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Form PTO-1595

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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):

William W. Shumway

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 04/21/04

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: 77072-5206

Additional 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: 04/21/04

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☐ No

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

Name: Karen B. Tripp

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 1301

City: Houston State: TX Zip: 77251-1301

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0807

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9. Signature.

Karen B. Tripp

Name of Person Signing

Karen B. Tripp  
SignatureApril 21, 2004  
Date

Total number of pages including cover sheet, attachments, and documents: 3

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Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

2387 U.S. PTO  
10/829484

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PATENT  
 REEL: 015288 FRAME: 0565

### ASSIGNMENT

Whereas, I/We, WILLIAM W. SHUMWAY, of Harris County, Houston, Texas, United States of America, have invented POLYMER-BASED, SURFACTANT-FREE, EMULSIONS AND METHODS OF USE THEREOF for which I/We are making or 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 77072-5206, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other 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 signed on April 21, 2004 and expected to be filed in the United States on April 22, 2004, and any divisional, continuing or reissue applications 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/We 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.

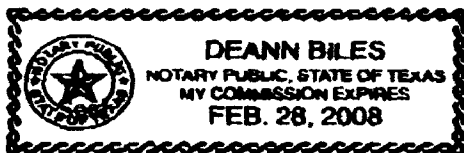
And I/We do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any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

Executed this 21 day of April, 2004, at Houston, Harris County, Texas,  
U.S.A.

William W. Shumway  
Signature  
WILLIAM W. SHUMWAY

State of Texas       )  
                              ) ss  
County of Harris     )

Before me personally appeared said WILLIAM W. SHUMWAY and acknowledged the  
foregoing instrument to be his free act and deed this 21<sup>st</sup> day of April, 2004.



Deann Biles  
(Notary Public)