

12-19-2006



IT

To the Director of the U.S. Patents &

103350740

documents or the new address(es) below.

1. Name of conveying party(ies):

James L. Duggan
Redd H. Smith

2. Name and address of receiving party(ies)

Name: Baker Hughes Incorporated

Address: 2929 Allen Parkway, Suite 2100,
Houston, TX 77027-5115

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

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

3. Nature of conveyance:

Execution Date(s) December 12, 2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

Express Mail Label Number: EV 826305911 US

Date of Deposit: December 12, 2006

Person Making Deposit: Di M. Sanders

CERTIFICATE OF MAILING

112935 U.S. PTO
11/637327

121206

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

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

A. Patent Application No.(s)
Not yet assigned

B. Patent No.(s)

12/18/2006 DBYRME 00000072 020429 11637327

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40.00 DA

Additional numbers attached? ☐ Yes ☒ No

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

Name: TraskBritt

Internal Address: _____

Street Address: P.O. Box 2550

City: Salt Lake City

State: UT Zip: 84110

Phone Number : 801-532-1922

Fax Number: 801-531-9168

Email Address: jgunn@traskbritt.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 02-0429
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 02-0429
Deposit Account Name Bakers Hughes Incorporated
Authorized User Name Joseph A. Walkowski

9. Signature :

J. Jeffrey Gunn 56,957

Signature

Name of Person Signing

Attorney Docket No.: 1684-8036US

December 12, 2006

Date

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

4

PATENT

REEL: 018680 FRAME: 0637

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Baker Hughes Incorporated ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 2929 Allen Parkway, Suite 2100, Houston, TX 77027-5115, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent, which has been executed by each undersigned ASSIGNOR concurrently herewith and is entitled **METHODS OF ATTACHING A SHANK TO A BODY OF AN EARTH-BORING DRILLING TOOL, AND TOOLS FORMED BY SUCH METHODS**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

James L. Duggan
James L. Duggan
Residing at: 16035 Arborlea Drive, Friendswood, Texas 77546

Date 12 DEC 06

Redd H. Smith
Redd H. Smith
Residing at: 46 Clovergate Circle, The Woodlands, TX 77382

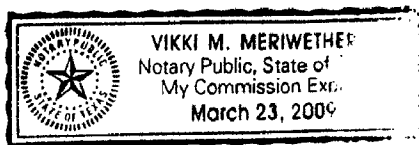
Date 12 Dec 06

COUNTY OF MONTGOMERY

: ss.

STATE OF TEXAS)

On this 12th day of December, 2006, before me personally appeared James L. Duggan to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Vikki M. Meriwether
Notary Public in and for said County and State

My Commission Expires:

3/23/2009

PATENT

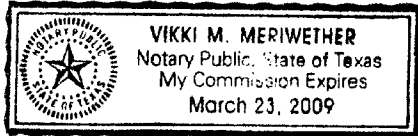
REEL: 018680 FRAME: 0639

COUNTY OF MONTGOMERY)

: ss.

STATE OF TEXAS)

On this 12th day of December, 2006, before me personally appeared Redd H. Smith to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Vikki M. Meriwether
Notary Public in and for said County and State

My Commission Expires:

3/23/2009

Document in ProLaw

PATENT

RECORDED: 12/12/2006

REEL: 018680 FRAME: 0640