

PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Thiokol Propulsion Corp. | 04/16/2007 |
| RECEIVING PARTY DATA | |
| Name: | Alliant Techsystems Inc. |
| Street Address: | 5050 Lincoln Drive |
| City: | Edina |
| State/Country: | MINNESOTA |
| Postal Code: | 55436-1097 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 7101449 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 2507-5792.2US |
| NAME OF SUBMITTER: | Joseph A. Walkowski |
| Total Attachments: 2 source=PatentRightsAssignment#page1.tif source=PatentRightsAssignment#page2.tif | |

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PATENT RIGHTS ASSIGNMENT

This Assignment is made and executed by Thiokol Propulsion Corp., a Delaware corporation with its principal place of business located at 9160 N. Highway 83, P.O. Box 707, Brigham City, Utah 84302-0707 (hereinafter "Assignor"), to and in favor of Alliant Techsystems Inc., a Delaware corporation having its principal place of business at 5050 Lincoln Drive, Edina, Minnesota 55436 (hereinafter "Assignee").

Whereas Assignor previously received the entire right, title and interest in and to the invention described in the application for United States Letters Patent entitled, "METHOD FOR RECOVERY OF NITRAMINES FROM ALUMINIZED ENERGETIC MATERIALS," assigned Serial No. 10/646,419, filed August 22, 2003, now U.S. Patent No. 7,101,449, issued September 5, 2006 (hereinafter "the Patent Application"), by Change of Name from Cordant Technologies Inc. to Thiokol Propulsion Corp., dated April 20, 2001, recorded on March 22, 2007, at Reel 019047, Frame 0266; Cordant Technologies Inc. possessing such entire right, title, and interest by Assignment from the inventors, Kirstin F. Warner, Louis F. Cannizzo, and Robert M. Hajik to Cordant Technologies Inc., recorded on February 15, 2001, at Reel 011559, Frame 0949; and

Whereas Assignor desires to assign its entire right, title and interest in and to the Patent Application to Assignee for valuable consideration; and

Whereas Assignee has provided such valuable consideration to Assignor;

Accordingly, the parties agree as follows:

1. Assignor hereby conveys and assigns to Assignee Assignor's entire right, title and interest in and to the Patent Application and the inventions disclosed therein, including all continuation, continuation-in-part and divisional applications and all continuing prosecution applications based in whole or in part on the Patent Application, and including all patents and reissues resulting from the Patent Application.

2. Assignor hereby assigns to Assignee Assignor's entire right, title and interest in and to all counterparts to the Patent Application that have been or may be filed outside the United States, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Application, further including all continuation, continuation-in-part and division applications and all continuing prosecution applications based in whole or in part on the non-U.S. counterparts, and still further including all patents, inventor's certificates, utility models and reissues based upon or resulting from any of the non-U.S. counterparts.

3. Assignor hereby grants to Assignee the sole and exclusive right to prosecute the Patent Application and all related patents and applications as described in Paragraphs 1 and 2 above, as well as any opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings. Assignor authorizes all governmental bodies having the power to issue patents, reissues, inventor's certificates or utility models to issue a patent, reissue, inventor's

certificate or utility model based on the Patent Application or any related applications as described in Paragraphs 1 and 2 above in the name of Assignee.

4. Assignor agrees upon request and without further consideration, but at Assignee's expense: (a) to assist Assignee in prosecuting the Patent Application and all related applications as described in Paragraphs 1 through 3 above, as well as opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings, (b) to provide Assignee with information concerning the Patent Application to enable Assignee to obtain, secure and protect the rights granted under this Assignment; (c) to sign papers, take oaths and testify in legal proceedings to enable Assignee to obtain, secure and protect the rights granted under this Assignment; and (d) to perform all acts reasonable necessary to enable Assignee to obtain, secure and protect the rights granted under this Assignment.

5. Assignee may assign the rights under this Assignment in whole or in part. All references herein to Assignee include any successors or assigns of Assignee.

6. Assignor acknowledges that Assignee has provided valuable consideration for the rights granted under this Assignment.

THIOKOL PROPULSION CORP.

April 16, 2007
Date

Bruce C. Anderson
Bruce C. Anderson, Esq. (Reg. No. 46,519)
Vice President and Assistant Secretary

STATE OF MINNESOTA)
) ss.
COUNTY OF Hennepin

On this 16 day of April, 2007, Bruce C. Anderson, who is known to me to be the person whose name is subscribed to the foregoing instrument, personally appeared and executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I have set my hand and official seal.

Deborah J. Ledbeter
Notary Public

