

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7566466

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DYNAENERGETICS CANADA INC.	03/31/2020
RECEIVING PARTY DATA	
Name:	DYNAENERGETICS EUROPE GMBH
Street Address:	KAISERSTRASSE 3
City:	T
State/Country:	GERMANY
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17955815
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NAME OF SUBMITTER:	JASON D. RADACHY
SIGNATURE:	/Jason D. Radachy/
DATE SIGNED:	09/29/2022
Total Attachments: 1	
source=DMC073WOUSCon_Assignment_Dyna_CA_to_Dyna_EP_executed#page1.tif	

ASSIGNMENT

WHEREAS, DynaEnergetics Canada Inc. of 1-4 Burnt Basin Street, Red Deer, Alberta, T4P 0J3 Canada, a Canadian Corporation, holds legal title in and to this invention and improvements and desires to assign all right, title and interest in and to an ALIGNMENT SUB WITH ORIENTING SUB ADAPTER, the application(s) for which are described in the following table (hereinafter "the Patent Applications"):

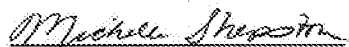
Country of Filing	Type of Filing	Application No.	Filing Date	Title
US	Provisional	63/002,507	03/31/2020	ALIGNMENT SUB AND ORIENTING SUB ADAPTER
US	Utility	17/206,416	03/19/2021	ALIGNMENT SUB AND ORIENTING SUB ADAPTER
EP	PCT	PCT/EP2021/058182	03/29/2021	ALIGNMENT SUB AND ORIENTING SUB ADAPTER
US	Utility	17/955,815	09/29/2022	ALIGNMENT SUB AND PERFORATING GUN ASSEMBLY WITH ALIGNMENT SUB

(We hereby authorize and request DynaEnergetics Europe GmbH 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 Europe GmbH, of Kaiserstrasse 3, Troisdorf, 53840 Germany, 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 Europe GmbH, 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 Europe GmbH or its representatives or nominees any facts known to DynaEnergetics Canada 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 Europe GmbH, and to have its employees, affiliates and contractors aid DynaEnergetics Europe GmbH, 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 Europe GmbH, in exchange for itself and its affiliate DynaEnergetics Canada Inc. an exclusive, royalty-free, irrevocable, worldwide license to manufacture and supply wellbore tool sub assembly products related to the Patent Applications, such license being non-extendable and non-transferable by DynaEnergetics Canada Inc.

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

Signature:



Name:

Michelle Shepston

Title:

Vice President
DynaEnergetics Canada Inc.

Date:

3-31-2020

SUBSCRIBED AND SWORN TO BEFORE ME by the said Michelle Shepston, on this the

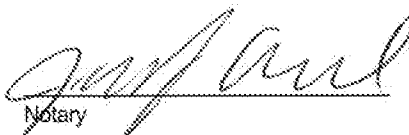
31st

day of March, 2020.

JENNIFER HOUGHLAND
NOTARY PUBLIC
STATE OF COLORADO

NOTARY ID 20174052367

MY COMMISSION EXPIRES DECEMBER 27, 2021


Notary

PATENT

RECORDED: 09/29/2022

REEL: 061260 FRAME: 0325