

FORM PTO-1595
(Rev. 6-93) Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94)



U. S. DEPARTMENT OF COMMERCE

101283954

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying parties(ies):

- Wallace R. GARDNER
- Vimal V. SHAH
- Donald KYLE

Additional name(s) of conveying party(ies):

Attached? Yes No

2. Name and address of receiving party(ies):

Halliburton Energy Services, Inc.
4100 Clinton Drive
Building 01, 6th Floor
Houston, Texas 77020

Additional name(s) & address(es):

Attached? Yes No

JCS84 U.S. PTO
09/507610
02/21/00

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 1. February 14, 2000 2. February 14, 2000
3. February 4, 2000

4. Application number(s) or patent number(s): 09/507610

If this document is being filed together with a new application, the execution date of the application is : 1. February 14, 2000
2. February 14, 2000 3. February 4, 2000

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:

DANIEL J. KRUEGER
Conley, Rose & Tayon, P.C.
P. O. Box 3267
Houston, Texas 77253-3267

6. Total number of application 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: 03-2769

(Attach duplicate copy of this page if paying by deposit account)

03/02/2000 TWILLIAM 00000009 09507610
04 FC:561 (40.00 OP)

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy if a true copy of the original document

Daniel J. Krueger [Signature] February 21, 2000
Name of Person Signing Signature Date

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

ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Wallace R. GARDNER, Vimal V. SHAH and Donald KYLE** ("ASSIGNOR"), having made an invention in **HIGH DATA RATE ACOUSTIC TELEMETRY SYSTEM USING MULTIPHASE BLOCK SIGNALING WITH A MINIMUM DISTANCE RECEIVER**, while in the employ either as an employee or consultant of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at Houston, Texas (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 **HIGH DATA RATE ACOUSTIC TELEMETRY SYSTEM USING MULTIPHASE BLOCK SIGNALING WITH A MINIMUM DISTANCE RECEIVER**;
2. United States of America patent application on said invention, Attorney's File No. 1391-18100, executed by us concurrently herewith, entitled **HIGH DATA RATE ACOUSTIC TELEMETRY SYSTEM USING MULTIPHASE BLOCK SIGNALING WITH A MINIMUM DISTANCE RECEIVER**;
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;

ASSIGNMENT (cont'd.)

5. All substitutions for and divisions, continuations, continuations-in-part, 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 statutes;
6. 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 other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED at the place and on the date indicated below, opposite my signature.

2-14-2000
Date

Wallace R Gardner
Wallace R. GARDNER

Place: Houston, TX USA

ASSIGNMENT (cont'd.)

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Wallace R. GARDNER**, 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 14th day of February 2000.

Judith L. Bentley
Notary Public in and for
the State of TEXAS

[S E A L]

My Commission Expires: 10/03/2000

EXECUTED at the place and on the date indicated below, opposite my signature.

2/14/2000
Date

Vimal V. SHAH
Vimal V. SHAH

Place: Houston, Tx

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Vimal V. SHAH**, 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 14th day of February 2000.

Judith L. Bentley
Notary Public in and for
the State of TEXAS

[S E A L]

My Commission Expires: 10/03/2000

ASSIGNMENT (cont'd.)

EXECUTED at the place and on the date indicated below, opposite my signature.

2-4-2000
Date

Donald Kyle
Donald KYLE

Place: Carrollton, Texas

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Donald KYLE**, 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 4th day of February



Mary G. Hubbard
Notary Public in and for
the State of TEXAS

Commission Expires: 1-23-2002