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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5558912

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| IAN B. VABNICK  | 05/17/2019   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | THE UNITED STATES OF AMERICA AS REPRESENTED BY THE<br>FEDERAL BUREAU OF INVESTIGATION, DEPARTMENT OF JUSTICE |
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| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 16209643   |
| <b>CORRESPONDENCE DATA</b>  |  |
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| <b>Correspondent Name:</b>  | LEYDIG, VOIT & MAYER, LTD.   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 336269: 58-18 US   |
| <b>NAME OF SUBMITTER:</b>   | GARY B. CHAPMAN  |
| <b>SIGNATURE:</b>   | /gbchapmanREG51279/  |
| <b>DATE SIGNED:</b>   | 06/06/2019   |
| <b>Total Attachments: 2</b>   |  |
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| source=58-18_US_exec_assgn#page2.tif  |  |

**ASSIGNMENT**

**WHEREAS, I/WE**

(I) **Ian B. VABNICK**, available at c/o Critical Incident Response Group, Federal Bureau of Investigation, FBI Academy, One Range Road, Quantico, Virginia, 22135, United States of America;

hereinafter referred to as Assignor, have invented a certain invention entitled:

**Penetrator Projectile for Explosive Device Neutralization**

for which invention an application (non-provisional) for a U.S. patent was filed on December 4, 2018, under U.S. Application No. 16/209,643, and

**WHEREAS, THE UNITED STATES OF AMERICA AS REPRESENTED BY THE FEDERAL BUREAU OF INVESTIGATION, DEPARTMENT OF JUSTICE**, of 935 Pennsylvania Avenue, N.W., Washington, DC 20535, United States of America, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee the entire right, title, and interest in, to, and under the invention, the referenced patent application, other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, the patents that may issue thereon, and the patents as may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such

additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits.

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto.

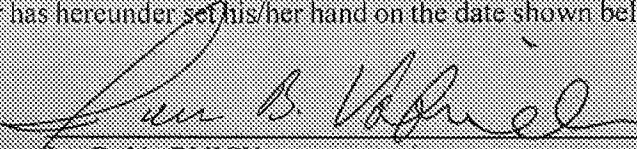
Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto.

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date May 17, 2019

  
\_\_\_\_\_  
Ian B. VABNICK

STATE OF Virginia )  
COUNTY OF Stafford )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public in and for said county, appeared Ian B. Vabnick, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

(SEAL)