



To the Honorable Commissioner of

102731599

attached original documents or copy thereof.

1. Name of conveying party(ies): THIOKOL PROPULSION CORP.

Additional name of conveying party(ies) attached? [] Yes [X] No

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

Address: 5050 Lincoln Drive, Edina, Minnesota 55436

Additional Name(s) & address(es) attached? [] Yes [X] No

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name: Joseph A. Walkowski

Signature:

Date: 4/21/04

3. Nature of conveyance:

- [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Execution Date: April 20, 2004

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

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

A. Patent Application No.(s)

B. Patent No.(s)

6,484,617 issued November 26, 2002

Additional numbers attached? [] Yes [X] No

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

Name: TraskBritt

Internal Address:

Street Address: P.O. Box 2550

City: Salt Lake City State: UT Zip: 84110

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)\$40.00

- [X] Enclosed [X] Authorized to charge any deficiency to deposit account

8. Deposit account number:

20-1469

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

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9. Statement and signature.

Attorney Docket No.: 2507-5838.1US

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.

Joseph A. Walkowski

Name of Person Signing Reg. No. 28,765

Signature

Date

Total number of pages including cover sheet, attachments, and documents: [3]

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

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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 United States Letters Patent entitled, "ASSEMBLY AND PROCESS FOR CONTROLLED BURNING OF LANDMINE WITHOUT DETONATION," assigned U.S. Patent No. 6,484,617, issued November 26, 2002 (hereinafter "the Patent"), by Change of Name from Cordant Technologies Inc. to Thiokol Propulsion Corp., dated April 20, 2001, and submitted for recordation simultaneously herewith; Cordant Technologies Inc. possessing such entire right, title, and interest by Assignment from the inventors, Richard C. Anderson, Charles B. Zisette, and Richard B. Cragun, recorded September 8, 2000, at Reel 011067, Frame 0642; and

Whereas Assignor desires to assign its entire right, title and interest in and to the Patent 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 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, and including all patents and reissues resulting from the Patent.
2. Assignor hereby assigns to Assignee Assignor's entire right, title and interest in and to all counterparts to the Patent 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, 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 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 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 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 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.

4-20-04
Date

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

STATE OF MINNESOTA)
COUNTY OF Henriepin : ss.

On this 20 day of April, 2004, 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 instruction for the purposes therein contained.

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

Deborah J. Ledbetter
Notary Public

