

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

EPAS ID: PAT5888085

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THIS DOCUMENT DOES NOT AFFECT TITLE. MISSING WORDING BETWEEN THE ASSIGNEE'S NAME AND THE LIST OF PATENTS HAS BEEN ADDED previously recorded on Reel 049579 Frame 0253. Assignor(s) hereby confirms the ADD: AND INTERESTS IN AND TO THE INVENTION AND IMPROVEMENTS MADE OR CONCEIVED BY US DESCRIBED IN.

**CONVEYING PARTY DATA**

Name	Execution Date
GERNOT UWE BURMEISTER	10/07/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	DYNAENERGETICS US, INC.
<b>Street Address:</b>	2050 W. SAM HOUSTON PARKWAY SOUTH
<b>Internal Address:</b>	SUITE 1750
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77042

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16451440

**CORRESPONDENCE DATA**

**Fax Number:** (866)250-1636  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 2034284420  
**Email:** jrockman@moylesip.com  
**Correspondent Name:** MOYLES IP, LLC  
**Address Line 1:** 1 ENTERPRISE DRIVE  
**Address Line 2:** SUITE 428  
**Address Line 4:** SHELTON, CONNECTICUT 06484

<b>ATTORNEY DOCKET NUMBER:</b>	DMC513USP2
<b>NAME OF SUBMITTER:</b>	JASON M. ROCKMAN
<b>SIGNATURE:</b>	/Jason M. Rockman/
<b>DATE SIGNED:</b>	12/30/2019

Total Attachments: 6

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

EPAS ID: PAT5589505

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GERNOT UWE BURMEISTER	06/18/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DYNAENERGETICS US, INC.
<b>Street Address:</b>	2050 W. SAM HOUSTON PARKWAY SOUTH
<b>Internal Address:</b>	SUITE 1750
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77042
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16451440
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(866)250-1636
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2034284420
<b>Email:</b>	jrockman@moylesip.com
<b>Correspondent Name:</b>	MOYLES IP LLC
<b>Address Line 1:</b>	1 ENTERPRISE DRIVE
<b>Address Line 2:</b>	SUITE 428
<b>Address Line 4:</b>	SHELTON, CONNECTICUT 06484
<b>ATTORNEY DOCKET NUMBER:</b>	DMC513US
<b>NAME OF SUBMITTER:</b>	JASON M. ROCKMAN
<b>SIGNATURE:</b>	/Jason M. Rockman/
<b>DATE SIGNED:</b>	06/25/2019
<b>Total Attachments: 2</b>	
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GLOBAL ASSIGNMENT

In accordance with my/our obligation(s) under any employee agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Gernot	Uwe	Burmeister	of	Austin	TX	US

hereby sell and assign to:

Name of Company: DynaEnergetics US, Inc.
Address: 2050 W. Sam Houston Parkway South, Suite 1750, Houston, TX 77042 US

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title
US	Utility	16/451,440	06/25/2019	BOTTOM-FIRE PERFORATING DRONE

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), 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 the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any

applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

INVENTOR

Signature: *Gernot Uwe Burmeister*  
Gernot Uwe Burmeister

Date: 10-7-19

Witnessed by: *Erika Burmeister*  
Signature

Date: 10-7-19

Erika Burmeister  
Printed Name of Witness

Witnessed by: *Steven C. Mader*  
Signature

Date: 7 Dec 2019

STEVEN C. MADER  
Printed Name of Witness

GLOBAL ASSIGNMENT

In accordance with my/our obligation(s) under United States laws, any employee agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Middle Name	Inventor Last Name		Residence Town	Residence State/County	Residence Country
Gernot	Uwe	Burmeister	of	Austin	Texas	US

hereby sell and assign to:

Name of Company: DynaEnergetics US, Inc.
Address: 2050 W. Sam Houston Parkway South, Suite 1750, Houston, TX 77042 US

herein referred to as "Company", its successors and assigns our entire respective rights, titles the application(s) listed in the following table:

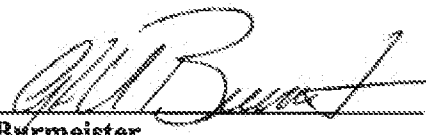
Country of Filing	Type of Filing	Application Number	Filing Date	Title
US	Utility	16/451,440	06/25/2019	BOTTOM-FIRE PERFORATING DRONE

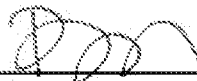
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), 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 the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements

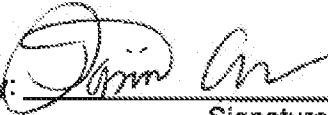
and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

INVENTOR

Signature:  Date: 6-18-19  
Gernot Uwe Burmeister

Witnessed by:  Date: 6/18/19  
Signature

Rocio Chavez  
Printed Name of Witness

Witnessed by:  Date: 6/19/2019  
Signature

Patricia Aldape  
Printed Name of Witness