

PATENT ASSIGNMENT

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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>Jack Erickson</td><td>02/09/2007</td></tr><tr><td>Joel Sandstrom</td><td>02/09/2007</td></tr><tr><td>Gene Johnston</td><td>04/23/2007</td></tr><tr><td>Neal Norris</td><td>02/09/2007</td></tr><tr><td>Patrick Braun</td><td>02/08/2007</td></tr><tr><td>Reed Blau</td><td>02/09/2007</td></tr><tr><td>Lisa Spendlove Liu</td><td>03/30/2007</td></tr></tbody></table>	Name	Execution Date	Jack Erickson	02/09/2007	Joel Sandstrom	02/09/2007	Gene Johnston	04/23/2007	Neal Norris	02/09/2007	Patrick Braun	02/08/2007	Reed Blau	02/09/2007	Lisa Spendlove Liu	03/30/2007	
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Reed Blau	02/09/2007																
Lisa Spendlove Liu	03/30/2007																
RECEIVING PARTY DATA																	
Name:	Alliant Techsystems Inc.																
Street Address:	5050 Lincoln Drive																
City:	Edina																
State/Country:	MINNESOTA																
Postal Code:	55436																
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>11704530</td></tr></tbody></table>	Property Type	Number	Application Number:	11704530													
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Application Number:	11704530																
CORRESPONDENCE DATA																	
Fax Number: (952)563-3001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 952-563-3000																	
Email: lryan@vaslaw.com																	
Correspondent Name: Vidas, Arrett & Steinkraus																	
Address Line 1: 6109 Blue Circle Drive																	
Address Line 2: Suite 2000																	
Address Line 4: Minnetonka, MINNESOTA 55343																	
ATTORNEY DOCKET NUMBER:	A39.2-13252US01																

CH \$40.00 11704530

PATENT

500277359

REEL: 019295 FRAME: 0921

NAME OF SUBMITTER:

lisa ryan-lindquist

Total Attachments: 7

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ASSIGNMENT

WHEREAS, I(we)

Inventor Name(s)	Inventor(s) Residence Address
Jack Erickson	4725 162nd Lane NW, Andover, MN 55304
Joel Sandstrom	10643 Maple Lane NE, Corcoran, MN 55340
Gene Johnston	5800 North- 18025 West, Brigham City, UT 84302
Neal Norris	501 Airway Drive, Lewiston, ID 83501
Patrick Braun	2519 Grandview Drive, Clarkston, WA 99403
Reed Blau	75 East Main, Richmond, UT 84333
Lisa Spendlove Liu	371 Aircraft Avenue, Layton, UT 84801

have invented an invention for:

NON-TOXIC PERCUSSION PRIMERS AND METHODS OF PREPARING THE SAME

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

- ☐ concurrently herewith
☒ on February 9, 2007 and assigned Serial No. 11/704530; 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 having its principal place of business at:

5050 Lincoln Drive
Edina, MN 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;
- ☐ entire right, title and interest in the US application described above;

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

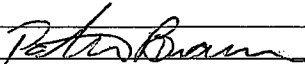
- ☒ entire right, title and interest, legal and equitable, in and to said invention, to said application for any and all countries, to any and all Letters Patent, and to any and all Design Letters Patent of any and all countries which may be granted thereon;
- ☐ the entire right, title and interest, legal and equitable, in and to said application and all United States Letters Patent and Design Letters Patent which may be granted thereon;

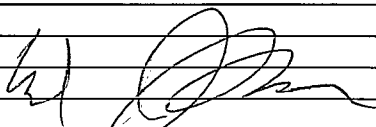
and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent and all Design Letters Patent which may be granted to said invention to Assignee.

Date	Inventor Name(s)	Signature
2-9-07	Jack Erickson	Jack Erickson
2/9/07	Joel Sandstrom	Joel Sandstrom
	Gene Johnston	
	Neal Norris	
	Patrick Braun	
	Reed Blau	
	Lisa Spendlove Liu	

Date	Inventor Name(s)	Signature
	Jack Erickson	
	Joel Sandstrom	
4-23-07	Gene Johnston	Gene Johnston
	Neal Norris	
	Patrick Braun	
	Reed Blau	
	Lisa Spendlove Liu	

Date	Inventor Name(s)	Signature
	Jack Erickson	
	Joel Sandstrom	
	Gene Johnston	
2/9/2007	Neal Norris	<i>Neal Norris</i>
	Patrick Braun	
	Reed Blau	
	Lisa Spendlove Liu	

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	Jack Erickson	
	Joel Sandstrom	
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2/8/07	Patrick Braun	
	Reed Blau	
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	Gene Johnston	
	Neal Norris	
	Patrick Braun	
2/9/07	Reed Blau	
	Lisa Spendlove Liu	

Date	Inventor Name(s)	Signature
	Jack Erickson	
	Joel Sandstrom	
	Gene Johnston	
	Neal Norris	
	Patrick Braun	
	Reed Blau	
30 Mar 2007	Lisa Spendlove Liu	<i>Lisa S. Liu</i>