

04-25-2001



101685531

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
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PATENTS ONLY

Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

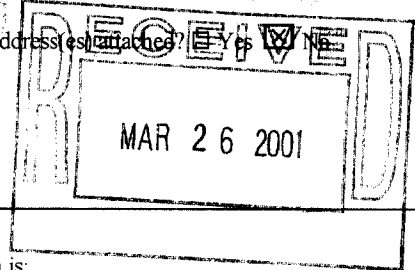
Harold Kent Beck
Clark E. Robison
Arthur Isadore Burke
Ian Colin Phillips
Elbert Juan Smith
Tance JacksonAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: February 21, 2001

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 ☒ No4. Application number(s) or patent number(s): 09/745,911

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

A. Patent Application No.(s)

09/745,911

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. Imwalle
Internal Address: Legal, Intellectual Property Department
Halliburton Energy Services, Inc.
Mail Code 1-B-121
Street Address: P.O. Box 819052
City: Dallas State: Texas ZIP: 753816. Number of applications and patents involved: 17. 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.

William M. Imwalle

Name of Person Signing

Signature

Date

March 23, 2001Total number of pages including cover sheet, attachments, and document: 16PATENT
REEL: 011705 FRAME: 0001

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, **Harold Kent Beck, Clark E. Robison, Arthur Isadore Burke, Ian Colin Phillips, Elbert Juan Smith, and Tance Jackson**, having made an invention in an **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"** 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 **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"**;

2. United States of America patent application on said invention, Attorney File No. **752285 U1D1 USA**, U.S. Serial No. **09/745,911**, filed **December 20, 2000** executed by us, entitled **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"**;

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;

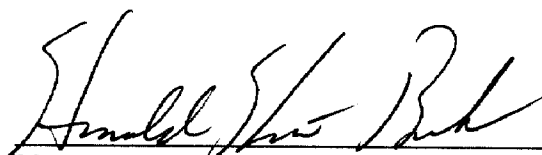
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

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 6th day of March, 2001.

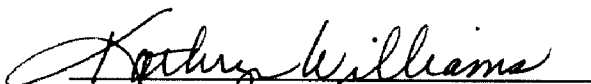

Harold Kent Beck

STATE OF Texas §
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared **Harold Kent Beck** 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 6th day of March, 2001.




Notary Public

[SEAL]

My Commission Expires:

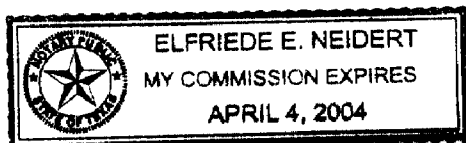
EXECUTED at HARRIS County, Texas, on the 8th day
of MARCH, 2001.

Clark E. Robison
Clark E. Robison

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared
Clark E. Robison 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 8th
day of March, 2001.

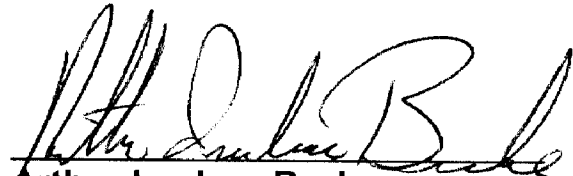


Elfriede E. Neidert
Notary Public

[SEAL]

My Commission Expires:

EXECUTED at Dallas County, Texas, on the 15th day
of March, 2001.


Arthur Isadore Burke

STATE OF Texas §
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared **Arthur Isadore Burke** 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 15th
day of March, 2001.




Notary Public

[SEAL]

My Commission Expires:

EXECUTED at _____ County, Texas, on the _____ day
of _____, 2001.

Ian Colin Phillips

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared
Ian Colin Phillips 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 _____
day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires:

EXECUTED at Dallas County, Texas, on the 8th day
of March, 2001.

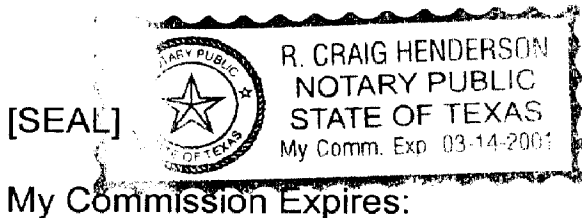
Elbert Juan Smith
Elbert Juan Smith

STATE OF Texas §
COUNTY OF Dallas §
§

BEFORE ME, the undersigned authority, on this day personally appeared **Elbert Juan 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 for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8th
day of March, 2001.

R. Craig Henderson
Notary Public



EXECUTED at Dallas County, Texas, on the 21st day
of February, 2001.

Tance Jackson
Tance Jackson

STATE OF Texas §
§
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day personally appeared
Tance Jackson 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 21st
day of February, 2001.



Kathryn Williams
Notary Public

[SEAL]

My Commission Expires:

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, **Harold Kent Beck, Clark E. Robison, Arthur Isadore Burke, Ian Colin Phillips, Elbert Juan Smith, and Tance Jackson**, having made an invention in an **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"** 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 **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"**;

2. United States of America patent application on said invention, Attorney File No. **752285 U1D1 USA**, U.S. Serial No. **09/745,911**, filed **December 20, 2000** executed by us, entitled **"METHODS AND ASSOCIATED APPARATUS FOR DOWNHOLE DATA RETRIEVAL MONITORING AND TOOL ACTUATION"**;

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 _____ County, Texas, on the _____ day of _____, 2001.

Harold Kent Beck

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared **Harold Kent Beck** 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 _____ day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires:

EXECUTED at _____ County, Texas, on the _____ day
of _____, 2001.

Clark E. Robison

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared
Clark E. Robison 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 _____
day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires:

EXECUTED at _____ County, Texas, on the _____ day
of _____, 2001.

Arthur Isadore Burke

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared
Arthur Isadore Burke 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 _____
day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires:

EXECUTED at ABERDEEN ^{SCOTLAND} ~~County, Texas~~, on the SECOND day
of MARCH, 2001.


Ian Colin Phillips

STATE OF Aberdeen §
COUNTY OF Scotland §

BEFORE ME, the undersigned authority, on this day personally appeared **Ian Colin Phillips** 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 Second
day of March, 2001.


Notary Public

[SEAL]

My Commission Expires: for life

EXECUTED at _____ County, Texas, on the _____ day
of _____, 2001.

Elbert Juan Smith

STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared
Elbert Juan 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
for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _____
day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires:

EXECUTED at _____ County, Texas, on the _____ day
of _____, 2001.

Tance Jackson

STATE OF _____ §

§

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared
Tance Jackson 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 _____
day of _____, 2001.

Notary Public

[SEAL]

My Commission Expires: