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PAT

08-16-1999

To the Honorable Commissioner of Patents and Trademarks:



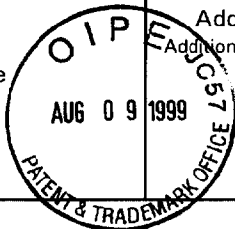
iments or copy thereof.

1. Name of conveying party(ies):  
William H. Sherwood Jr.  
Additional name(s) of conveying party(ies) attached?  Yes  No

101118216  
2. Name and address of receiving party(ies):  
Name: Halliburton Energy Services, Inc.  
Address: 2601 Beltline Road, Carrollton, TX 75006

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

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



Execution Date: 4/8/99

4. Application number(s) or patent number(s): ..... (Atty.Docket SD-98-13)  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
09/311,155

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
**Robert Groover**  
**17000 Preston Rd. #230,**  
**Dallas TX 75248**  
**(972) 380-6333**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
07-2320  
(Attach duplicate copy of this page if paying by deposit account)

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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.*

Oraline Jorgenson  
Name of Person Signing

Oraline Jorgenson  
Signature

8/9/99  
Date

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

40.00 DP

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**ASSIGNMENT**

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **William H. Sherwood Jr.**, having made an invention in an **“Drag-Bit Drilling with Multi-Axial Tooth Inserts,”** while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 2601 Beltline Road, Carrollton, Texas, 75006, (sometimes hereinafter called “ASSIGNEE”), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in a **“Drag-Bit Drilling with Multi-Axial Tooth Inserts”**;

2. United States of America patent application on said invention, Attorney File No. **SD-98-13**, filed herewith, executed by us, entitled **“Drag-Bit Drilling with Multi-Axial Tooth Inserts”**;

3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;


5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED at HARRIS County, Texas, on the 8 day of APRIL, 1999.

  
William H. Sherwood, Jr.

STATE OF Texas §  
  §  
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared **William H. Sherwood, Jr.**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8<sup>th</sup> day of April, 1999.

  
Notary Public

[SEAL]

My Commission Expires:

