

101241215

MED 12.16.99

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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

Submission Type

New

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
Reel # Frame #

Corrective Document
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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

JCS18 U.S. PTO
09/464728
12/15/99

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Execution Date Month Day Year

Name (line 2)

Second Party

Name (line 1) Execution Date Month Day Year

Name (line 2)

09/464728

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) 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.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

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)

01/07/2000 DNGUYEN 00000136 080300 09464728

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REEL: 010471 FRAME: 0871

Correspondent Name and Address **Area Code and Telephone Number**

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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
12	10	99

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

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

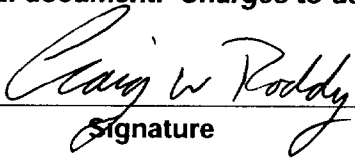
Deposit Account
(Enter for payment by deposit account or if additional fees can be charged to the account.)

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  12-16-99

Name of Person Signing **Signature** **Date**

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Thomas E. Ritter

Execution Date
Month Day Year
12 13 99

Name (line 2)

Execution Date
Month Day Year
12 10 99

Name (line 1) Vimal V. Shah

Name (line 2)

Execution Date
Month Day Year
12 15 99

Name (line 1) Curtis R. Vickery

Name (line 2)

U.S. PTO
09/16/99
12/16/99

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

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Address (line 3) City State/Country Zip Code

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)

ASSIGNMENT

Whereas, I/We, James R. Birchak of Harris County, Spring, Texas; Mark A. Proett of Fort Bend County, Missouri City, Texas; Thomas E. Ritter of Harris County, Katy, Texas; Vimal V. Shah of Harris County, Houston, Texas and Curtis M. Vickery of Duncan, Stephens County, Oklahoma, have invented **VIBRATIONAL FORCED MODE FLUID PROPERTY MONITOR AND METHOD** for which I 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 4100 Clinton Drive, Houston, Texas 77020 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, I/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 December 10, 1999, 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.

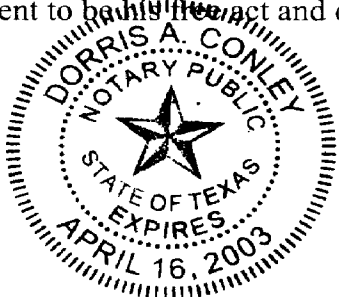
Executed this 10th day of December, 1999, at Houston, Harris County, Texas U.S.A.

James R. Birchak
Signature

State of Texas)
) ss
County of Harris)

Before me personally appeared said James R. Birchak and acknowledged the foregoing instrument to be his free act and deed this 10 day of December, 1999.

Seal



Dorris A. Conley
(Notary Public)

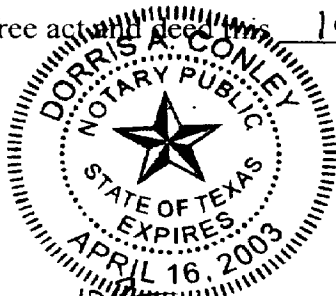
Executed this 10 day of December, 1999, at Houston, Harris County, Texas U.S.A.

Mark A. Proett
Signature

State of Texas)
) ss
County of Harris)

Before me personally appeared said Mark A. Proett and acknowledged the foregoing instrument to be his free act and deed this 10 day of December, 1999.

Seal



Dorris A. Conley
(Notary Public)

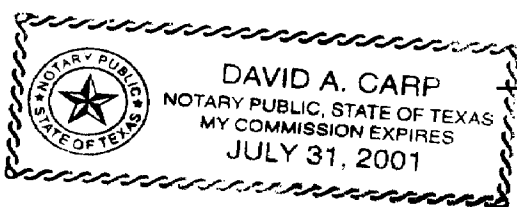
Executed this 13th day of December, 1999, at Houston, Harris County, Texas U.S.A.

Thomas E. Ritter
Signature

State of Texas)
) ss
County of Harris)

Before me personally appeared said Thomas E. Ritter and acknowledged the foregoing instrument to be his free act and deed this 13th day of December, 1999.

Seal



David A. Carp
(Notary Public)

Executed this 10th day of December, 1999, at Houston, Harris County, Texas U.S.A.

Vimal V. Shah
Signature

State of Texas)
) ss
County of Harris)

Before me personally appeared said Vimal V. Shah and acknowledged the foregoing instrument to be his free act and deed this 10 day of December, 1999.

Seal



Dorris A. Conley
(Notary Public)

Executed this 15th day of December, 1999, at Duncan, Stephens County, Oklahoma U.S.A.

Curtis M. Vickery
Signature

State of Oklahoma)
) ss
County of Stephens)

Before me personally appeared said Curtis ^MR. Vickery and acknowledged the foregoing instrument to be his free act and deed this 15th day of December, 1999.

Seal

Sheila D. Miller
(Notary Public)