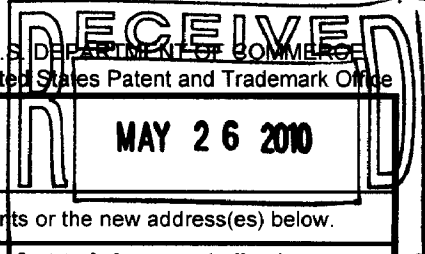


05-28-2010

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103598361

To the Director of the U.S. Patent and Trademark Office

documents or the new address(es) below.

5.26.10  
S.S.

**1. Name of conveying party(ies)**  
 Robert Charles Southard

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

**2. Name and address of receiving party(ies)**  
 Name: Southard Drilling Technologies, L.P.  
 Internal Address: \_\_\_\_\_  
 Street Address: 2700 Post Oak Boulevard, Suite 1400  
 City: Houston  
 State: Texas  
 Country: US Zip: 77057

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

**3. Nature of conveyance/Execution Date(s):**  
 Execution Date(s) 6 May 2010

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other Correction of Recordation

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)  
 B. Patent No.(s)  
 7,673,707  
 (Incorrectly recorded at Reel/Frame 024397/0962 in connection with Patent No. 6,673,707)

Additional numbers attached?  Yes  No

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

Name: Jacob S. Mattis  
 Internal Address: \_\_\_\_\_  
 Matthews, Lawson, Johnson & Payne, PLLC  
 Street Address: 2000 Bering Drive, Suite 700  
 City: Houston  
 State: Texas Zip: 77057  
 Phone Number: (713) 355-4200  
 Fax Number: (713) 355-9689  
 Email Address: \_\_\_\_\_

**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 to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_  
 Authorized User Name \_\_\_\_\_

**9. Signature:**   
 Signature  
 Jacob S. Mattis  
 Name of Person Signing

05/27/2010 NJANA1 00000025 7673707  
 01 FC:8021 25 May 2010 40.00 DP  
 Date

Total number of pages including cover sheet, attachments, and documents: 2

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

05-18-2010



103597441

To the Director of the U.S. Patent and Trademark Office, please return the attached documents or the new address(es) below.

21-375

1. Name of conveying party(ies)

Robert Charles Southard

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

2. Name and address of receiving party(ies)

Name: Southard Drilling Technologies, L.P.

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

Street Address: 2700 Post Oak Boulevard, Suite 1400

City: Houston

State: Texas

Country: US

Zip: 77056

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

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

Execution Date(s) 5 May 2010

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

4. Application or patent number(s):

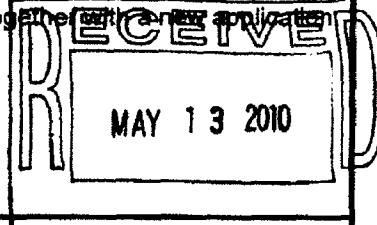
This document is being filed together with a new application

A. Patent Application No.(s)

B. Patent No.(s)

6,673,707

Additional numbers attached?  Yes  No



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

Name: Jacob S. Mattis

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

Matthews, Lawson, Johnson & Payne, PLLC

Street Address: 2000 Bering Drive, Suite 700

City: Houston

State: Texas

Zip: 77057

Phone Number: (713) 355-4200

Fax Number: (713) 355-9689

Email Address: \_\_\_\_\_

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 to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number \_\_\_\_\_

Authorized User Name 00000011 6673707

01 FC:0021

40.00

9. Signature:

Signature

13 May 2010

Date

Jacob S. Mattis

Name of Person Signing

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

2

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 1480, Alexandria, V.A. 22313-1460

Assignment of United States Patent  
(Single assignor; single assignee)

Docket No.  
Southard-002:CIP

U.S. Patent No.  
7,673,707

Issue Date  
9 March 2010

Application Serial No.  
11/904,136

Filing Date  
26 September 2007

Title of Invention: Drilling Apparatus and System for Drilling Wells

Owner of Record (hereinafter "Assignor")

Residence or Principal Place of Business of Assignor

Robert Charles Southard

2700 Post Oak Boulevard, Suite 1400  
Houston, Texas 77056  
US

Assignee

Residence or Principal Place of Business of Assignee

Southard Drilling Technologies, L.P.

2700 Post Oak Boulevard, Suite 1400  
Houston, Texas 77056  
US

Whereas, the above-identified Assignor is the sole owner of record of the above-identified United States Patent, and;

Whereas, the above-identified Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$

1.00 and other good and valuable consideration, the receipt whereof is hereby acknowledged, Assignor, by these presents does sell, assign and transfer unto said Assignee the entire right, title and interest in and to said Patent; the same to be held and enjoyed by said Assignee for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which said Patent is granted, as fully and entirely as the same would have been held by Assignor had this assignment not been made.

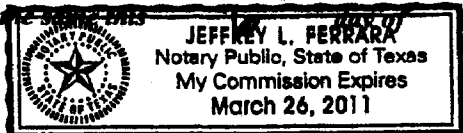
Executed this 6 day of May, in the year 2010  
at Harris County, Texas.

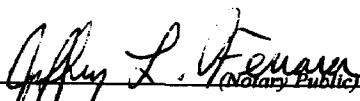
  
Signature of Assignor (or of authorized signatory if Assignor is a corporation, partnership or association)

State of Texas

County of Harris

Before me personally appeared Robert C Southard  
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 6 day of May, in the year 2010.



  
Jeffrey L. Ferrara  
(Notary Public)