

3/20/07

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)



03-26-2007

DEPARTMENT OF COMMERCE
Patent and Trademark Office



103387010

new address(es) below.

To the Director of the U.S. Patent and Trademark Office

1. Name of conveying party(ies)

Lance E. Brothers 09/09/2004
Jeffrey J. Miller 09/10/2004

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) _____

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: Halliburton Energy Services, Inc.

Internal Address: _____

Street Address: 10200 Bellaire Boulevard

City: Houston

State: TX

Country: US Zip: 77072

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Craig W. Roddy

Internal Address: Halliburton Energy Services

Street Address: 2600 South Second Street

City: Duncan

State: OK Zip: 73536-0440

Phone Number: 580-251-3012

Fax Number: 580-251-3917

Email Address: Craig.Roddy@Halliburton.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 08-0300

Authorized User Name Halliburton

9. Signature:

Signature

3-15-2007

Date

Craig W. Roddy

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: _____

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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09-23-2004

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

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



102842495
PATENT

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Lance E. Brothers

9-14-04

09/09/04 (Brothers)

Execution Date(s) 09/10/04 (Miller)

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other
- Merger
- Change of Name

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Authorized User Name Halliburton

9. Signature:

Craig W. Roddy
Signature

9-13-2004

Date

09/22/2004 18:53:52 0000090 080300 10940921

Total number of pages including cover sheet, attachments, and documents:

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

22898 U.S. PTO
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PATENT

REEL: 019082 FRAME: 0133

ASSIGNMENT

Whereas, I/We, Lance E. Brothers, of Grady County, Chickasha, Oklahoma, Jeffrey J. Miller, of Harris County, Tomball, Texas, have invented SUBTERRANEAN FLUIDS HAVING IMPROVED ENVIRONMENTAL CHARACTERISTICS AND METHODS OF USING THESE FLUIDS IN SUBTERRANEAN FORMATIONS 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 first executed on September 9, 2004, submitted concurrently herewith, 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 9th day of September, 2004, at Duncan, Stephens County, Oklahoma U.S.A.

Lance E. Brothers
Lance E. Brothers

State of Oklahoma)
) ss
County of Stephens)

Before me personally appeared said Lance E. Brothers and acknowledged the foregoing instrument to be his free act and deed this 9th day of September, 2004.

Seal Sheela D. White
(Notary Public)

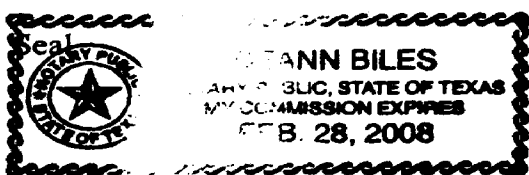
My Commission Expires: September 13, 2004
Commission Number: 00014119

Executed this 10th day of September, 2004, at Houston, Harris County, Texas, U.S.A.

Jeffrey J. Miller
Jeffrey J. Miller

State of Texas)
) ss
County of Harris)

Before me personally appeared said Jeffrey J. Miller and acknowledged the foregoing instrument to be his free act and deed this 10th day of September, 2004.



Beann Biles
(Notary Public)

My Commission Expires: February 28, 2008