



1/25/05 RECORD

02-03-2005



102932661

To the Honorable Commissioner for Patents: Please

Number of copy(ies) thereof.

1. Name of Conveying Party(ies):

- 1. ABBAS ARIAN
- 2. BRUCE MACKAY
- 3. RANDALL JONES
- 4. KEN SMITH
- 5. WES LUDWIG

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

Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: HALLIBURTON ENERGY SERVICES, INC.
 Address: 3000 N. SAM HOUSTON PARKWAY EAST
 HARRIS COUNTY
 HOUSTON, TX 77032
 Country: U.S.

Additional name(s) and address(es) attached? ___ Yes X No

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

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

- A. Patent Application No(s): 10/969,165 FILED 10/20/2004
- B. Patent No(s):

Others on additional sheet(s) attached? ___ Yes X No

3. Nature of Conveyance:

- ASSIGNMENT
 - Verified Translation
 - Merger
 - Security Agreement
 - Change of Name
 - Other: _____
- Execution Date: 01/06/2005 (ABBAS ARIAN) 11/23/2004 (KEN SMITH)
 01/06/2005 (BRUCE MACKAY) 11/23/2004 (WES LUDWIG)
 01/06/2005 (RANDALL JONES)

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

PAUL R. MORICO
 REG. NO. 35,960
 BAKER BOTTS L.L.P.
 ONE SHELL PLAZA
 910 LOUISIANA STREET
 HOUSTON, TEXAS 77002-4995
 713.229.1732 (DIRECT PHONE)
 713.229.7732 (DIRECT FAX)
 PAUL.MORICO@BAKERBOTTS.COM

5. Total number of applications and patents involved:

Application(s): 1
 + Patent(s): _____
 = Total: 1

6. Total Fee (37 C.F.R. § 3.41) \$40.00
CHECK #914974 IN THE AMOUNT OF \$40.00 IS ENCLOSED.

7. Deposit Account No.: 02-0383
 (Duplicate copy of this sheet attached)
 CHARGE ANY UNDERPAYMENT OR CREDIT ANY OVERPAYMENT TO ABOVE DEPOSIT ACCOUNT, ORDER NUMBER 063718.0474

DO NOT USE THIS SPACE

8. 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.

PAUL R. MORICO  01/25/2005
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document:
6 PAGES (INCLUDING DUPLICATE COVER PAGE FOR FEE PROCESSING), 1 CHECK

02/01/2005 DBYRNE 00000260 10969165
 01 FC:8021 40.00 UP

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, the undersigned inventors have invented certain new and useful improvements in **APPARATUS AND METHOD FOR HARD ROCK SIDEWALL CORING OF A BOREHOLE**, an application which was filed with the United States Patent and Trademark Office on **October 20, 2004**, and assigned U.S. Serial No. 10/969,165; and

WHEREAS, Halliburton Energy Services, Inc., a corporation of the State of Delaware, having its principal place of business in Houston, Texas, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Halliburton Energy Services, Inc., its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said Halliburton Energy Services, Inc., of Delaware, its successors and assigns.

Further, we agree that we will communicate to said Halliburton Energy Services, Inc., or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Halliburton Energy Services, Inc., make all rightful oaths and generally to do everything possible to aid said Halliburton Energy Services, Inc., its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of

January, 2005

Abbas Arian
ABBAS ARIAN

In the State of TEXAS §
In the County of HARRIS §
In the Country of USA §

Before me, the undersigned authority, on this 6 day of January, 2005 personally appeared **ABBAS ARIAN** of HOUSTON, Texas, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Ginger Falgoust
Notary or Consular Officer



[seal]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of

January, 2005

Bruce Mackay
BRUCE MACKAY

In the State of TX §
In the County of HARRIS §
In the Country of USA §

Before me, the undersigned authority, on this 6 day of January, 2005 personally appeared **BRUCE MACKAY**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Ginger Falgoust
Notary or Consular Officer



[seal]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of January, 2005

Randall Jones
RANDALL JONES

In the State of TX §
In the County of HARRIS §
In the Country of USA §

Before me, the undersigned authority, on this 6 day of January, 2005 personally appeared **RANDALL JONES**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Ginger Falgoust
Notary or Consular Officer

[seal]



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

KEN SMITH

In the State of _____ §
In the County of _____ §
In the Country of _____ §

Before me, the undersigned authority, on this _____ day of _____, 2005 personally appeared **KEN SMITH**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[seal]

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2004.

RANDY JONES

In the State of _____ §
In the County of _____ §
In the Country of _____ §

Before me, the undersigned authority, on this ____ day of _____, 2004 personally appeared **RANDY JONES**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[seal]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of November, 2004.

Ken Smith
KEN SMITH

In the State of Texas §
In the County of Harris §
In the Country of USA §

Before me, the undersigned authority, on this 23rd day of November, 2004 personally appeared **KEN SMITH**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Jack Paul Jable
Notary or Consular Officer

[seal]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of November, 2004.

Wesley N Ludwig
WES LUDWIG

In the State of Texas §
In the County of Harris §
In the Country of USA §

Before me, the undersigned authority, on this 23rd day of November, 2004 personally appeared **WES LUDWIG**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Judith R. Jable
Notary or Consular Officer

[seal]