

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Huntington Ingalls Industries Incorporated (previously known as Northrop Grumman Shipbuilding, Inc.)</td> <td>03/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Huntington Ingalls Industries Incorporated (previously known as Northrop Grumman Shipbuilding, Inc.)	03/15/2012
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Huntington Ingalls Industries Incorporated (previously known as Northrop Grumman Shipbuilding, Inc.)	03/15/2012				
RECEIVING PARTY DATA					
Name:	Northrop Grumman Systems Corporation				
Street Address:	1840 Century Park East				
City:	Los Angeles				
State/Country:	CALIFORNIA				
Postal Code:	90067				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12730076</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12730076
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Application Number:	12730076				
CORRESPONDENCE DATA					
Fax Number:	(650)838-2001				
Phone:	650-838-2000				
Email:	tami.tucker@alston.com				
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>					
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Address Line 4:	Charlotte, NORTH CAROLINA 28280-4000				
ATTORNEY DOCKET NUMBER:	034726-386151				
NAME OF SUBMITTER:	Adam M. Kaplan				
Total Attachments: 3 source=386151Shipbuldingto Systems#page1.tif source=386151Shipbuldingto Systems#page2.tif source=386151Shipbuldingto Systems#page3.tif					

CH \$40.00 12730076

ASSIGNMENT

THIS ASSIGNMENT, made by **HUNTINGTON INGALLS INDUSTRIES INCORPORATED (PREVIOUSLY KNOWN AS NORTHROP GRUMMAN SHIPBUILDING, INC.)**, a corporation of the state of Delaware, having its principal place of business at 4101 Washington Avenue, Bldg. 909-7, Newport News, VA 23607 (and previously having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199), acting on behalf of itself and **HUNTINGTON INGALLS INCORPORATED**, a corporation of the state of Virginia, having its principal place of business at 4101 Washington Avenue, Bldg. 909-7, Newport News, VA 23607 (and previously having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199) hereinafter referred to collectively as Assignor;

WITNESSETH: That,

WHEREAS, as shown by the records of the United States Patent and Trademark Office, Assignor has previously acquired all right, title, and interest in and to United States patent application no. 12/730,076 and in and to all patent applications proceeding therefrom and all patents issuing therefrom worldwide, and in and to the inventions represented thereby (all hereinafter referred to as the "Patents"); and,

WHEREAS **NORTHROP GRUMMAN SYSTEMS CORPORATION**, a corporation of the state of California, having its principal place of business at 1840 Century Park East, Los Angeles, CA 90067, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said Patents and in and to the inventions represented thereby; and

WHEREAS, the parties have agreed to the Assignment hereinafter set forth;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the above Assignor has and by these presents does hereby assign, transfer, and convey unto the said Assignee, its successors and assigns, its entire right, title, and interest in and to said Patents and the inventions represented thereby, and any and all continuations, continuations-in-part, or divisions thereof, and any and all Letters Patent or reissues, reexaminations, or extensions thereof which may be granted therefor or thereon, to the full end of the term for which said Letters Patent

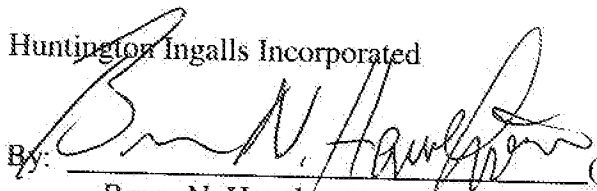
may be granted, together with the right to claim priority in all foreign countries in accordance with the International Convention; all rights corresponding to said Patents in foreign countries throughout the world; and all of its rights to sue for past infringement of said Patents worldwide, together with all claims for damage by reason of past infringement of said Patents, with the right to sue for, and collect the same for Assignee's own use and enjoyment; all to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

From time to time after the date hereof, at the request of either party hereto, and at the expense of the party so requesting, each of the parties hereto shall execute and deliver to such requesting party such documents and take such other action as such requesting party may reasonably request in order to consummate more effectively the transactions contemplated hereby.

The Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, it possesses full title to the inventions and Patents thereon as earlier identified, and that it has the unencumbered right and authority to make this assignment.

^{15th} IN WITNESS WHEREOF, the Assignor has caused this assignment to be executed this _____ day of March, 2012.

Huntington Ingalls Incorporated

By:  (SEAL)
Bruce N. Hawthorne

Its: Corporate Vice President
General Counsel and Secretary

STATE OF Virginia)
City)
COUNTY OF Newport News)

I, Kathy Sharon Owen, a Notary Public for said County and State, do hereby certify that Bruce N. Hawthorne, personally came before me this day and acknowledged that he is Vice President, General Counsel and Secretary of Huntington Ingalls Industries Incorporated and acknowledged, on behalf of Huntington Ingalls Incorporated, the due execution of the foregoing instrument.

Witness my hand and official seal, this the 15th day of March, 2012.

(Official Seal)

Kathy Sharon Owen
Notary Public

My commission expires: 3/31/2015

