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09-19-2000

U.S. Department of Commerce  
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PATENT



R. 101461292  
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

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Correction of PTO Error  
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Conveyance Type

Assignment  Security Agreement

License  Change of Name

Merger  Other

**U.S. Government**  
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Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Bobby L. Sullaway

Name (line 2)

Execution Date  
Month Day Year  
08 30 00

Second Party

Name (line 1) Henry E. Rogers

Name (line 2)

Execution Date  
Month Day Year  
08 25 00

09655673

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Halliburton Energy Services, Inc.

Name (line 2)

Address (line 1) 10200 Bellaire Boulevard

Address (line 2)

Address (line 3) Houston TX/USA 77020

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

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**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached  
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month  Day  Year

**Patent Cooperation Treaty (PCT)**  
Enter PCT application number  PCT  PCT   
only if a U.S. Application Number PCT  PCT  PCT   
has not been assigned.

**Number of Properties** Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

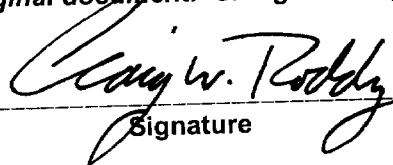
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) #

Deposit Account Number: #   
Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Craig W. Roddy  
Name of Person Signing

  
Signature

8-30-00  
Date

**ASSIGNMENT**

Whereas, We, Bobby L. Sullaway and Henry E. Rogers, both of Stephens County, Duncan, Oklahoma, have invented **METHODS AND APPARATUS FOR CREATING A DOWNHOLE BUOYANT CASING CHAMBER** for which we 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, 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, 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 August 25, 2000, 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 30<sup>th</sup> day of August, 2000, at Duncan, Stephens County, Oklahoma U.S.A.

Bobby L. Sullaway  
Signature

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Bobby L. Sullaway and acknowledged the foregoing instrument to be his free act and deed this 30<sup>th</sup> day of August, 2000.

Seal

Sheri K. McDonald  
(Notary Public)

Executed this 25<sup>th</sup> day of August, 2000, at Duncan, Stephens County, Oklahoma U.S.A.

Henry E. Rogers  
Signature

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said Henry E. Rogers and acknowledged the foregoing instrument to be his free act and deed this 25<sup>th</sup> day of August, 2000.

Seal

Sheri K. McDonald  
(Notary Public)