

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Derek R. DeVries</td> <td>01/02/2012</td> </tr> <tr> <td>Brent D. Madsen</td> <td>01/03/2012</td> </tr> <tr> <td>Eldon C. Peterson</td> <td>01/06/2012</td> </tr> <tr> <td>Donald L. Jackson</td> <td>02/24/2012</td> </tr> <tr> <td>William W. Thorup</td> <td>01/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Derek R. DeVries	01/02/2012	Brent D. Madsen	01/03/2012	Eldon C. Peterson	01/06/2012	Donald L. Jackson	02/24/2012	William W. Thorup	01/09/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Alliant Techsystems Inc</td> </tr> <tr> <td>Street Address:</td> <td>1300 Wilson Boulevard</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 400</td> </tr> <tr> <td>City:</td> <td>Arlington</td> </tr> <tr> <td>State/Country:</td> <td>VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>22209</td> </tr> </table>		Name:	Alliant Techsystems Inc	Street Address:	1300 Wilson Boulevard	Internal Address:	Suite 400	City:	Arlington	State/Country:	VIRGINIA	Postal Code:	22209
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Street Address:	1300 Wilson Boulevard												
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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>13348485</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13348485								
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CORRESPONDENCE DATA													
<p>Fax Number: (801)531-9168</p> <p>Phone: 801 532 1922</p> <p>Email: spboren@traskbritt.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: James C. Watson</p> <p>Address Line 1: PO BOX 2550</p> <p>Address Line 4: Salt Lake City, UTAH 84110</p>													
ATTORNEY DOCKET NUMBER:	2507-10301												

CH \$40.00 13348485

NAME OF SUBMITTER:

James C. Watson

**Total Attachments: 10**

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**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 entitled **CONNECTORS FOR SEPARABLE FIRING UNIT ASSEMBLIES, SEPARABLE FIRING UNIT ASSEMBLIES, AND RELATED METHODS**, to Devries et al., 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;

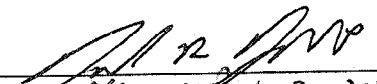
**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**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 *1-2-2012*  
Residing at: 96 W. 1200 N., Farr West, UT 84404

Date 1-2-2012

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

Date 1-3-2012

\_\_\_\_\_  
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 \_\_\_\_\_

COUNTY OF Box Elder )

: ss.

STATE OF Utah )

1-2-2012-

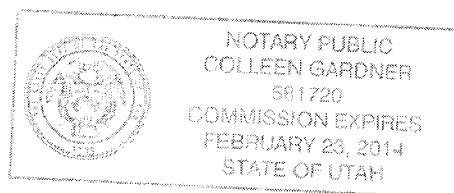
On this 3 day of January, 201<sup>2</sup>, before me personally appeared Derek R. DeVries to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Colleen Gardner

Notary Public in and for said County and State

My Commission Expires:

February 23, 2014



COUNTY OF Box Elder )

: ss.

STATE OF Utah )

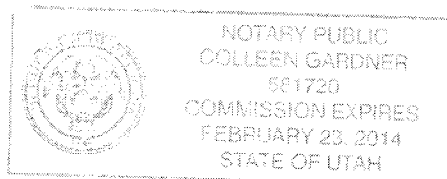
On this 3 day of January, 201<sup>2</sup>, before me personally appeared Brent D. Madsen to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Colleen Gardner

Notary Public in and for said County and State

My Commission Expires:

February 23, 2014



PATENT

REEL: 028021 FRAME: 0855

**ASSIGNMENT**

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**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 entitled **CONNECTORS FOR SEPARABLE FIRING UNIT ASSEMBLIES, SEPARABLE FIRING UNIT ASSEMBLIES, AND RELATED METHODS**, to Devries et al., 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;

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**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;

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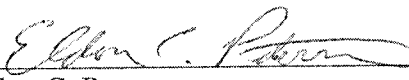
ASSIGNORS:

\_\_\_\_\_  
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 6 Apr. 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 Caone )  
: ss.  
STATE OF Utah )

On this 6th day of January, <sup>2012</sup> ~~2011~~, before me personally appeared Eldon C. 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.



Bonnie Hendricks  
Notary Public in and for said County and State

My Commission Expires:

9-23-2014

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared Donald L. 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**

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ASSIGNORS:

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

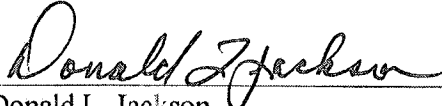
Date \_\_\_\_\_

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

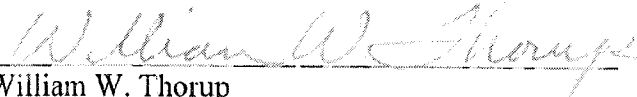
Date \_\_\_\_\_

\_\_\_\_\_  
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 2/24/12

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

Date 1/9/12

COUNTY OF )  
: ss.  
STATE OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2011, before me personally appeared Eldon C. 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:  
\_\_\_\_\_

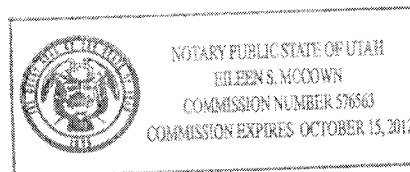
COUNTY OF Salt Lake)  
: ss.  
STATE OF Utah)

On this 24<sup>th</sup> day of February, 201<sup>2</sup>, before me personally appeared Donald L. 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 S. McCown  
\_\_\_\_\_  
Notary Public in and for said County and State

My Commission Expires:

October 15, 2012



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

On this 9<sup>th</sup> day of January, 201<sup>2</sup>, before me personally appeared William W. 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 S. McCown  
Notary Public in and for said County and State

My Commission Expires:

October 15, 2012

