

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Derek R. DeVries</td> <td>08/06/2012</td> </tr> <tr> <td>Eldon C. Peterson</td> <td>09/06/2012</td> </tr> <tr> <td>Donald L. Jackson</td> <td>08/10/2012</td> </tr> <tr> <td>William W. Thorup</td> <td>07/30/2012</td> </tr> <tr> <td>Scott K. Lusk</td> <td>08/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Derek R. DeVries	08/06/2012	Eldon C. Peterson	09/06/2012	Donald L. Jackson	08/10/2012	William W. Thorup	07/30/2012	Scott K. Lusk	08/17/2012
Name	Execution Date												
Derek R. DeVries	08/06/2012												
Eldon C. Peterson	09/06/2012												
Donald L. Jackson	08/10/2012												
William W. Thorup	07/30/2012												
Scott K. Lusk	08/17/2012												
RECEIVING PARTY DATA													
Name:	Alliant Techsystems Inc												
Street Address:	1300 Wilson Boulevard												
Internal Address:	Suite 400												
City:	Arlington												
State/Country:	VIRGINIA												
Postal Code:	22209												
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>13608571</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13608571								
Property Type	Number												
Application Number:	13608571												
CORRESPONDENCE DATA													
Fax Number:	8015319168												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	801 532 1922												
Email:	spboren@traskbritt.com												
Correspondent Name:	Steven W. Gutke												
Address Line 1:	PO BOX 2550												
Address Line 4:	Salt Lake City, UTAH 84110												
ATTORNEY DOCKET NUMBER:	10302US												
NAME OF SUBMITTER:	Steven W. Gutke												

CH \$40.00 13608571

**Total Attachments: 22**

source=Executed Assignment for Derek DeVries Assignment#page1.tif  
source=Executed Assignment for Derek DeVries Assignment#page2.tif  
source=Executed Assignment for Derek DeVries Assignment#page3.tif  
source=Executed Assignment for Derek DeVries Assignment#page4.tif  
source=Executed Assignment for Derek DeVries Assignment#page5.tif  
source=Executed Assignment for Eldon Peterson#page1.tif  
source=Executed Assignment for Eldon Peterson#page2.tif  
source=Executed Assignment for Eldon Peterson#page3.tif  
source=Executed Assignment for Donald Jackson#page1.tif  
source=Executed Assignment for Donald Jackson#page2.tif  
source=Executed Assignment for Donald Jackson#page3.tif  
source=Executed Assignment for Donald Jackson#page4.tif  
source=Executed Assignment for Donald Jackson#page5.tif  
source=Executed Assignment for William Thorup#page1.tif  
source=Executed Assignment for William Thorup#page2.tif  
source=Executed Assignment for William Thorup#page3.tif  
source=Executed Assignment for William Thorup#page4.tif  
source=Executed Assignment for William Thorup#page5.tif  
source=Executed Assignment for Scott Lusk#page1.tif  
source=Executed Assignment for Scott Lusk#page2.tif  
source=Executed Assignment for Scott Lusk#page3.tif  
source=Executed Assignment for Scott Lusk#page4.tif

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 1300 Wilson Boulevard Suite 400, Arlington, VA 22209, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **HIGH VOLTAGE FIRING UNIT, ORDNANCE SYSTEM, AND METHOD OF OPERATING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

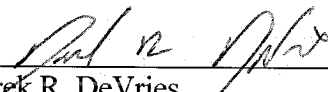
**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

  
\_\_\_\_\_  
Derek R. DeVries  
Residing at: 1296 W. 1200 N., Farr West, UT 84404

Date 8-6-2012

\_\_\_\_\_  
Brent D. Madsen  
Residing at: 25 Sarah Street, Providence, UT 84332

Date \_\_\_\_\_

\_\_\_\_\_  
Eldon C. Peterson  
Residing at: 2244 North 1200 East, North Logan, UT 84341

Date \_\_\_\_\_

\_\_\_\_\_  
Donald L. Jackson  
Residing at: 7977 South 7320 West, West Jordan, UT 84081

Date \_\_\_\_\_

\_\_\_\_\_  
William W. Thorup  
Residing at: 7992 South 3850 West, West Jordan, UT 84088

Date \_\_\_\_\_

\_\_\_\_\_  
Scott K. Lusk  
Residing at: 78 W. 10700 N., Clarkston, UT 84305-008

Date \_\_\_\_\_

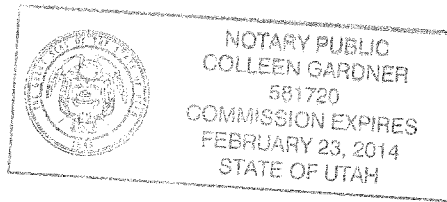
COUNTY OF Box Elder )  
: ss.  
STATE OF Utah )

On this 6 day of August, 2012, before me personally appeared Derek R. DeVries to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Colleen Gardner  
Notary Public in and for said County and State

My Commission Expires:

February 23, 2014



COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Brent D. Madsen to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Eldon Peterson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Donald Jackson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared William Thorup to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Scott K. Lusk to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 1300 Wilson Boulevard Suite 400, Arlington, VA 22209, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **HIGH VOLTAGE FIRING UNIT, ORDNANCE SYSTEM, AND METHOD OF OPERATING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;



**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

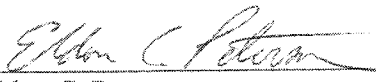
ASSIGNORS:

\_\_\_\_\_  
Derek R. DeVries  
Residing at: 1296 W. 1200 N., Farr West, UT 84404

Date \_\_\_\_\_

\_\_\_\_\_  
Brent D. Madsen  
Residing at: 25 Sarah Street, Providence, UT 84332

Date \_\_\_\_\_

  
\_\_\_\_\_  
Eldon C. Peterson  
Residing at: 2244 North 1200 East, North Logan, UT 84341

Date 6 September 2012

\_\_\_\_\_  
Donald L. Jackson  
Residing at: 7977 South 7320 West, West Jordan, UT 84081


Date \_\_\_\_\_

\_\_\_\_\_  
William W. Thorup  
Residing at: 7992 South 3850 West, West Jordan, UT 84088

Date \_\_\_\_\_

COUNTY OF CACHE )  
 : ss.  
STATE OF UTAH )

On this 6 day of Sept., 2012, before me personally appeared Eldon Peterson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

  
\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

12-2-15



COUNTY OF )  
 : ss.  
STATE OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Donald Jackson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 1300 Wilson Boulevard Suite 400, Arlington, VA 22209, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **HIGH VOLTAGE FIRING UNIT, ORDNANCE SYSTEM, AND METHOD OF OPERATING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

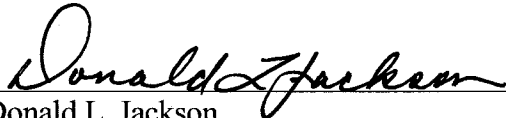
**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

\_\_\_\_\_  
Derek R. DeVries  
Residing at: 1296 W. 1200 N., Farr West, UT 84404  
Date \_\_\_\_\_

\_\_\_\_\_  
Brent D. Madsen  
Residing at: 25 Sarah Street, Providence, UT 84332  
Date \_\_\_\_\_

\_\_\_\_\_  
Eldon C. Peterson  
Residing at: 2244 North 1200 East, North Logan, UT 84341  
Date \_\_\_\_\_

  
\_\_\_\_\_  
Donald L. Jackson  
Residing at: 7977 South 7320 West, West Jordan, UT 84081  
Date 8/10/12

\_\_\_\_\_  
William W. Thorup  
Residing at: 7992 South 3850 West, West Jordan, UT 84088  
Date \_\_\_\_\_

\_\_\_\_\_  
Scott K. Lusk  
Residing at: 78 W. 10700 N., Clarkston, UT 84305-008  
Date \_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Derek R. DeVries to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Brent D. Madsen to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Eldon Peterson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

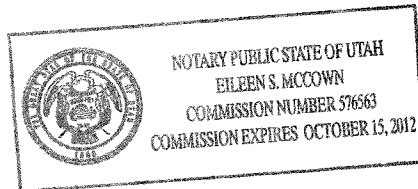
COUNTY OF Salt Lake )  
: ss.  
STATE OF Utah )

On this 10<sup>th</sup> day of August, 2012, before me personally appeared Donald Jackson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Eileen McCown  
\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

October 15, 2012



COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared William Thorup to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Scott K. Lusk to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

\_\_\_\_\_

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 1300 Wilson Boulevard Suite 400, Arlington, VA 22209, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **HIGH VOLTAGE FIRING UNIT, ORDNANCE SYSTEM, AND METHOD OF OPERATING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;



**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

\_\_\_\_\_  
Derek R. Devries  
Residing at: 96 W. 1200 N., Farr West, UT 84404

Date \_\_\_\_\_

\_\_\_\_\_  
Brent D. Madsen  
Residing at: 25 Sarah Street, Providence, UT 84332


Date \_\_\_\_\_

\_\_\_\_\_  
Eldon C. Peterson  
Residing at: 2244 North 1200 East, North Logan, UT 84341

Date \_\_\_\_\_

\_\_\_\_\_  
Donald L. Jackson  
Residing at: 7977 South 7320 West, West Jordan, UT 84081

Date \_\_\_\_\_

  
\_\_\_\_\_  
William W. Thorup  
Residing at: 7992 South 3850 West, West Jordan, UT 84088

Date 7/30/12

\_\_\_\_\_  
Scott K. Lusk  
Residing at: 78 W. 10700 N., Clarkston, UT 84305-008

Date \_\_\_\_\_

COUNTY OF \_\_\_\_\_ )  
: ss.  
STATE OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Derek R. Devries to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
  
\_\_\_\_\_

COUNTY OF \_\_\_\_\_ )  
: ss.  
STATE OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Brent D. Madsen to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Eldon Peterson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Donald Jackson to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

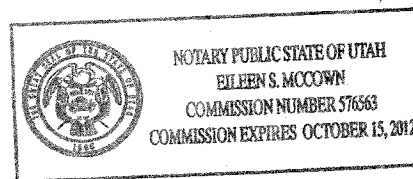
COUNTY OF Salt Lake )  
 : ss.  
STATE OF Utah )

On this 30<sup>th</sup> day of July, 2012, before me personally appeared William Thorup to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Eileen McCown  
Notary Public in and for said County and State

My Commission Expires:

October 15, 2012



COUNTY OF \_\_\_\_\_ )  
 : ss.  
STATE OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Scott K. Lusk to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
\_\_\_\_\_

**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Alliant Techsystems Inc. ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 1300 Wilson Boulevard Suite 400, Arlington, VA 22209, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith entitled **HIGH VOLTAGE FIRING UNIT, ORDNANCE SYSTEM, AND METHOD OF OPERATING SAME**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

**AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

\_\_\_\_\_  
Derek R. DeVries  
Residing at: 1296 W. 1200 N., Farr West, UT 84404

Date \_\_\_\_\_

\_\_\_\_\_  
Brent D. Madsen  
Residing at: 25 Sarah Street, Providence, UT 84332

Date \_\_\_\_\_

\_\_\_\_\_  
Eldon C. Peterson  
Residing at: 2244 North 1200 East, North Logan, UT 84341


Date \_\_\_\_\_

\_\_\_\_\_  
Donald L. Jackson  
Residing at: 7977 South 7320 West, West Jordan, UT 84081

Date \_\_\_\_\_

\_\_\_\_\_  
William W. Thorup  
Residing at: 7992 South 3850 West, West Jordan, UT 84088

Date \_\_\_\_\_

  
\_\_\_\_\_  
Scott K. Lusk  
Residing at: 3090 Pasada Road, Cameron Park, CA 95682

Date 8/17/2012

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared William Thorup to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
  
\_\_\_\_\_

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, before me personally appeared Scott K. Lusk to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:  
  
\_\_\_\_\_

SEE ATTACHED  
NOTARY CERTIFICATE

**ACKNOWLEDGMENT**

State of California  
County of El Dorado )

On August 17<sup>th</sup> 2012 before me, Arianna Genetin, Notary Public  
(insert name and title of the officer)

personally appeared Scott R. Lusk  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged 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 the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Arianna Genetin (Seal)

