

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Justin C. Morse	10/16/2006
Lawrence E. Rainey	10/16/2006
Andre Richards	10/16/2006
RECEIVING PARTY DATA	
Name:	Northrop Grumman Systems Corporation
Street Address:	1840 Century Park East
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90067-2199
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11553140
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: sheila.hayes@alston.com Correspondent Name: Alston & Bird LLP Address Line 1: 101 S. Tryon St., Ste. 4000 Address Line 2: Glen R. Drysdale Address Line 4: Charlotte, NORTH CAROLINA 28280	
ATTORNEY DOCKET NUMBER:	034726/309535
NAME OF SUBMITTER:	Glen R. Drysdale, Reg. No. 56,342
Total Attachments: 4 source=034726-309535-ASSGN_20061026141157#page1.tif	

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**PATENT**  
**REEL: 018439 FRAME: 0906**

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## ASSIGNMENT

WHEREAS, I/we **Justin C. Morse, Lawrence E. Rainey and Andre Richards** hereinafter referred to as Assignor have invented certain new and useful improvements **STEERING SYSTEM AND AN ASSOCIATED VESSEL** described in an application for United States Letters Patent, executed by me/us on the date as stated below;

WHEREAS, **Northrop Grumman Systems Corporation**, a Delaware corporation, having its principal place of business at 1840 Century Park East, Los Angeles, CA 90067-2199, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under said improvements and said application:

NOW, THEREFORE, in consideration of Assignor's obligations to Northrop Grumman Systems Corporation, and for other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor hereby acknowledges that at the time of making the improvements herein identified, Assignor was under an obligation to assign to Assignee, Assignor's entire right, title and interest in, to and under said improvements;

Assignor hereby covenants that Assignor has full right to convey the interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith and that Assignee, Northrop Grumman Systems Corporation, its successors, assigns and other legal representatives shall have the right to hold and enjoy for its and their own use and benefit, to the end of the term or terms for which such Letters Patent shall or may be granted, reissued or extended as fully and completely as the same right or could have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby further covenants and agrees to communicate to Assignee, its successors, legal representatives and assigns, any and all facts known to Assignor respecting said improvements; to promptly provide Assignor with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignor; to testify as to the same in any interference or litigation or other legal proceedings related thereto; to sign all lawful papers, execute all extensions, continuations, continuations-in-part, divisional and reissue applications; and to make all rightful oaths or declarations and generally do everything possible to aid Assignee, its successors, legal representatives and assigns in obtaining and enforcing all the rights herein conveyed for said improvements in all countries without further compensation, but at the expense of Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this \_\_\_\_\_ day of \_\_\_\_\_, 2006, and has executed the referenced patent application on the \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Justin C. Morse  
Assignor's Signature

STATE OF Virginia )  
COUNTY OF Albemarle ) ss

On 16 Oct 2006 before me, Janet Clatterbuck, personally appeared **Justin C. Morse**, personally known to me – or – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Janet Clatterbuck  
Notary's Signature  
(Seal)

MY COMMISSION EXPIRES SEPTEMBER 30, 2010

Lawrence E Rainey  
Assignor's Signature

STATE OF Virginia )  
COUNTY OF Albemarle ) ss

On 16 Oct 2006 before me, James Clatterbuck, personally appeared **Lawrence E. Rainey**, personally known to me – or – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

James Clatterbuck  
Notary's Signature  
(Seal)

**MY COMMISSION EXPIRES SEPTEMBER 30, 2010**

Andre Richards  
Assignor's Signature

STATE OF Virginia )  
COUNTY OF Albemarle ) ss

On 16 Oct 06 before me, Janet Clatterbuck, personally appeared **Andre Richards**, personally known to me – or – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Janet Clatterbuck  
Notary's Signature  
(Seal)

**MY COMMISSION EXPIRES SEPTEMBER 30, 2010**

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