

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nitika Kalia</td> <td>07/30/2012</td> </tr> <tr> <td>Robert Freese</td> <td>08/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Nitika Kalia	07/30/2012	Robert Freese	08/03/2012				
Name	Execution Date										
Nitika Kalia	07/30/2012										
Robert Freese	08/03/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Halliburton Energy Services, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>10200 Bellaire Boulevard</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77072</td> </tr> </table>		Name:	Halliburton Energy Services, Inc.	Street Address:	10200 Bellaire Boulevard	City:	Houston	State/Country:	TEXAS	Postal Code:	77072
Name:	Halliburton Energy Services, Inc.										
Street Address:	10200 Bellaire Boulevard										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77072										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13566583</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13566583						
Property Type	Number										
Application Number:	13566583										
CORRESPONDENCE DATA											
<p>Fax Number: 5802513917 Phone: 580-251-3125 Email: dallen@mwe.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: ROBERT A. KENT Address Line 1: P.O. BOX 1431 Address Line 4: DUNCAN, OKLAHOMA 73536</p>											
ATTORNEY DOCKET NUMBER:	086108-0891										
NAME OF SUBMITTER:	Debbie Allen										
<p>Total Attachments: 3 source=0861080891Assign#page1.tif source=0861080891Assign#page2.tif source=0861080891Assign#page3.tif</p>											

CH \$40.00 13566583

PATENT

Atty Docket No. 2011-IP-047265U1P2
ASSIGNMENT

Whereas, We Nitika Kalia of 18218 East Morgans Bend Drive, Cypress, TX, 77433, and Robert Freese of 8115 NC Highway 902, Pittsboro, NC, 27312 have invented "METHODS FOR FLUID MONITORING IN A SUBTERRANEAN FORMATION USING ONE OR MORE INTEGRATED COMPUTATIONAL ELEMENTS " for which We 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, TX 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, 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 filed concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefore; said invention, application and any and all Letters Patent issuing there from to be held and enjoyed by Halliburton Energy Services, Inc., for its own use and benefit, 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 We 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.

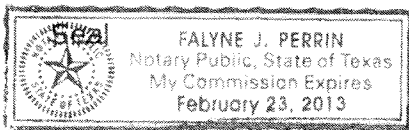
And We do further agree to communicate to Halliburton Energy Services, Inc., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 30th day of July, 2012

Nitika Kalia
Nitika Kalia

STATE OF Texas)
COUNTY OF Harris)

Before me personally appeared said Nitika Kalia and acknowledged the foregoing instrument to be his free act and deed this 30th day of July, 2012.



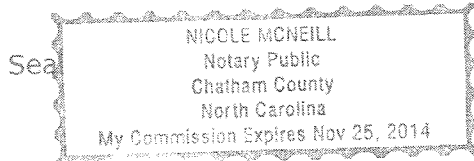
[Signature]
(Notary)


Executed this 3 day of August, 2012


Robert Freese

STATE OF North Carolina
COUNTY OF Chatham

Before me personally appeared said Robert Freese and acknowledged the foregoing instrument to be his free act and deed this 3rd day of August, 2012.




(Notary)