

05-27-2003



102456565

Form PTO-1595
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 5-19-03Prentice G. Creel Eldon Dwyann Dalrymple
Charles L. Boatman
Sam W. McDonald
Richard H. TateAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Prentice G. Creel 4-25-03
Charles L. Boatman 5-7-03
Sam W. McDonald 4-25-03
Execution Date: Richard H. Tate 4-25-03
Eldon Dwyann Dalrymple 4-23-03

2. Name and address of receiving party(ies)

Name: Halliburton Energy Services, Inc.

Internal Address: _____

Street Address: 10200 Bellaire Blvd.City: Houston State: TX Zip: 77072Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: 02/27/2003A. Patent Application No.(s) 10/375,205

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert A. KentInternal Address: Halliburton Energy ServicesStreet Address: 2600 South 2nd StreetCity: Duncan State: OK Zip: 735366. Total 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

DO NOT USE THIS SPACE

9. Signature.

Robert A. Kent

Name of Person Signing

Signature

5-13-03
DateTotal number of pages including cover sheet, attachments, and documents: 5Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 014091 FRAME: 0768

ASSIGNMENT

Whereas, I/We, **Prentice G. Creel** of Ector County, Odessa, Texas, **Charles L. Boatman** of Harris County, Houston, Texas, **Sam W. McDonald** of Midland County, Midland, Texas, **Richard H. Tate** of Terry County, Brownfield, Texas and **Eldon Dwyann Dalrymple** of Stephens County, Duncan, Oklahoma, have invented "**Methods for Passing a Swelling Agent into a Reservoir to Block Undesirable Flow Paths During Oil Production**" for which I have made application for Letters Patent of the United States; and Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number__ 10/375,205 filed on 02/27/2003, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

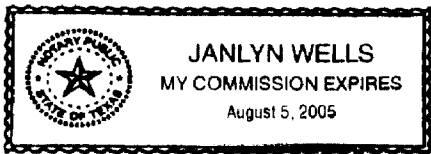
Executed this 25 day of April, 2003, at Midland, Midland
County, Texas, U.S.A.

[Signature]
Signature

STATE OF TEXAS)
) ss
COUNTY OF Texas)

Before me personally appeared said **Prentice G. Creel** and acknowledged the foregoing instrument to be his free act and deed this 25th day of April, 2003.

Seal



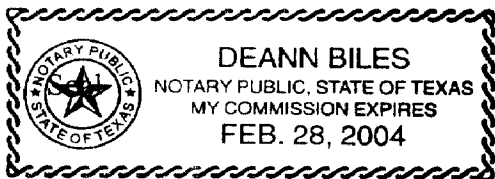
[Signature]
(Notary)

Executed this 7 day of May, 2003, at N. Belt, Houston TX
County, Texas, U.S.A.

[Signature]
Signature

STATE OF TEXAS)
) ss
COUNTY OF Harris)

Before me personally appeared said **Charles L. Boatman** and acknowledged the foregoing instrument to be his free act and deed this 7th day of May, 2003.



[Signature]
(Notary)

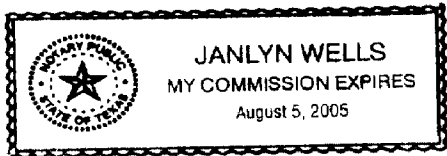
Executed this 25 day of April, 2003, at Midland, Midland
County, Texas, U.S.A.

Sam W. McDonald
Signature

STATE OF TEXAS)
COUNTY OF Texas) ss

Before me personally appeared said **Sam W. McDonald** and acknowledged the foregoing instrument to be his free act and deed this 25th day of April, 2003.

Seal



Janlyn Wells
(Notary)

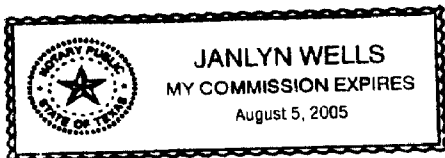
Executed this 25th day of April, 2003, at Midland, Midland
County, Texas, U.S.A.

Richard H. Tate
Signature

STATE OF TEXAS)
COUNTY OF Texas) ss

Before me personally appeared said **Richard H. Tate** and acknowledged the foregoing instrument to be his free act and deed this 25th day of April, 2003.

Seal



Janlyn Wells
(Notary)

BOX ASSIGNMENTS

MAY 20 2003

05-27-2003

DO NOT USE FOR TRADEMARKS



TO THE DIRECTOR OF THE US PATENT AND
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

102456564

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Kazuto KURODA
3. Kazuo WATABE
5. Akihito OGAWA
7.

S-20-03

2. Hideo ANDO
4. Shintaro TAKEHARA
6. You YOSHIOKA
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: KABUSHIKI KAISHA TOSHIBA

ADDRESS: 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST
☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: February 14, 2003

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) February 14, 2003

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in Item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in Item 1
10/329,985	0301034				

5. Name & Address of Party to Whom Correspondence
Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 0301034

T4AOA-02S1193-1

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
NUMBER: 03-3975

UNDER ORDER NO

008312

0301034

MATTER NO.

CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

9. 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.

Signature

10. Total number of pages including this
cover sheet, attachments and document
(do not file dup. Cover sheet)

3

Attorney: Dale S. Lazar

Reg. No. 28872

Date: May 20, 2003

Atty/Sec: DSL/nlh

TEL: (703) 905-2126

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

05/27/2003 TDI A21 00000030 033975 10329985

01 FC:8021 40.00 CH

30373728_1.DOC

PATENT PAT-114X 5/03
REEL: 014091 FRAME: 0772

Executed this 23 day of April, 2003, at Duncan, Stephens County, Oklahoma,
U.S.A.

Eldon Dwyann Dalrymple
Signature

STATE OF OKLAHOMA)
) ss
COUNTY OF STEPHENS)

Before me personally appeared said **Eldon Dwyann Dalrymple** and acknowledged the foregoing
instrument to be his free act and deed this 23rd day of April, 2003.

Seal

Sammy Knight
(Notary)
#02002595

2-13-2006