506228872 08/31/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DUSTIN LOISELLE	08/26/2020
KEVIN JAMES HOLLERICH	08/27/2020
MATT TOURIGNY	08/24/2020

RECEIVING PARTY DATA

Name:	SUN ENERGY SERVICES, LLC D/B/A DEEP WELL SERVICES	
Street Address:	719 WEST NEW CASTLE STREET	
City:	ZELIENOPLE	
State/Country:	PENNSYLVANIA	
Postal Code:	16063	

PROPERTY NUMBERS Total: 2

Property Type	Number
PCT Number:	US2046361
Application Number:	16541709

CORRESPONDENCE DATA

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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: 412-471-8815

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Correspondent Name: THE WEBB LAW FIRM
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Address Line 2:420 FT. DUQUESNE BLVD., SUITE 1200Address Line 4:PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	8811-2004733	
NAME OF SUBMITTER:	JAMES G. PORCELLI, REG. 33,757	
SIGNATURE:	/James G. Porcelli/	
DATE SIGNED:	08/31/2020	

Total Attachments: 5

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PATENT 506228872 REEL: 053643 FRAME: 0270

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> PATENT REEL: 053643 FRAME: 0271

Attorney Docket No. <u>8811-2004733</u>
ASSIGNMENT
WHEREAS, as a below named inventor, I have invented certain new and useful improvements in
METHOD AND APPARATUS FOR OPTIMIZING A WELL DRILLING OPERATION
(Invention Title)
for which a United States Provisional Patent application was filed on(mm/dd/yyyy) and bears Application Number (hereinafter "said application").
AND/OR
for which I have this day executed an application for a United States Patent (hereinafter "said application").
AND/OR
Y for which an application for a United States Patent was filed on 08/15/2019 (mm/44/mm)

Application No. PCT/US20/46361

[X] for which an international patent application was filed under the Patent Cooperation Treaty on 08/14/2020 (mm/dd/yyyy), bearing Application No. PCT/US20/46361 (hereinafter "said application").

and bears Application Number 16/541,709 (hereinafter "said application").

AND/OR

AND, WHEREAS, SUN ENERGY SERVICES, LLC D/B/A DEEP WELL SERVICES, a corporation of Delaware, having a place of business at 719 West New Castle Street, Zelienople, PA 16063, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries, including rights of priority under the International Convention of Paris (1883) as amended, and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisionals, non-provisionals, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, non-provisional

Application No.	PCT/U	S20/46361
Attorney	Docket No.	8811-2004733

reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1.	FULL	NAME	OF A	ASSIGNOR
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RESIDENCE

Dustin Loiselle

Zelienople, PA

EXECUTED this 26th day of August, 2020

The second secon

WITNESS

Name: Michael

T. Smith

X Checked Box indicates 3 additional page(s).

	Application No. PCT/US20/46361
	Attorney Docket No. <u>8811-2004733</u>
FULL NAME OF ASSIGNOR: Kevin James Hollerich	RESIDENCE: Bethel Park, PA
EXECUTED this 27th day of August	_, 2020 Muffflieds SIGNATURE
WITNESS: Name: Michael T. Smith	

	Attorney Docket No. <u>8811-2004733</u>
3. FULL NAME OF ASSIGNOR: Matt Tourigny	RESIDENCE: Mars, PA
EXECUTED this 24 day of August	, 2020SIGNATURE
WITNESS:	

Application No. PCT/US20/46361

	Application No. PCT/US20/46361
	Attorney Docket No. <u>8811-2004733</u>
Acknowledgement of this Assignment is mad	e by/on behalf of the Assignee:
NAME OF ASSIGNEE: SUN ENERGY SERVICES, LLC D/B/A	PLACE OF BUSINESS:
DEEP WELL SERVICES	Zelienople, PA
EXECUTED this 27th day of August	SIGNATURE
	Name: Mark Marmo

Title: CEO

WITNESS:

Name: Michael T. Smith