

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5774462

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN W. FRONABARGER	09/12/2019
JASON B. PATTISON	09/12/2019
LILY F.W. WALSH	09/16/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PACIFIC SCIENTIFIC ENERGETIC MATERIALS COMPANY LLC
<b>Street Address:</b>	7073 WEST WILLIS ROAD
<b>City:</b>	CHANDLER
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85226
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16655636
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	2018-021
<b>NAME OF SUBMITTER:</b>	LISA H. WANG
<b>SIGNATURE:</b>	/Lisa H. Wang/
<b>DATE SIGNED:</b>	10/17/2019
<b>Total Attachments: 4</b>	
source=021inventors-pacific#page1.tif	
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source=021inventors-pacific#page3.tif	



**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)**

John W. Fronabarger; Jason B. Pattison;  
Lily F.W. Walsh

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

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

Execution Date(s) 9/12/19; 9/12/19; 9/16/19

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

**2. Name and address of receiving party(ies)**

Name: Pacific Scientific Energetic Materials Company LLC

Internal Address: \_\_\_\_\_

Street Address: 7073 West Willis Road

City: Chandler

State: AZ

Country: US Zip: 85226

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

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

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

16/655,636 Filing Date: 10/17/2019

Additional numbers attached? ☐ Yes ☒ No

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

Name: Lori Hanko

Internal Address: U.S. Army CCDC-AC

Street Address: Legal Office, Bldg. 3

City: Picatinny Arsenal, Dover

State: NJ Zip: 07806-5000

Phone Number: 973-724-3449

Docket Number: 2018-021

Email Address: lori.hanko.civ@mail.mil

**6. Total number of applications and patents involved: 1**

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

☐ Authorized to be charged to deposit account

☐ Enclosed

☒ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

/Lisa H. Wang/

10/17/2019

Signature

Date

Lisa H. Wang

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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

**ASSIGNMENT**  
(Patent Application)

WHEREAS, we, **John W. Fronabarger, Jason B. Pattison, and Lily F. W. Walsh**, the undersigned, along with R. Hunter Muir, Jon. G. Bragg, Matthew L. Jorgensen, Andrew G. Pearsall, and Jerry S. Salan of Nalas Engineering, and Neha Mehta of U.S. Army RDECOM-ARDEC have invented certain inventions and improvements disclosed in a utility patent application entitled

**"A METHOD FOR PREPARING SODIUM NITROTETROZOLATE  
USING CATION EXCHANGE RESIN"**

Filed with the U.S. Patent & Trademark Office on \_\_\_\_\_, 2019;

and assigned Application no. \_\_\_\_\_;

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to **Pacific Scientific Energetic Materials Company**, a Delaware company, having a principal place of business at 7073 West Willis Road, Chandler, Arizona 85226 ("Assignee"), the entire right, title, and interest in and to:
  - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
  - (b) the above-referenced patent application, and all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
  - (c) the right to claim priority to the above-referenced patent application, and any and all applications referenced in subsection (b); and
  - (d) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts,

Inventor to PSEMC Assignment

**A METHOD FOR PREPARING SODIUM NITROTETROZOLATE USING  
CATION EXCHANGE RESIN**

Attorney Docket No. 057864-0338765

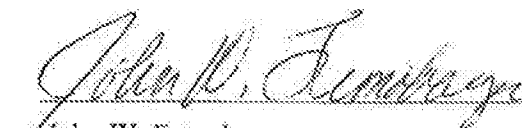
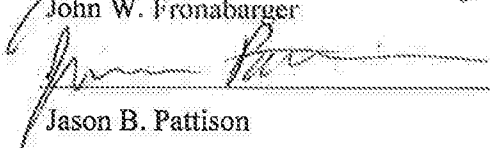

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continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

- (e) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b), (c), and (d) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
- 6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Inventor to PSEMC Assignment  
**A METHOD FOR PREPARING SODIUM NITROTETROZOLATE USING  
CATION EXCHANGE RESIN**  
Attorney Docket No. 057864-0338765  
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Signed on the dates indicated beside our signatures.

Signature: <u></u>	Date: <u>12 September 2019</u>
John W. Fronabarger	
Signature: <u></u>	Date: <u>12 Sept 2019</u>
Jason B. Pattison	
Signature: <u></u>	Date: <u>16 Sep + 19</u>
Lily F. W. Walsh	