



11-15-2002

Form PTO-1595 (Rev. 03/01)

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OMB No. 0651-0027 (exp. 5/31/2002)

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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):
 Vimal V. Shah
 Wallace R. Gardner
 Paul F. Rodney
 Neal G. Skinner
 Additional name(s) of conveying party(ies) attached? Yes No

11-4-02

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
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other 10/03/02 (Shah)
10/08/02 (Gardner)
10/14/02 (Rodney)
 Execution Date: 10/16/02 (Skinner)

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: _____
 A. Patent Application No.(s) 10/237,470

 Additional numbers attached? Yes No

B. Patent No.(s) _____

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: John W. Wustenberg
 Internal Address: Halliburton Energy Services

 Street Address: 2600 South Second Street

 City: Duncan State: OK Zip: 73536-0440

6. Total number of applications 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:
08-0300

DO NOT USE THIS SPACE

9. Signature.
John W. Wustenberg
 Name of Person Signing

John W. Wustenberg
 Signature

29 OCT 01
 Date

Total number of pages including cover sheet, attachments, and documents: 4

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

11/14/2002 LUMELLER 00000215 080300 10237470

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PATENT REEL: 013477 FRAME: 0930

ASSIGNMENT

Whereas, We, Vimal V. Shah, of Fort Bend County, Sugar Land, Texas; Wallace R. Gardner, of Harris County, Houston, Texas; Paul F. Rodney, of Harris County, Spring, Texas and Neal G. Skinner of Denton County, Lewisville, Texas, have invented DOWNHOLE SENSING WITH FIBER IN EXTERIOA ANNULUS 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 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for 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 serial number 10/237,470 filed on September 9, 2002, 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 third day of October, 2002, at Houston, Harris County, Texas, U.S.A.

Vimal V. Shah
Vimal V. Shah

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 3 day of October, 2002.

Seal Carmen Garcia
(Notary)

My Commission Expires:



Executed this 8 day of October, 2002, at Houston, Harris County, Texas, U.S.A.

Wallace R. Gardner
Wallace R. Gardner

STATE OF TEXAS)
) ss
COUNTY OF HARRIS)

Before me personally appeared said Wallace R. Gardner and acknowledged the foregoing instrument to be his free act and deed this 8 day of October, 2002.

Seal C. Garcia
(Notary)

My Commission Expires:



