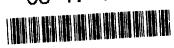
RECORDATION FORM C

PATENTS ON

08-17-1999



OF COMMERCE	
Trademark Office	

Additional name(s) & address(es) attached? Yes State: Yes			
Name and address of receiving party(ies): Name:			
Internal Address: Legal, Intellectual Property Department Street Address: P.O. Box 819052 City: Dallas State: Texas ZIP: 75381 Additional name(s) & address(es) attached? Yes No			
Additional name(s) & address(es) attached? Yes No no date of the application is:			
on date of the application is:			
. Patent No.(s)			
Number of applications and patents involved:			
. Total fee (37 CFR 3.41)			
Authorized to be charged to deposit account			
Deposit account number: 40 (
(Attach duplicate copy of this page if paying by deposit account)			
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true and correct and any attached copy is a true copy of the orig $8/9/99$			

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: $\underline{4}$

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, James Barker, and Jerry Walker, having made an invention in an "Unique Phasings And Firing Sequences For Perforating Guns" 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 "UNIQUE PHASINGS AND FIRING SEQUENCES FOR PERFORATING GUNS";
- United States of America patent application on said invention, Attorney File No. 990121 U1 USA U.S. Serial No. 09/342,482, filed June 29, 1999 executed by us, entitled "Unique Phasings And Firing Sequences For Perforating Guns";
- 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;
- All rights of action 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

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

	EXECUTED a	1 Johnson	County, Texas,	on the	27	day
of		, 199				- ,

other acts as may be reasonably necessary to give ASSIGNEE, its successors

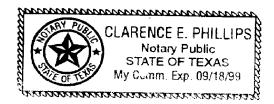
James Barker

STATE OF Texas §
COUNTY OF Johnson §

and assigns, the full benefit of this Assignment.

BEFORE ME, the undersigned authority, on this day personally appeared **James Barker** 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.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _______ day of ______, 1999.



Clarence & Phillips Notary Public

[SEAL]

My Commission Expires:

9-18.99

	EXECUTE	D at Johnson	County,	Texas,	on the	23	day
of	<u> </u>	,	1999.				

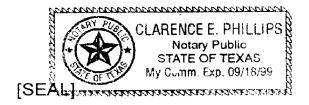
Jerry Walker

STATE OF <u>Texas</u> §

COUNTY OF <u>Johnson</u> §

BEFORE ME, the undersigned authority, on this day personally appeared **Jerry Walker** 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.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _______, day of ________, 1999.



Notary Public

My Commission Expires: 9-18-99