

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DYNAENERGETICS US, INC.	02/12/2019
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16455816
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DATE SIGNED:	06/28/2019
Total Attachments: 1	
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ASSIGNMENT

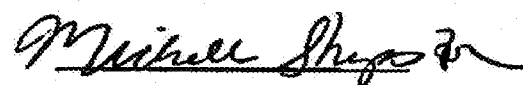
WHEREAS, DynaEnergetics US, Inc., a United States Corporation, of 2050 W. Sam Houston Parkway S., Suite 1750; Houston, TX 77042 USA holds legal title in and to this invention and improvements and desires to assign all right, title and interest in and to **POSITIONING DEVICE FOR SHAPED CHARGES IN A PERFORATING GUN MODULE**, the application/(s) for which are described in the following table (hereinafter "the Patent Applications"):

Country of Filing	Type of Filing	Application No.	Filing Date	Title
US	Provisional	62/699,484	07/17/2018	POSITIONING DEVICE FOR SHAPED CHARGES IN A PERFORATING GUN MODULE
US	Provisional	62/780,427	12/17/2018	POSITIONING DEVICE FOR SHAPED CHARGES IN A PERFORATING GUN MODULE
US	Utility	16/272,326	2/11/2019	POSITIONING DEVICE FOR SHAPED CHARGES IN A PERFORATING GUN MODULE
US	Utility	16/455,816	06/25/2019	POSITIONING DEVICE FOR SHAPED CHARGES IN A PERFORATING GUN MODULE

(We hereby authorize and request DynaEnergetics GmbH & Co. KG or its delegated attorneys or agents to insert above the application number and filing date of the Patent Application(s) when known.)

NOW THEREFORE, for good and valuable consideration received, we hereby sell, assign, and transfer to DynaEnergetics GmbH & Co. KG, of Kaiserstrasse 3, Troisdorf, Germany 53840, its successors and assigns, all right, title and interest in and to said invention to the Patent Applications and any and all applications for patent and patents therefrom in any and all countries throughout the world, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of the Patent Applications, and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to DynaEnergetics GmbH & Co. KG, or its successors or assigns, and agree that on request and without further consideration to utilize commercially reasonable means to procure, communicate or cause to be communicated to DynaEnergetics GmbH & Co. KG or its representatives or nominees any facts known to DynaEnergetics US, Inc. respecting the inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid DynaEnergetics GmbH & Co. KG, and to have its employees, affiliates and contractors aid DynaEnergetics GmbH & Co. KG, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries in a commercially reasonable manner if and when requested by DynaEnergetics GmbH & Co. KG.

IN TESTIMONY WHEREOF, This Assignment is executed below on behalf of DynaEnergetics US, Inc.

Signature: 

Name: Michelle Shepston
 Title: Vice President
 DynaEnergetics US, Inc.

Date: 2/12/19

SUBSCRIBED AND SWORN TO BEFORE ME by the said Michelle Shepston, on this the 12 day of February, 2019.

JENNIFER HOUGHLAND
 NOTARY PUBLIC
 STATE OF COLORADO
 NOTARY ID 20174052367
 MY COMMISSION EXPIRES DECEMBER 27, 2021


 Notary