

09-26-2003

9/17/03



102559872

HEET

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**John A. Clancy; Thomas D. Bybee; William A. Friedrich**

Additional name(s) of conveying party(ies)

attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **Alliant Techsystems Inc.**

Internal Address:

Street Address: **5050 Lincoln Drive,  
Edina, Minnesota 55436**

City: State: Zip:

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

3. Nature of Conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date: 9-3-03; 9-4-03

15535 U.S. PTO  
10/664223  
09/17/03

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s)

10 664223

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

**Richard A. Arrett  
Vidas, Arrett & Steinkraus, P.A.  
Suite 2000, 6109 Blue Circle Drive  
Minnetonka, MN 55343-9185**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40<sup>00</sup>

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit Account Number: **22-0350**

(Attach duplicate of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Richard A. Arrett**

Signature

9/17/03

Date

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450**

## A S S I G N M E N T

WHEREAS, I(we), John A. Clancy; Thomas D. Bybee; William A. Friedrich  
residing at 9936 Lawson Lane, Eden Prairie, Minnesota 55347; 5031 142 Lane N.W., Ramsey, Minnesota  
55303; 5518 Lakeland Road, Minnetonka, Minnesota 55345 have invented and own the entire United States  
right, title and interest in an invention for:

FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES

disclosed in my (our) application for United States Letter Patent filed:

- ☒ concurrently herewith  
☐ on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_; and

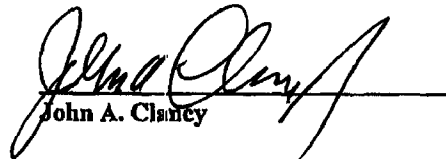
I (we) hereby authorize and request any attorney of Vidas, Arrett & Steinkraus, P.A., Suite  
2000, 6109 Blue Circle Drive, Minnetonka, MN 55343-9185, to insert the filing date and application number of  
said application above when known.

WHEREAS, Alliant Techsystems Inc. ("Assignee"), a corporation organized and existing  
under and by virtue of the laws of the State of Delaware, and having its principal place of business at 5050  
Lincoln Drive, Edina, Minnesota 55436, is desirous of acquiring the entire right, title, and interest in and to  
said invention, to said application for any and all countries, to any and all Letters Patent, and to any and all  
Design Letters Patent of any and all countries which may be granted thereon;

NOW, THEREFORE, Be It Known that for good and valuable consideration, the receipt of all  
of which is hereby acknowledged, I(we) hereby sell, assign, and transfer unto Assignee, its successors, and  
assigns, the entire right, title and interest, legal and equitable, in and to said invention, to said application for any  
and all countries, to any and all Letters Patent, and to any and all Design Letters Patent of any and all countries  
which may be granted thereon; and the Commissioner of Patents and Trademarks is hereby authorized and  
requested to issue all Letters Patent and all Design Letters Patent which may be granted to said invention to  
Assignee.

Dated: 9/3/2003

First Inventor's Signature:  
First Inventor's Name:

  
John A. Clancy

Dated: 9-3-2003

Second Inventor's Signature:  
Second Inventor's Name:

  
Thomas D. Bybee

Dated: 9-4-2003

Third Inventor's Signature:  
Third Inventor's Name:

  
William A. Friedrich

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>Inventor(s):</b>	<b>John Clancy et al</b>
<b>Title:</b>	<b>FIXED CANARD 2-D GUIDANCE OF ARTILLERY PROJECTILES</b>
<b>Filed:</b>	<input type="checkbox"/> concurrently herewith
	<input type="checkbox"/> on _____ and assigned Serial No. _____

Docket No.: A39.2-10912

## ASSIGNEE'S STATEMENT OF OWNERSHIP 37 CFR 3.73(B)

Alliant Techsystems Inc., a Minnesota corporation, is the assignee of the entire right, title and interest in the patent application identified above by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. A photocopy of the Assignment is enclosed. The original Assignment is being mailed to Assignment Branch for recording.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From : \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From : \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.


☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement of ownership certificate on behalf of the assignee.

VIDAS, ARRETT &amp; STEINKRAUS

Date: 9/17/03

By:   
**Richard A. Arrett**  
Registration No. 33153

6109 Blue Circle Drive, Suite 2000  
Minnetonka, MN 55343-9185  
Telephone: (952) 563-3000  
Facsimile: (952) 563-3001

COPY

UTILITY/DESIGN PATENT  
Docket No. A394-1091

COPY

ASSIGNMENT

WHEREAS, I(we), John A. Clancy; Thomas D. Bybee; William A. Friedrich  
residing at 9936 Lawson Lane, Eden Prairie, Minnesota 55347; 5031 142 Lane N.W., Ramsey, Minnesota  
55303; 5518 Lakeland Road, Minnetonka, Minnesota 55345 have invented and own the entire United States  
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disclosed in my (our) application for United States Letter Patent filed:

- ☒ concurrently herewith  
☐ on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_; and

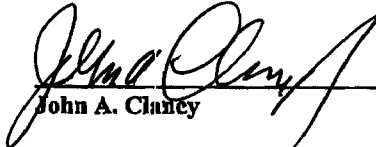
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under and by virtue of the laws of the State of Delaware, and having its principal place of business at 5050  
Lincoln Drive, Edina, Minnesota 55436, is desirous of acquiring the entire right, title, and interest in and to  
said invention, to said application for any and all countries, to any and all Letters Patent, and to any and all  
Design Letters Patent of any and all countries which may be granted thereon;

NOW, THEREFORE, Be It Known that for good and valuable consideration, the receipt of all  
of which is hereby acknowledged, I(we) hereby sell, assign, and transfer unto Assignee, its successors, and  
assigns, the entire right, title and interest, legal and equitable, in and to said invention, to said application for any  
and all countries, to any and all Letters Patent, and to any and all Design Letters Patent of any and all countries  
which may be granted thereon; and the Commissioner of Patents and Trademarks is hereby authorized and  
requested to issue all Letters Patent and all Design Letters Patent which may be granted to said invention to  
Assignee.

Dated: 9/3/2003

First Inventor's Signature:  
First Inventor's Name:

  
John A. Clancy

Dated: 9-3-2003

Second Inventor's Signature:  
Second Inventor's Name:

  
Thomas D. Bybee

Dated: 9-4-2003

Third Inventor's Signature:  
Third Inventor's Name:

  
William A. Friedrich

COPY

COPY