

08-07-2003

PATE



To the Honorable Commissioner of Patents and Trademark

copy thereof.

102518077

1. Name of conveying party(ies):

84.03

Michael L. Fripp  
John P. Rodgers  
Roger L. SchultzAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Halliburton Energy Services, Inc.Internal Address: Legal, Intellectual Property DepartmentStreet Address: P.O. Box 819052City: Dallas State: Texas ZIP: 75381Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: July 29, 2003; July 30, 20034. Application number(s) or patent number(s): 10/409,515

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

A. Patent Application No.(s)

10/409,515

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: William M. ImwalleInternal Address: Legal, Intellectual Property DepartmentHalliburton Energy Services, Inc.Mail Code 1-B-121Street Address: P.O. Box 819052City: Dallas State: Texas ZIP: 753816. Number of applications and patents involved: 12003 AUG -4 AM 9:44  
OPR/FINANCE7. Total fee (37 CFR 3.41) ..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

08-0300

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.*SCOTT F. WENDORF

Name of Person Signing

Signature

Date

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

08/05/2003 8TON11 00000668 000300 10409515

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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, **Michael L. Fripp, John P. Rodgers, and Roger L. Schultz**, having made an invention in a **“Flexible Piezoelectric For Downhole Sensing, Actuation and Health Monitoring”** 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 **“Flexible Piezoelectric For Downhole Sensing, Actuation and Health Monitoring”**;

2. United States of America patent application on said invention, Attorney File No. **2002-IP-007906 U1 USA**, U.S. Serial No. **10/409,515**, filed **April 8, 2003** executed by us, entitled **“Flexible Piezoelectric For Downhole Sensing, Actuation and Health Monitoring”**;

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.

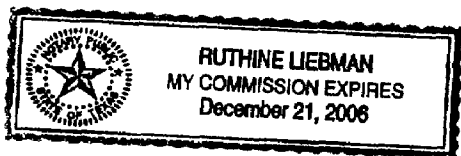
EXECUTED at Dallas County, Texas, on the 29 day of July, 2003.

  
Michael L. Fripp


STATE OF Texas §  
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared **Michael L. Fripp** 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 29<sup>th</sup> day of July, 2003.



[SEAL]

  
Notary Public

My Commission Expires: 12-21-06

EXECUTED at Dallas County, Texas, on the 30<sup>th</sup> day  
of July, 2003.

  
John P. Rodgers

STATE OF Texas §  
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared **John P. Rodgers** 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 30<sup>th</sup>  
day of July, 2003.



*Anthony Liebman*  
Notary Public

[SEAL]

My Commission Expires: 12-21-06

EXECUTED at DALLAS County, Texas, on the 30<sup>th</sup> day  
of JULY, 2003.

  
Roger L. Schultz

STATE OF Texas §  
COUNTY OF Dallas §  
§

BEFORE ME, the undersigned authority, on this day personally appeared **Roger L. Schultz** 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 30<sup>th</sup>  
day of July, 2003.



*Ruthie Lieberman*  
Notary Public

[SEAL]

My Commission Expires: 12-21-06