

Form PTO-1595 (Rev. 07/05)
OMB No. 0851-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Gary K. Lund
Reed J. Blau

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) January 24, 1994

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☒ Other See Attachment

2. Name and address of receiving party(ies)

Name: Thiokol Corporation

Internal Address: _____

Street Address: 2475 Washington Boulevard

City: Odgen

State: Utah

Country: USA Zip: 84401

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

4. Application or patent number(s):

A. Patent Application No.(s)
08/162,596

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Deborah Ledbetter

Internal Address: Alliant Techsystems Inc.

Street Address: 5050 Lincoln Drive

City: Edina

State: MN Zip: 55436

Phone Number: (952) 351-2865

Fax Number: (952) 351-3036

Email Address: deborah.ledbetter@atk.com

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 01-0481

Authorized User Name Debbie Ledbetter

9. Signature:

Laura A. Ryan
Signature

07/27/06
Date

Laura A. Ryan
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 010481 08162596

Attachment**3. Nature of conveyance/Execution Date(s) (continued):**

Record to correct receiving party's name from Gary K. Lund to Thiokol Corporation and update Name and address to whom correspondence concerning document should be mailed on a Recordation Cover Sheet previously recorded at REEL 006955 FRAME 0154.

FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Gary K. Lund
Reed J. BlauAdditional name(s) of conveying party(ies) attached? □ Yes ☒ No

3. Nature of conveyance: 19

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: January 24, 1994

2. Name and address of receiving party(ies)

Name: Gary K. Lund

Internal Address: Thiokol Corporation

Street Address: 2475 Washinton Boulevard

City: Ogden State: Utah ZIP: 84401

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

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)

08/162,596

B. Patent No.(s)

Additional numbers attached? □ Yes ☒ No

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

Name: L. Craig Metcalf

Internal Address: Madson & Metcalf

Street Address: 950 First Interstate Plaza

170 South Main Street

City: SLC State: Utah ZIP: 84101

6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

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

DO NOT USE THIS SPACE

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.

L. Craig Metcalf

Name of Person Signing

Signature

2/2/94

Date

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

PATENT

REEL: 016022 FRAME: 0261

A S S I G N M E N T

Gary K. Lund and Reed J. Blau, of 1723 Capitol Street, Ogden, Utah 84401 and Box 476, 75 East Main, Richmond, Utah 84333, respectively, have invented a method and apparatus entitled ANHYDROUS TETRAZOLE GAS GENERANT COMPOSITIONS AND METHODS OF PREPARATION, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed heretofore and now identified as File No. 1090.2.100 of the law firm of Madson & Metcalf, 950 First Interstate Plaza, 170 South Main Street, Salt Lake City, Utah 84101, and filed in the United States Patent and Trademark Office as Serial No. 08/162,596 on December 3, 1993; which application is a continuation-in-part of pending prior application Serial No. 08/101,396, filed on August 2, 1993.

The Assignee, Thiokol Corporation, a corporation of the State of Delaware, having a principal place of business at 2475 Washington Boulevard, Ogden, Utah 84401, desires to secure the entire right, title and interest in said invention.

In consideration of \$1.00 and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, we HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications which may be filed in

countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Gary K. Lund
 Gary K. Lund

Reed J. Blau
 Reed J. Blau

STATE OF UTAH)

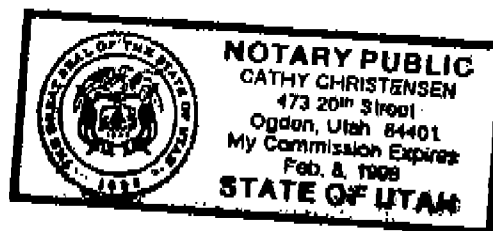
COUNTY OF Box Elder) ss.

On January 24, 1994, before me personally appeared Gary K. Lund and Reed J. Blau known to me to be the persons described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that they have read the same and know the contents thereof and that they executed the same as their free act and deed and for the purposes set forth therein.

Cathy Christensen
 NOTARY PUBLIC
 Residing at Ogden, Utah

My Commission Expires:
2-8-96

a:thio100.asn



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