

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

S. M. Kolodgie M. J. Lavery M. W. Lim N. E. McCreedy
X. Melendez A. R. Noble R. M. Ragsdale M. Serbinski
W. H. Thomas II B. T. McLintock

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) Oct 31 Nov 1, 7, 20, 21, 22, 30 Dec 1 Jan 23

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other (exc yrs Oct, Nov, Dec: 2011, Jan: 2012)

2. Name and address of receiving party(ies)

Name: United States of America, Represented by Sec. of Navy

Internal Address: Chief of Naval Research

Office of Counsel, Code 00CCIP

Street Address: 1 Liberty Center

875 N. Randolph Street

City: Arlington

State: VA

Country: US Zip: 22203-1995

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)
13/374,183 (Docket Navy Case 100616)

☐ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Gerhard W. Thielman

Internal Address: Office of Counsel, Code C74

Naval Surface Warfare Center Dahlgren Division

Street Address: 17632 Dahlgren Road

Suite 158

City: Dahlgren

State: VA Zip: 22448-5110

Phone Number: (540)653-8061

Fax Number: (540)653-8879

Email Address: gerhard.thielman@navy.mil

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

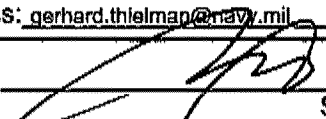
8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-0967

Authorized User Name Gerhard W. Thielman

9. Signature:


Signature

January 24, 2012

Date

Gerhard W. Thielman, Reg. 43,186

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

10

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 500967 13374183

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinstki of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McIntook of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 31 October 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

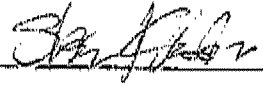

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

<u>10/31/11</u>		Seal			Seal
Date	Shawn M. Kolodgie		Date	Michael J. Lavery	
		Seal			Seal
Date	Michael W. Lim		Date	Nicholas E. McCready	
		Seal			Seal
Date	Xavier Melendez		Date	Ashley R. Noble	
<u>10/31/11</u>		Seal			Seal
Date	Ryan M. Ragsdale		Date	Matthew Serbinstki	
		Seal			Seal
Date	William Howard Thomas II		Date	Brian Thomas McIntook	

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PAGE 03

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruthers Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 23 January 2012, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	_____ Seal	<u>1/23/12</u>	<u>Michael J. Lavery</u> Seal
Date	Shawn M. Kolodgie	Date	Michael J. Lavery
_____	_____ Seal	_____	_____ Seal
Date	Michael W. Lim	Date	Nicholas E. McCready
_____	_____ Seal	_____	_____ Seal
Date	Xavier Melendez	Date	Ashley R. Noble
_____	_____ Seal	_____	_____ Seal
Date	Ryan M. Ragdale	Date	Matthew Serbinski
_____	_____ Seal	_____	_____ Seal
Date	William Howard Thomas II	Date	Brian Thomas McLintock

PATENT**REEL: 027580 FRAME: 0552**

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22533; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 21 November 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(n) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____ Seal	_____ Seal
Date Shawn M. Kolodgie	Date Michael J. Lavery
<u>11/21/11</u> _____ Seal	_____ Seal
Date Michael W. Lim	Date Nicholas E. McCready
_____ Seal	_____ Seal
Date Xavier Melendez	Date Ashley R. Noble
_____ Seal	_____ Seal
Date Ryan M. Ragsdale	Date Matthew Serbinski
_____ Seal	_____ Seal
Date William Howard Thomas II	Date Brian Thomas McLintock

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22403; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 29 November 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(n) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	Seal	_____	Seal
Date	Shawn M. Kolodgie	Date	Michael J. Lavery
_____	Seal	<u>11/25/2011</u>	Seal
Date	Michael W. Lim	Date	Nicholas E. McCready
_____	Seal	_____	Seal
Date	Xavier Melendez	Date	Ashley R. Noble
_____	Seal	_____	Seal
Date	Ryan M. Ragsdale	Date	Matthew Serbinski
_____	Seal	_____	Seal
Date	William Howard Thomas II	Date	Brian Thomas McLintock

PATENT**REEL: 027580 FRAME: 0554**

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavry of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 30 November 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

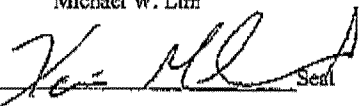
WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	_____ Seal	_____	_____ Seal
Date	Shawn M. Kolodgie	Date	Michael J. Lavry
_____	_____ Seal	_____	_____ Seal
Date	Michael W. Lim	Date	Nicholas E. McCready
<u>11/30/11</u>	 Seal	_____	_____ Seal
Date	Xavier Melendez	Date	Ashley R. Noble
_____	_____ Seal	_____	_____ Seal
Date	Ryan M. Ragsdale	Date	Matthew Serbinski
_____	_____ Seal	_____	_____ Seal
Date	William Howard Thomas II	Date	Brian Thomas McLintock

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ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McIntock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 1 December 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	Seal	_____	Seal
Date	Shawn M. Kolodgie	Date	Michael J. Lavery
_____	Seal	_____	Seal
Date	Michael W. Lim	Date	Nicholas E. McCready
_____	Seal	12/1/11	_____
Date	Xavier Melendez	Date	Ashley R. Noble
_____	Seal	_____	Seal
Date	Ryan M. Ragsdale	Date	Matthew Serbinski
_____	Seal	_____	Seal
Date	William Howard Thomas II	Date	Brian Thomas McIntock

PATENT**REEL: 027580 FRAME: 0556**

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on Navy. 1, 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and


WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____ Seal	_____ Seal
Date Shawn M. Kolodgie	Date Michael J. Lavery
_____ Seal	_____ Seal
Date Michael W. Lim	Date Nicholas E. McCready
_____ Seal	_____ Seal
Date Xavier Melendez	Date Ashley R. Noble
_____ Seal	_____ Seal
Date Ryan M. Ragsdale	Date  Matthew Serbinski
_____ Seal	_____ Seal
Date William Howard Thomas II	Date Brian Thomas McLintock

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 22 November 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and


WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	Seal	_____	Seal
Date	Shawn M. Kolodgie	Date	Michael J. Lavery
_____	Seal	_____	Seal
Date	Michael W. Lim	Date	Nicholas E. McCready
_____	Seal	_____	Seal
Date	Xavier Melendez	Date	Ashley R. Noble
_____	Seal	_____	Seal
Date	Ryan M. Ragsdale	Date	Matthew Serbinski
<u>22 Nov 2011</u>	 Seal	_____	Seal
Date	William Howard Thomas II	Date	Brian Thomas McLintock

PATENT**REEL: 027580 FRAME: 0558**

ASSIGNMENT OF INVENTION

Navy Case No. 100616

WHEREAS, we, Shawn M. Kolodgie of 1015 Prince Edward Street, Fredericksburg, VA 22401; Michael J. Lavery of 18 South Pointe Lane, Fredericksburg, VA 22405; Michael W. Lim of 3612 Carolina Court, Fredericksburg, VA 22408; Nicholas E. McCready of 305 6th Street, Colonial Beach, VA 22443; Xavier Melendez of 700 Green Tree Road Apt. 202, Fredericksburg, VA 22406; Ashley R. Noble of 9839 Gordon Road, Spotsylvania, VA 22553; Ryan M. Ragsdale of 7462 Cleveland Drive, King George, VA 22485; Matthew Serbinski of 289 Cedar Ridge Drive, Ruther Glen, VA 22546; William Howard Thomas II of 14354 Round Hill Road, King George, VA 22485 and B. Thomas McLintock of P.O. Box 1032, West Jefferson, NC 28694, while employed by the Government of the United States of America, hereinafter referred to as the Government, have made an invention entitled "COOPERATIVE CONTROL COMMUNICATION BETWEEN VEHICLES" identified as Navy Case No. 100616 and described in application for Letters Patent of the United States of America executed by us on 7 November 2011, and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, the Government is desirous of obtaining the entire right, title and interest in and to the invention disclosed in said application within the United States of America, its territories and possessions and other rights and benefits herein granted; and

WHEREAS, as to foreign rights, the Government desires an option to obtain such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America as represented by the Secretary of the Navy the entire right, title, and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the United States of America as represented by the Secretary of the Navy to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in and to the invention and all patent applications, patents and other forms of protection thereon in countries foreign to the United States of America within eight months of the filing date of any application for United States Letters Patent covering the invention; such option to be exercised by a written notification to us within such eight months identifying the specific foreign countries in which the Government will file or cause to be filed an application for patent or other form of protection on the invention; and that the rights in the foreign countries not exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on the invention in any foreign country, including the power to issue sub-licenses for use on behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, we have set our hands and affixed our seals.

_____	_____	_____	_____
Date	Shawn M. Kolodgie	Date	Michael J. Lavery
_____	_____	_____	_____
Date	Michael W. Lim	Date	Nicholas E. McCready
_____	_____	_____	_____
Date	Xavier Melendez	Date	Ashley R. Noble
_____	_____	_____	_____
Date	Ryan M. Ragsdale	Date	Matthew Serbinski
_____	_____	_____	_____
Date	William Howard Thomas II	11/7/11	Brian Thomas McLintock
_____	_____	Date	Brian Thomas McLintock

PATENT