

01-29-2004



1-20-04

102656364

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. NAME OF CONVEYING PARTY(IES):

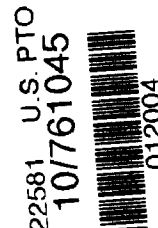
Mark Frey  
David L. Smith  
Brian Clark  
Jan Smits

No additional names attached

2. NAME AND ADDRESS OF RECEIVING PARTY(IES):

Schlumberger Technology Corporation  
P.O. Box 2175  
Houston, Texas 77252-2175  
  
Street Address: 110 Schlumberger Drive  
Sugar Land, Texas 77478

No additional names & addresses attached



3. NATURE OF CONVEYANCE:

ASSIGNMENT EXECUTION DATE: January 12, 2004; January 15, 2004; January 14, 2004

4. APPLICATION NUMBER(S) OR PATENT NUMBER(S):

If this document is being filed with a new application, the execution date of the application is: January 12, 2004; January 15, 2004; January 14, 2004

A. PATENT APPLICATION NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

B. PATENT NO.(s)

10761045

5. NAME AND ADDRESS FOR CORRESPONDENCE:

Schlumberger Technology Corporation  
Attn: Patent Counsel  
P. O. Box 2175  
Houston, Texas 77252-2175  
  
Street Address: 110 Schlumberger Drive  
Sugar Land, Texas 77478  
Our Customer Service No. is 23718.

6. TOTAL NUMBER OF APPLNS. & PATENTS INVOLVED 1.

7. TOTAL FEE (37 CFR.3.41) \$40.00

CHARGE TO DEPOSIT ACCOUNT

8. DEPOSIT ACCOUNT NO. 19-0610  
(a duplicate of this page is attached)

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.

Kevin E. McEnaney

(Signature)

Jan 20, 2004

(Date)

Total number of pages including cover sheet, attachments and document: 5

01/28/2004 DBYRNE 00000040 190610 10761045

01 FC:8021 40.00 DA

## ASSIGNMENT

WHEREAS, the undersigned inventors hereinafter referred to as the "Inventors" each said Inventor's address being listed below

MARK FREY, whose address is 1202 MAGNOLIA WOODS COURT, SUGAR LAND, TEXAS 77479 USA;

DAVID L. SMITH, whose address is BRUNEL WAY, STROUDWATER PARK, STONEHOUSE, GLOUCESTERSHIRE, GL103SX GREAT BRITAIN;

BRIAN CLARK, whose address is 86 GREENSWARD LANE, SUGAR LAND, TEXAS 77479 USA; and

JAN SMITS, whose address is 11914 GARDNER PARK LANE, SUGAR LAND, TEXAS 77478 USA

have invented certain new and useful improvements in

### **MONITORING A RESERVOIR IN CASING DRILLING OPERATIONS USING A MODIFIED TUBULAR**

as described and set forth in attached application (20.2716CIP2).

WHEREAS each of the undersigned persons warrants that no person other than these undersigned persons are inventors of the above-described invention;

AND WHEREAS, Schlumberger Technology Corporation, hereinafter referred to as the "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 110 Schlumberger Drive, Sugar Land, Texas 77478 (P.O. Box 2175, Houston, Texas 77252-2175) is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that undersigned the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the above-described invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements,


TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict herewith.

AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF, I, MARK FREY, have hereunto set my hand and seal this 12<sup>th</sup> day of JANUARY, 2004.

  
\_\_\_\_\_  
MARK FREY

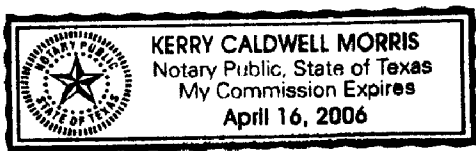
(L. S.)

State of Texas)

County of Fort Bend)

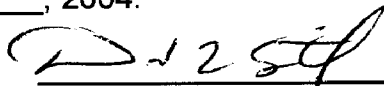
BEFORE ME this 12<sup>th</sup> day of January, 2004, personally appeared MARK FREY, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

  
\_\_\_\_\_  
Notary Public



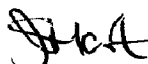
SEAL

IN WITNESS WHEREOF, I, DAVID L. SMITH, have hereunto set my hand and seal this day of 15 JANUARY, 2004.

  
\_\_\_\_\_  
DAVID L. SMITH

WITNESSED:

BE IT KNOWN that David L. Smith is to me known to be the individual described in the foregoing assignment, that on this 15<sup>TH</sup> day of JANUARY, 2004 I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
Witness

153 LONG CROFT

BRIMSHAM PARK

YATE

BS37 7YN UK  
Post Office Address

  
\_\_\_\_\_  
Witness

48 PINE RISE

WITNEY

OXON

OX28 1EY  
Post Office Address

IN WITNESS WHEREOF, I, BRIAN CLARK, have hereunto set my hand and seal this 14 day of 2004 January, 2004.

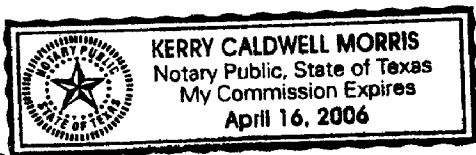
Brian Clark  
BRIAN CLARK

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 14 day of January, 2004, personally appeared BRIAN CLARK, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Kerry Caldwell Morris  
Notary Public

SEAL

IN WITNESS WHEREOF, I, JAN SMITS, have hereunto set my hand and seal this 14 day of Jan, 2004.

Jan Smits  
JAN SMITS

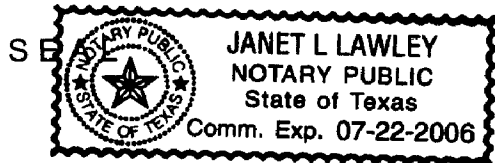
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 14 day of January, 2004, personally appeared JAN SMITS, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Janet L. Lawley  
Notary Public



SEAL