

06-16-2004

1391-42500 (2002-IP-008150)

Form PTO-1595
(Rev. 10/02)



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

102767144

Tab settings

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

1. Name of conveying party(ies):

- 1. Alberto QUINTERO
- 2. Carl DODGE
- 3. Horni P. COOPER
- 4. Wallace R. GARDNER

6-804

2. Name and address of receiving party(ies)

Name: Halliburton Energy Services, Inc.

Internal Address: _____

Street Address: 10200 Bellaire Boulevard

City: Houston State: TX Zip: 77072

15535 U.S. PTO
10/863131

060804

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

- 1. 06/08/04
- 2. 06/08/04
- 3. 06/08/04
- 4. 06/08/04

Execution Date: _____

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: _____

- 1. 06/08/04
- 2. 06/08/04
- 3. 06/08/04
- 4. 06/08/04

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: Daniel J. Krueger

Internal Address: CONLEY ROSE, P.C.

Street Address: P.O. Box 3267

City: Houston State: TX Zip: 77253-3267

6. Total number of applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

03-2769

DO NOT USE THIS SPACE

9. 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.

Daniel J. Krueger, Reg. No. 42,771

Name of Person Signing

Signature

June 8, 2004

Date

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

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

06/16/2004 LHMILLER 00000008 032769 10863131

01 FC:0021 40.00 BA

PATENT
REEL: 015450 FRAME: 0226

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 is hereby acknowledged, **Alberto QUINTERO, Carl DODGE, Homi P. COOPER,** and **Wallace R. GARDNER** ("ASSIGNOR"), having made an invention in **"DOWNHOLE TELEMETRY SYSTEM HAVING DISCRETE MULTI-TONE MODULATION WITH QAM FALLBACK"** 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 **"DOWNHOLE TELEMETRY SYSTEM HAVING DISCRETE MULTI-TONE MODULATION WITH QAM FALLBACK"**;
2. United States of America patent application on said invention, filed concurrently herewith or as U.S. Patent Application No. _____ filed _____, 2004 (Attorney's File No. 1391-42500; attorney is authorized to fill in the application number and filing date after assignment by the U.S. Patent and Trademark Office), entitled **"DOWNHOLE TELEMETRY SYSTEM HAVING DISCRETE MULTI-TONE MODULATION WITH QAM FALLBACK"**;
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, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, 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 me or my 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-in-part, renewals, reissues, extensions, and the like of

Attorney Docket No. 1391-42500
Client Docket No. 2002-IP-008150

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, and 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.

6/8/2004
Date

Homi P. Cooper
Homi P. COOPER

Place: Houston, Texas

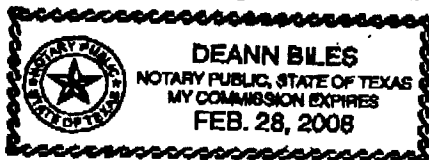
THE STATE OF TEXAS

COUNTY OF HARRIS

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§

BEFORE ME, the undersigned authority, on this day personally appeared, **Homi P. COOPER** 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 8th day of June 2004.



Deann Biles
Notary Public in and for
The State of TEXAS

[SEAL]

My Commission Expires: 02-28-2008

Attorney Docket No. 1391-42500
Client Docket No. 2002-IP-008150

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

June 8, 2004
Date

Carl Dodge
Carl DODGE

Place: Houston, Texas

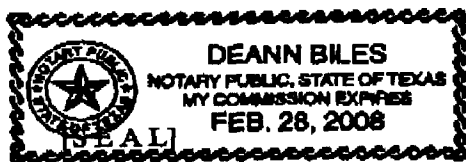
THE STATE OF TEXAS

COUNTY OF HARRIS

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§

BEFORE ME, the undersigned authority, on this day personally **Carl DODGE**, 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 8th day of June 2004.



Deann Biles
Notary Public in and for
The State of TEXAS

My Commission Expires: 02-28-2008

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

JUNE 8/04
Date

Alberto Quintero
Alberto QUINTERO

Place: Houston, Texas

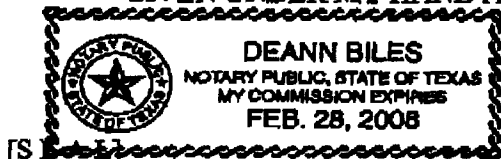
THE STATE OF TEXAS

COUNTY OF HARRIS

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BEFORE ME, the undersigned authority, on this day personally **Alberto QUINTERO**, 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 8th day of June 2004.



Deann Biles
Notary Public in and for
The State of TEXAS

My Commission Expires: 02-28-2008

Attorney Docket No. 1391-42500
Client Docket No. 2002-IP-008150

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

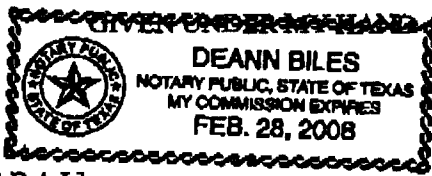
6-8-04
Date

Wallace R Gardner
Wallace R. GARDNER

Place: Houston, Texas

THE STATE OF TEXAS §
COUNTY OF HARRIS §

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



[SEAL]

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 8th day of June 2004.

Deann Biles
Notary Public in and for
The State of TEXAS

My Commission Expires: 02-28-2008
Expires: _____