FORM PTO-1595 08 - U7 - 1996	45 OTTED 1 U.S. DEFMINION OF COMMEN
1-31-92	
To the Honorable Comm 100788624	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
HARRISON C. SMITH	and the same of th
	Name: Halliburton Energy Services, Inc.
	Internal Address: Legal, Intellectual Property Department
Additional name(s) of conveying party(ies) attached? $\Box$ Y s $\boxtimes$ No	Street Address: P.O. Box 819052
3. Nature of conveyance:	City: Dallas State: Texas ZIP: 75381
Assignment □ Merger	Additional name(s) & address(es) attached? ☐ Yes 🗵 No
☐ Security Agreement ☐ Change of Name	
□ Other	
Execution Date: JULY 14, 1998	
4. Application number(s) or patent number(s): <b>08/984,382</b> If this document is being filed together with a new application, the exe	vention data of the application in
A. Patent Application No.(s)	B. Patent No.(s)
	B. Falcin 110.(8)
08/984,382	
Additional nu	mbers attached? ☐ Yes ☒ No
5. Name and address of party to whom correspondence concerning	6. Number of applications and patents involved:
document should be mailed:	
Name: William M. Imwalle	
Internal Address: Legal, Intellectual Property Departme it	
Halliburton Energy Services, Inc.	
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Boy 819052	
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052	7. Total fee (37 CFR 3.41)
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052	7. Total fee (37 CFR 3.41) \$\delta000
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Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052	□ Enclosed
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052	☐ Enclosed  ☑ Authorized to be charged to deposit account
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052	☐ Enclosed  ☑ Authorized to be charged to deposit account  8. Deposit account number:
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052  City: Dallas State: Texas ZIP: 75381	☐ Enclosed  ☑ Authorized to be charged to deposit account  8. Deposit account number:
Halliburton Energy Services, Inc.	☐ 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)
Halliburton Energy Services, Inc.   Mail Code 1-B-121	☐ 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)
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Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052  City: Dallas State: Texas ZIP: 75381  /1998 DNGUYEN 00000342 080300 08984382 DO NOT US: 581 40.00 CH  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information document.	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)  E THIS SPACE
Halliburton Energy Services, Inc.  Mail Code 1-B-121  Street Address: P.O. Box 819052  City: Dallas State: Texas ZIP: 75381  71998 DNGUYEN 00000342 080300 08984382 DO NOT USI  9. Statement and signature.  To the best of my knowledge and belief, the foregoing informatic	☐ 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)

## **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, Harrison C. Smith, having made an invention in an "FAIL SAFE DOWNHOLE SIGNAL REPEATER", 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 "FAIL SAFE DOWNHOLE SIGNAL REPEATER":
- 2. United States of America patent application on said invention, Attorney File No. 970024 U1 USA, U.S. Serial No. 08/984,382, filed December 3, 1997, executed by us, entitled "FAIL SAFE DOWNHOLE SIGNAL REPEATER";
- 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-inpart, 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 statues;
- 6. All rights of act on 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

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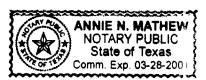
8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

of	EXECUTED at	MA * M	DALLAS County, _, 1998.	Texas, on th	e WKF	14 day
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STATE OF TEXAS

COUNTY OF DALLAS

BEFORE ME, the undersigned authority, on this day personally appeared Harrison C. 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.



Notary Public in and for the State of Texas

Harrison C. Smith

[SEAL]

My Commission Expires:

03-28-2001

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