMMONWEALTH OF

VIRGINIA

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) SS.

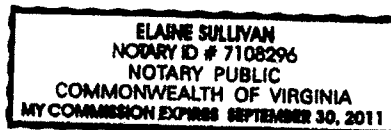
COUNTY OF

)

On this 1st day of April, 2010, there appeared before me Gregory Gallopoulos, personally known to me, who acknowledged that he signed the foregoing Patent Assignment as his voluntary act and deed on behalf and with full authority of General Dynamics Advanced Information Systems, Inc.

WITNESS my hand and official seal.

Signature Elaine Sullivan (Seal)



SIGNATURE PAGE TO ASSIGNMENT OF PATENTS

PATENT
REEL: 024202 FRAME: 0343

SCHEDULE A

Patents

Title	Application Filing Date	Application Number	Patent Number	Patent Grant Date	Patent Expiration Date
Multi-Mission Spacecraft Bus Having Space Frame Structural Design	3/13/1992	07/851,043	5,314,146	5/24/1994	3/13/2012
Multi-Mission Spacecraft Bus Having Space Frame Structural Design	2/7/1994	08/192,566	5,518,209	5/21/1996	2/7/2014
Self Monitoring Satellite System	8/24/2001	09/938,983	6,667,713	12/23/2003	10/13/2021
PCB Trace-Formed High Performance Diplexer and Method	8/30/2001	09/944,781	6,597,258	7/22/2003	8/30/2021
Distributive Multiplexer for Space Applications	6/6/2003	10/456,317	6,707,350	3/16/2004	6/6/2023
Phase-Array Antenna Diplexing	6/6/2003	10/456,760	6,771,222	8/3/2004	6/6/2023