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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4578959

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|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DAVID CHALFANT MANLEY | 08/16/2017 |
| THOMAS MICHAEL PRESUTTI JR. | 08/17/2017 |
| RECEIVING PARTY DATA | |
| Name: | U.S. GOVERNMENT AS REPRESENTED BY THE SECRETARY OF THE ARMY |
| Street Address: | RDAR-GCL/BLDG. 3 |
| Internal Address: | U.S. ARMY RDECOM-ARDEC |
| City: | PICATINNY ARSENAL, DOVER |
| State/Country: | NEW JERSEY |
| Postal Code: | 07806-5000 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15695160 |
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| ATTORNEY DOCKET NUMBER: | 2017-002 |
| NAME OF SUBMITTER: | MICHAEL C. SACHS |
| SIGNATURE: | /Michael C. Sachs/ |
| DATE SIGNED: | 09/05/2017 |
| Total Attachments: 2 | |
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| source=002recordal#page2.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)
 David Chalfant Manley; Thomas Michael Presutti, Jr.
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: U.S. Government as Represented by the Secretary of the
 Internal Address: U.S. Army RDECOM-ARDEC Army

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 8/16/2017 & 8/17/2017
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

Street Address: RDAR-GCL/Bldg. 3
 City: Picatinny Arsenal, Dover
 State: NJ
 Country: US Zip: 07806-5000
 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) 15/695,160 Filed 9/5/2017
 B. Patent No.(s) _____
 Additional numbers attached? Yes No

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)

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Lori Hanko
 Internal Address: U.S. Army RDECOM-ARDEC
 Street Address: RDAR-GCL/Bldg. 3
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 Docket Number: 2017-002
 Email Address: lori.hanko.civ@mail.mil

8. Payment Information
 Deposit Account Number _____
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9. Signature: _____ /Michael C. Sachs/
 Signature _____ Date 9/5/2017
 Michael C. Sachs
 Name of Person Signing
 Total number of pages including cover sheet, attachments, and documents: 2

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF INVENTION

Patent Application Title: STACKABLE KINETIC ENERGY RING CARTRIDGE

Inventor(s): David Chalfant Manley; Thomas Michael Presutti, Jr.

Provisional Application Serial No. _____ Filing date: _____

Patent Application Serial No. 15/1685160 Filing Date 9/5/2017 Date Oath executed: 8/16/2017 + 8/17/2017

Docket No.: 2017-002

Patent Number: _____

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, 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-identified invention(s), provisional application(s), application(s) for patent, and Patent Cooperation Treaty application(s), and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application(s) 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 or files a Patent Cooperation Treaty application; 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, or fails to file a Patent Cooperation Treaty application, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), 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 (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention(s), the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor  Date: 08/16/2017

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Signature of Inventor  Date: 08/17/2017

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