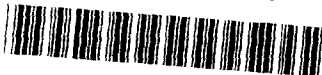


10-29-2001



101888171

To the Honorable Commissioner of Patents and Trademarks: Please receive the enclosed original documents or copy thereof.

1. Name of conveying party(ies):

10/19/01

Henry B. Mazorow and Paris E. BlairAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: April 30, 2001; May 8, 2001

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

Name: Performance Research & Drilling, LLCStreet Address: 209 West 21st StreetCity: Lorain State: OhioZip: 44052Additional name(s) of receiving party(ies) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): 09/788,210

B. Patent No.(s):

Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: John P. MurtaughStreet Address: 526 Superior Avenue EastSuite 1200City: Cleveland State: OH Zip: 44114-14846. Total number of applications and patents involved: 17. Total Fee (37 C.F.R. §3.41) .....\$40.00

- ☒ Enclosed  
☒ Authorized to be charged to Deposit Account  
for any uncovered fees

8. Deposit Account No.

16-0820, Order No. 32136US1

(Attach duplicate copy of this page if paying by deposit account)

10/29/2001 DBYRNE 00000009 09788210

FC:581

40.00 DP

DO NOT USE THIS SPACE

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven J. Solomon

Name of Person Signing

Signature

October 17, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

# ASSIGNMENT

(Joint)

WHEREAS, we, the undersigned, have made new and useful inventions and improvements in

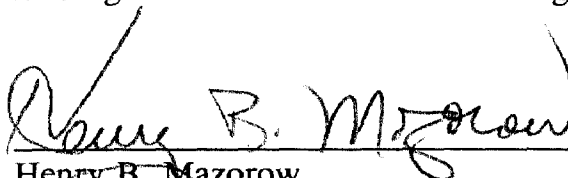
## HORIZONTAL DIRECTIONAL DRILLING IN WELLS

for which an application for Letters Patent of the United States was filed on February 16, 2001, which application is identified as U.S. Serial No. 09/788,210 (Pearne & Gordon LLP Docket No. 32136US1).

WHEREAS, Performance Research & Drilling, LLC., a limited liability company of the State of Ohio, having a principal place of business at 209 West 21st Street, Lorain, Ohio 44052 hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in and to said inventions and improvements including the patent rights therefor.

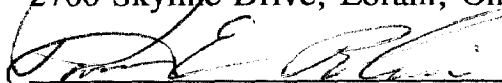
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign and transfer unto assignee, its successors and assigns, all right, title, and interest, in the United States and throughout the world, in and to said inventions and improvements and all patent applications, patents, patent rights, and inventor's certificates therefor, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues thereof, all right to sue for past infringement thereunder, and all patents which may be granted for said inventions and improvements by states or nations other than the United States and all applications therefor; we covenant and agree for ourselves and for our executors, administrators, and legal representatives that, at assignee's request, we will execute and deliver any applications, affidavits, assignments, and other instruments as may be deemed necessary or desirable to secure for or vest in assignee, its successors or assigns, all right, title, and interest in and to any application, patent, or other right or property covered by this assignment, including the right to apply for and obtain patents in foreign countries under the provisions of the International Convention; and we hereby request and authorize the United States Commissioner of Patents and Trademarks to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in and to the same, and authorize appropriately empowered officials of foreign countries to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title, and interest in and to the same.

Date: 4-30-01



Henry B. Mazorow  
2700 Skyline Drive, Lorain, Ohio 44053

Date: 05-08-01



Paris E. Blair  
2120 Brentwood Drive, Casper, Wyoming 82604

Date: \_\_\_\_\_

Chris Sanfelice  
4957 S. Hensley Circle, Kearns, Utah 84118

STATE OF OHIO )  
 ) ss:  
COUNTY OF Lorain )

The above named Henry B. Mazorow, known to me, appeared before me this 30<sup>th</sup> day of April, 2001, and acknowledged that the foregoing instrument was executed by him as his free act and deed for the uses and purposes therein set forth.

**RUTH A. SMITH, Notary Public**

For the State of Ohio

My commission expires Dec. 13, 2003

Notarial Seal

Ruth A. Smith  
Notary Public  
My Commission Expires: 12-13-2003

STATE OF WYOMING )  
 ) ss:  
COUNTY OF Natrona )

The above named Paris E. Blair, known to me, appeared before me this 8 day of May, 2001, and acknowledged that the foregoing instrument was executed by him as his free act and deed for the uses and purposes therein set forth.

Notarial Seal

Kim Bennett  
Notary Public  
My Commission Expires: 3-13-04



STATE OF UTAH )  
 ) ss:  
COUNTY OF \_\_\_\_\_ )

The above named Chris Sanfelice, known to me, appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2001, and acknowledged that the foregoing instrument was executed by him as his free act and deed for the uses and purposes therein set forth.

Notarial Seal

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_