

## 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>Joel Sandstrom</td> <td>03/30/2010</td> </tr> <tr> <td>Aaron A. Quinn</td> <td>03/30/2010</td> </tr> <tr> <td>Jack Erickson</td> <td>03/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	Joel Sandstrom	03/30/2010	Aaron A. Quinn	03/30/2010	Jack Erickson	03/30/2010
Name	Execution Date								
Joel Sandstrom	03/30/2010								
Aaron A. Quinn	03/30/2010								
Jack Erickson	03/30/2010								
RECEIVING PARTY DATA									
Name:	Alliant Techsystems Inc.								
Street Address:	7480 Flying Cloud Drive								
City:	Minneapolis								
State/Country:	MINNESOTA								
Postal Code:	55344								
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>13477723</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13477723				
Property Type	Number								
Application Number:	13477723								
CORRESPONDENCE DATA									
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Phone:	612-349-5745								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
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ATTORNEY DOCKET NUMBER:	4203.14US02								
NAME OF SUBMITTER:	Ann Pommier								
<p>Total Attachments: 3        source=4203.14US02 - Assignment#page1.tif        source=4203.14US02 - Assignment#page2.tif        source=4203.14US02 - Assignment#page3.tif</p>									

OP \$40.00 13477723

ASSIGNMENT

WHEREAS, we, Joel Sandstrom of Corcoran, Minnesota, Aaron A. Quinn of Coon Rapids, Minnesota, Jack Erickson of Andover, Minnesota, have invented certain new and useful improvements in NON-TOXIC, HEAVY-METAL FREE SENSITIZED EXPLOSIVE PERCUSSION PRIMERS AND METHODS OF PREPARING THE SAME, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 13/477,723, filed May 22, 2012.

WHEREAS, Alliant Techsystems Inc. ("Assignee"), a business entity organized and existing under the laws of the State of Delaware, and having its principal offices at 7480 Flying Cloud Drive, Minneapolis, Minnesota 55344, USA, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.

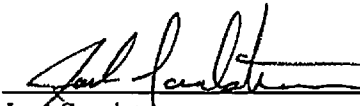
We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications


or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

Date: 3/30/10

  
Joel Sandstrom

Subscribed and sworn to before me  
this 30<sup>th</sup> day of March, 2010

  
Notary Public

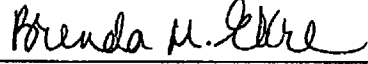


[Notary Seal]

Date: 3-30-2010

  
Aaron A. Quinn

Subscribed and sworn to before me  
this 30<sup>th</sup> day of March, 2010

  
Notary Public



[Notary Seal]

Date: 3-30-2010

Jack Erickson  
Jack Erickson

Subscribed and sworn to before me  
this 30 day of March, 2010

Brenda M. Ekre  
Notary Public



[Notary Seal]