

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Nathan J Harder</td><td>12/21/2005</td></tr><tr><td>Paul O Padgett</td><td>10/28/2005</td></tr></tbody></table>	Name	Execution Date	Nathan J Harder	12/21/2005	Paul O Padgett	10/28/2005	
Name	Execution Date						
Nathan J Harder	12/21/2005						
Paul O Padgett	10/28/2005						
RECEIVING PARTY DATA							
Name:	Particle Drilling Technologies, Inc.						
Street Address:	5611 Baird Court						
City:	Houston						
State/Country:	TEXAS						
Postal Code:	77041						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11204442</td></tr></tbody></table>	Property Type	Number	Application Number:	11204442			
Property Type	Number						
Application Number:	11204442						
CORRESPONDENCE DATA							
Fax Number:	(713)221-2141						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	713-221-1185						
Email:	jeffrey.whittle@bgllp.com						
Correspondent Name:	Jeffrey S. Whittle						
Address Line 1:	711 Lousiana Street, Suite 2300						
Address Line 4:	Houston, TEXAS 77002						
ATTORNEY DOCKET NUMBER:	66015.105018						
NAME OF SUBMITTER:	Jeffrey S. Whittle						
Total Attachments: 4 source=assign655015105018#page1.tif source=assign655015105018#page2.tif source=assign655015105018#page3.tif							

OP \$40.00 11204442

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PATENT  
REEL: 020838 FRAME: 0729



**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Nathan J. Harder  
Paul O. Padgett

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 12/21/2005 & 10/28/2005

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Particle Drilling Technologies, Inc.

Internal Address: \_\_\_\_\_

Street Address: 5611 Baird Court

City: Houston

State: Texas

Country: US Zip: 77041

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)  
11/204,442

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Jeffrey S. Whittle

Internal Address: \_\_\_\_\_

Street Address: 711 Louisiana Street, Suite 2300

City: Houston

State: Texas Zip: 77002

Phone Number: 713-221-1185

Fax Number: 713-221-2141

Email Address: jeffrey.whittle@bglip.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

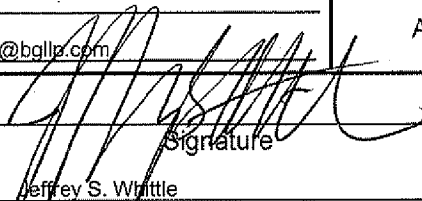
**8. Payment Information**

a. Credit Card Last 4 Numbers 2347  
Expiration Date 11/2010

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature  
Jeffrey S. Whittle

4-22-08  
Date

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT**

WHEREAS, I / we, the undersigned, residing at the indicated addresses given below, have invented certain new and useful improvements in **IMPACT EXCAVATION SYSTEM AND METHOD WITH PARTICLE TRAP**, for which an application for United States Letters Patent was filed August 16, 2005 as Serial No. 11/204,442.

WHEREAS, Particle Drilling Technologies, Inc. (hereinafter Assignee), a corporation organized and existing under the laws of the State of Nevada, having its principal office and place of business at One City Centre, 1021 Main Street, Suite 2650, Houston, Texas 77002, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, [I / we] have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and [I / we] hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND [I / WE] HEREBY covenant that [I / we] have full right to convey the entire interest herein assigned, and that [I / we] have not executed, and will not execute, any agreement in conflict herewith.

AND [I / WE] HEREBY further covenant and agree that [I / we] will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to [me / us] respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of December, 2005.

Signed

NATHAN J. HARDER

Address:

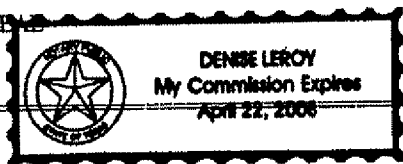
9125 Highway 6 N #133  
Houston, Texas 77095

State of Texas

County of Harris )

On this 21<sup>st</sup> day of December, 2005, personally appeared before me the above-named NATHAN J. HARDER, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL



Denise Leroy  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2005.

Signed

HARRY B. CURLETT

Address:

3103 Big Horn Avenue  
Cody, Wyoming 82414

State of Wyoming )

County of \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2005, personally appeared before me the above-named HARRY B. CURLETT, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of OCT, 2005.

Signed Paul O. Padgett  
PAUL O. PADGETT

Address: 3931 Road 2DA 4400 S. Poplar #210  
Cody, Wyoming 82414 Casper, WY 82601

State of Wyoming )  
County of Natrona )

On this 28th day of October, 2005, personally appeared before me the above-named PAUL O. PADGETT, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL



Stormy Dean  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2005.

Signed \_\_\_\_\_

Address: SAMUEL R. CURLETT  
539 Hamilton, Way, Apt. #1  
Powell, Wyoming 82435

State of Wyoming )  
County of \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2005, personally appeared before me the above-named SAMUEL R. CURLETT, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

SEAL

\_\_\_\_\_  
Notary Public