

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>US Government as Represented by the Secretary of the Army</td><td>09/09/2004</td></tr><tr><td>Mr. John B. Niles</td><td>09/09/2004</td></tr></tbody></table>                                                                                                                                      |                                                           | Name          | Execution Date                                            | US Government as Represented by the Secretary of the Army | 09/09/2004           | Mr. John B. Niles | 09/09/2004           |       |           |                |            |              |            |
| Name                                                                                                                                                                                                                                                                                                                                                                                           | Execution Date                                            |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| US Government as Represented by the Secretary of the Army                                                                                                                                                                                                                                                                                                                                      | 09/09/2004                                                |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Mr. John B. Niles                                                                                                                                                                                                                                                                                                                                                                              | 09/09/2004                                                |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                           |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| <table border="1"><tr><td>Name:</td><td>US Government as Represented by the Secretary of the Army</td></tr><tr><td>Street Address:</td><td>US ARMY RDECOM-ARDEC</td></tr><tr><td>Internal Address:</td><td>AMSRD-AAR-GLC/BLDG 3</td></tr><tr><td>City:</td><td>Picatinny</td></tr><tr><td>State/Country:</td><td>NEW JERSEY</td></tr><tr><td>Postal Code:</td><td>07806-5000</td></tr></table> |                                                           | Name:         | US Government as Represented by the Secretary of the Army | Street Address:                                           | US ARMY RDECOM-ARDEC | Internal Address: | AMSRD-AAR-GLC/BLDG 3 | City: | Picatinny | State/Country: | NEW JERSEY | Postal Code: | 07806-5000 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                          | US Government as Represented by the Secretary of the Army |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                | US ARMY RDECOM-ARDEC                                      |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Internal Address:                                                                                                                                                                                                                                                                                                                                                                              | AMSRD-AAR-GLC/BLDG 3                                      |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| City:                                                                                                                                                                                                                                                                                                                                                                                          | Picatinny                                                 |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                 | NEW JERSEY                                                |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                   | 07806-5000                                                |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| 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>09893336</td></tr></tbody></table>                                                                                                                                                                                                                                   |                                                           | Property Type | Number                                                    | Application Number:                                       | 09893336             |                   |                      |       |           |                |            |              |            |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                  | Number                                                    |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                            | 09893336                                                  |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                            |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Fax Number: (973)724-5552<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>                                                                                                                                                                                                                                                                              |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Phone: 973-724-3449                                                                                                                                                                                                                                                                                                                                                                            |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
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| Correspondent Name: Kathryn Vander Sande                                                                                                                                                                                                                                                                                                                                                       |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Address Line 1: US ARMY RDECOM-ARDEC                                                                                                                                                                                                                                                                                                                                                           |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Address Line 2: AMSRD-AAR-GLC/BLDG 3                                                                                                                                                                                                                                                                                                                                                           |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Address Line 4: Picatinny, NEW JERSEY 07806-5000                                                                                                                                                                                                                                                                                                                                               |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                             | Kathryn Vander Sande                                      |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |
| Total Attachments: 2<br>source=ATK21849US01pg1#page1.tif<br>source=ATK21849US01pg2#page1.tif                                                                                                                                                                                                                                                                                                   |                                                           |               |                                                           |                                                           |                      |                   |                      |       |           |                |            |              |            |

CH 09893336 \$40.00

500006656

PATENT  
REEL: 015104 FRAME: 0791

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Application of:

JOHN B. NILES

Serial No.: 09/893,336

Group Art Unit: Unknown at Present

Filed: June 27, 2001

Examiner: Unknown at Present

FOR: REDUCED SENSITIVITY MELT-POURABLE TRITONAL REPLACEMENTS

Honorable Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

ASSIGNMENT

I, John B. Niles, as inventor of the above captioned invention, in consideration of the rights of the Government of the United States of America acquired by virtue of the circumstances under which the above-captioned invention was made, hereby:

1. Assign to the Government of the United States of America, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions and Puerto Rico, in and to the above-captioned invention, and any Provisional Applications, Patent Cooperation Treaty (PCT) applications, applications for patent, and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said applications and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, all right, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interference and recording of title to patent applications and patents issuing thereon.

- 3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interference and recording of title to patent applications and patents issuing thereon.**

Date: 9 SEP 04

John B. Niles  
John B. Niles

**ADDRESS: 23 New Jersey Avenue, Lake Hopatcong, NJ 07849**

State of: New Jersey )  
County of: Passaic ) ss.

**On the above date, John B. Niles, known to me to be the individual described in and who executed the foregoing instrument, duly appeared before me and acknowledged to me that he executed the same as his own free act and deed.**

**(SEAL)**

Kathryn Vander Sande  
Signature of Notary  
Notary's Commission Expires on:

**KATHRYN E. VANDER SANDE**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 9/19/2005**