

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6086772

|                                                                                                                                                                                                 |                                  |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                   |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                       |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                  |                       |
|                                                                                                                                                                                                 | <b>Name</b>                      | <b>Execution Date</b> |
|                                                                                                                                                                                                 | JDP ENGINEERING AND MACHINE INC. | 04/23/2020            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                  |                       |
| <b>Name:</b>                                                                                                                                                                                    | DYNAENERGETICS EUROPE GMBH       |                       |
| <b>Street Address:</b>                                                                                                                                                                          | KAISERSTRASSE 3                  |                       |
| <b>City:</b>                                                                                                                                                                                    | TROISDORF                        |                       |
| <b>State/Country:</b>                                                                                                                                                                           | GERMANY                          |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 53840                            |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                  |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>             | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:              | 29733080              |
| <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>                                                                                                                                                                                   | jradachy@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>                                                                                                                                                                  | DMC007USD1                       |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | JASON D. RADACHY                 |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Jason D. Radachy/               |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 04/30/2020                       |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                  |                       |
| source=JDP_Assignment_to Dyna_US_CA_WO#page1.tif                                                                                                                                                |                                  |                       |
| source=JDP_Assignment_to Dyna_US_CA_WO#page2.tif                                                                                                                                                |                                  |                       |

## ASSIGNMENT

In accordance with the Engineering Agreement between DYNAenergetics and JDP Engineering & Machine Inc. entered into on April 19, 2012, the parties acknowledge their agreement that DYNAenergetics (or one of its affiliated companies) would own all patents and other intellectual property rights in inventions created by JDP Engineering or David C. Parks in the performance of that agreement, and this Assignment completes the agreement contemplated at that time.

In recognition of this background, and in consideration of the sum of One United States Dollar (\$1.00 USD) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, JDP Engineering & Machine Inc., a Canadian corporation with a principal place of business at 12 Crestmont Way SW, Calgary AB, T3B 5Z6, CANADA that is in good standing in the jurisdiction of its formation/organization ("JDP"), desires to and hereby assigns, sells and transfers to DynaEnergetics Europe GmbH, a German company with a principal place of business at Kaiserstrasse 3, 53840 Troisdorf, GERMANY ("Dyna"), all right, title and interest in and to the following patent applications ("Patent Applications"):

| Country of Filing | Type of Filing | Application No.   | Filing Date | Title                                                        |
|-------------------|----------------|-------------------|-------------|--------------------------------------------------------------|
| Canada            | Utility        | 2821506           | 7/18/13     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| PCT               | Utility        | PCT/CA2014/050673 | 7/16/14     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 14/904,788        | 1/13/16     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 15/287,309        | 10/6/16     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 15/617,344        | 6/8/17      | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 15/920,800        | 3/14/18     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 15/920,812        | 3/14/18     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 16/359,540        | 3/20/19     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 16/585,790        | 9/27/19     | PERFORATION GUN COMPONENTS AND SYSTEM                        |
| United States     | Utility        | 16/809,729        | 3/5/20      | PERFORATING GUN SYSTEM WITH ELECTRICAL CONNECTION ASSEMBLIES |

and any and all additional applications for patent claiming priority thereto and patents issuing therefrom or from such additional patent applications 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 Dyna, or its successors or assigns, and agree that on request to utilize commercially reasonable means to procure, communicate or cause to be communicated to Dyna or its representatives or nominees any facts known to JDP respecting the inventions and improvements, 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 Dyna, and to have its employees, affiliates and contractors aid Dyna, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries if and when requested by Dyna and at Dyna's sole cost. The foregoing assignment also includes the right of Dyna and its successors in interests, assignees or affiliates to sue for, and collect and retain damages for, past infringements of the patents assigned herein.

Should any provision of this Assignment or part thereof be held under any circumstances in any jurisdiction to be invalid or unenforceable, such invalidity or unenforceability shall not affect the validity or enforceability of any other provision of this Assignment or other part of such provision.

APRIL 23 2020

**PATENT**

**REEL: 052542 FRAME: 0245**

2/2A

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this Assignment.

IN TESTIMONY WHEREOF,

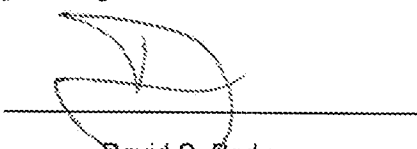
(i) This Assignment is executed on behalf of JDP Engineering & Machine Inc. effective as of 01 January 2017.

(ii) If, however, the foregoing date is found defective or otherwise not binding in any jurisdiction where this Assignment may be used to effect transfer of rights hereto, then the effective date of this Assignment is the date when signed below.

JDP Engineering & Machine Inc.

By:

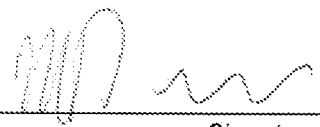
Name:  
Title:

  
David C. Parks  
Owner / Chief Engineer

Date:

APRIL 23, 2020

Witnessed by:

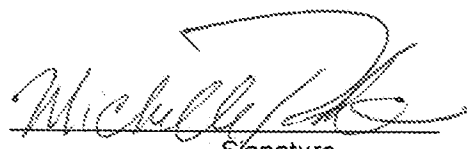
  
Signature

Date:

2020/04/23

MATT PRIDDY  
Printed Name of Witness

Witnessed by:

  
Signature

Date:

APRIL 23 2020

MICHELLE PARKS  
Printed Name of Witness

PATENT

RECORDED: 04/30/2020

REEL: 052542 FRAME: 0246