

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Newport News Shipbuilding and Dry Dock Company	12/16/2010
RECEIVING PARTY DATA	
Name:	Northrop Grumman Shipbuilding, Inc.
Street Address:	4101 Washington Avenue
City:	Newport News
State/Country:	VIRGINIA
Postal Code:	23607
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	7746084
Patent Number:	7837175
Application Number:	12248749
CORRESPONDENCE DATA	
Fax Number:	(704)444-1111
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	704-444-1000
Email:	kim.shaul@alston.com
Correspondent Name:	Alston & Bird LLP
Address Line 1:	Bank of America Plaza
Address Line 2:	101 South Tryon Street, Suite 4000
Address Line 4:	Charlotte, NORTH CAROLINA 28280-4000
ATTORNEY DOCKET NUMBER:	034726/397686
NAME OF SUBMITTER:	Guy R. Gosnell
Total Attachments: 5 source=NNSDDCtoNGSI#page1.tif	

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ASSIGNMENT

THIS ASSIGNMENT, made by **NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY**, a corporation of the state of Virginia, having its principal place of business at 1840 Century Park East, Los Angeles, California 90067 US, hereinafter referred to as Assignor;

WITNESSETH: That,

WHEREAS, Assignor has previously acquired all right, title, and interest in and to the United States patents and/or patent applications identified on the attached Schedule A, and in and to the inventions represented thereby (all hereinafter referred to as the "Patents"); and,

WHEREAS, **NORTHROP GRUMMAN SHIPBUILDING, INC.**, a corporation of the state of Virginia, having its principal place of business at 4101 Washington Avenue, Newport News, Virginia 23607 US, 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 sold and by these presents does hereby sell, 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.

Signatures to Appear on Following Pages

IN WITNESS WHEREOF, the Assignor has caused this assignment to be executed this
16th day of December, 2010.

NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY

By: Kathleen M. Salmas (SEAL)
Kathleen M. Salmas
Its: Secretary

STATE OF California)
COUNTY OF Los Angeles)

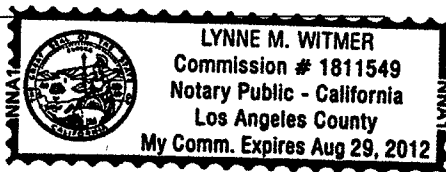
I, Lynne M. Witmer, a Notary Public for said County and State, do hereby
certify that Kathleen M. Salmas, personally came before me this day and acknowledged that she
is Secretary of **NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY** and
acknowledged, on behalf of **NEWPORT NEWS SHIPBUILDING AND DRY DOCK
COMPANY**, the due execution of the foregoing instrument.

Witness my hand and official seal, this the 16 day of December, 2010.

(Official Seal)

Lynne M. Witmer
Notary Public

My commission expires: _____



IN WITNESS WHEREOF, the Assignee has accepted this assignment and caused this assignment to be executed this 16th day of December, 2010.

NORTHROP GRUMMAN SHIPBUILDING, INC.

By: Kathleen M. Salmas (SEAL)
Kathleen M. Salmas

Its: Secretary

STATE OF California)

COUNTY OF Los Angeles)

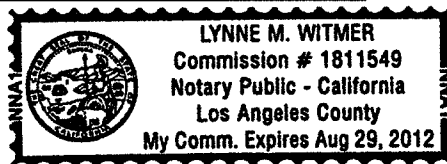
I, Lynne M. Witmer, a Notary Public for said County and State, do hereby certify that Kathleen M. Salmas, personally came before me this day and acknowledged that she is Secretary of **NORTHROP GRUMMAN SHIPBUILDING, INC.** and acknowledged, on behalf of **NORTHROP GRUMMAN SHIPBUILDING, INC.** the due execution of the foregoing instrument.

Witness my hand and official seal, this the 16 day of December, 2010.

(Official Seal)

Lynne M. Witmer
Notary Public

My commission expires: _____



SCHEDULE A

Docket Number	Title	Country	Application No.	Filing Date	Patent No.	Grant Date
001671-270/US/NPV	Impedance Measurement Using Line-to-Line Current Injection	United States of America	1 1867 965	10/5/2007	7746084	6/29/2010
001671-270-US	Method and System for AC Impedance Measurement by Line-to-Line Injected Current	United States of America	60849559	10/5/2006		
001961-270/US	Variable Torque Valve Actuator	United States of America	1 1766 154	6/21/2007	7837175	11/23/2010
002345-270/US	Shock Simulation Generator	United States of America	12248749	10/9/2008		
002345-270/US/PRV	Barge Environment Shock Test (BEST) Machine	United States of America	60978433	10/9/2007		
003011-270/US/NPV	Overhead Servicing of Machines	United States of America	12500360	7/9/2009		
003011-270/US/PRV	Overhead Service Platform (OSP)	United States of America	61083078	7/23/2008		
003641-270/US/NPV	Tuned Rolling Wave Energy Extraction	United States of America	12544616	8/20/2009		
002415-270	Stabilization Tool for Cres Furniture Sleeves					

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RECORDED: 01/04/2011