

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>Christopher M. JONES</td> <td>10/08/2010</td> </tr> <tr> <td>Michael T. PELLETIER</td> <td>10/08/2010</td> </tr> <tr> <td>Jing Cynthia SHEN</td> <td>10/08/2010</td> </tr> <tr> <td>Marian L. MORYS</td> <td>10/11/2010</td> </tr> </tbody> </table>		Name	Execution Date	Christopher M. JONES	10/08/2010	Michael T. PELLETIER	10/08/2010	Jing Cynthia SHEN	10/08/2010	Marian L. MORYS	10/11/2010
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Jing Cynthia SHEN	10/08/2010										
Marian L. MORYS	10/11/2010										
RECEIVING PARTY DATA											
Name:	Halliburton Energy Services, Inc.										
Street Address:	10200 Bellaire Boulevard										
Internal Address:	Intellectual Property Department										
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>13636294</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13636294						
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Application Number:	13636294										
CORRESPONDENCE DATA											
Fax Number:	8887129587										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	281-825-5235										
Email:	debi@KIPATENTS.US										
Correspondent Name:	KRUEGER ISELIN LLP (1391)										
Address Line 1:	P O BOX 1906										
Address Line 4:	CYPRESS, TEXAS 77410-1906										
NAME OF SUBMITTER:	Daniel KRUEGER										
Total Attachments: 5 source=HAL80901-ASG-E#page1.tif source=HAL80901-ASG-E#page2.tif source=HAL80901-ASG-E#page3.tif source=HAL80901-ASG-E#page4.tif source=HAL80901-ASG-E#page5.tif											

OP \$40.00 13636294

ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventors, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **CHRISTOPHER M. JONES, MICHAEL T. PELLETIER, JING (CYNTHIA) SHEN, and MARIAN L. MORYS,** having made an invention in "**OILFIELD SYSTEMS AND METHODS USING SPECTROSCOPIC NANOSENSORS**" while in the employ of **HALLIBURTON ENERGY SERVICES, INC.**, a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (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 **OILFIELD SYSTEMS AND METHODS USING SPECTROSCOPIC NANOSENSORS**;

2. The U.S. Provisional Patent Application on said invention, filed concurrently herewith or as U.S. Patent Application No. 61/350,365, filed June 1, 2010 (Attorney's Docket No. 1391-809.00), entitled **OILFIELD SYSTEMS AND METHODS USING SPECTROSCOPIC NANOSENSORS**;

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;

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

I (or We) covenant that I (or We), my (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.

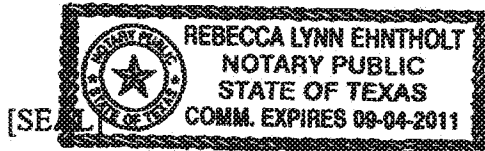
EXECUTED at HALLS County, TEXAS, on the 8 day of OCTOBER, 2010.


CHRISTOPHER M. JONES

STATE OF TEXAS §
COUNTY OF HALLS §

BEFORE ME, the undersigned authority, on this day personally appeared CHRISTOPHER M. JONES, 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 8 day of OCTOBER, 2010.




Notary Public

My Commission Expires: 09/04/2011

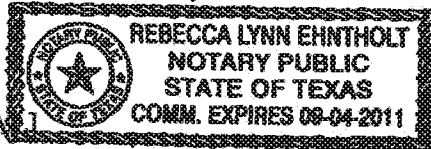
EXECUTED at HALLS County, TEXAS, on the 8th day of OCTOBER, 2010.



MICHAEL T. PELLETIER

STATE OF TEXAS §
COUNTY OF HALLS §

BEFORE ME, the undersigned authority, on this day personally appeared MICHAEL T. PELLETIER, 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 OCTOBER, 2010.




Notary Public

My Commission Expires: 09/04/2011

EXECUTED at HALLS County, TEXAS, on the 8th day of October, 2010.

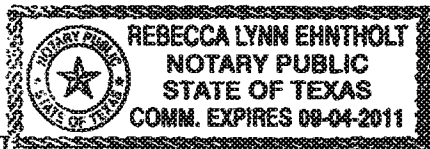

JING (CYNTHIA) SHEN

STATE OF TEXAS §
COUNTY OF HALLS §

BEFORE ME, the undersigned authority, on this day personally appeared JING (CYNTHIA) SHEN, 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 October, 2010.

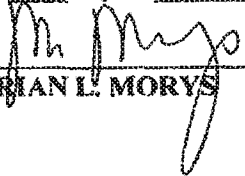

Notary Public



[SEAL]

My Commission Expires: 09/04/2011

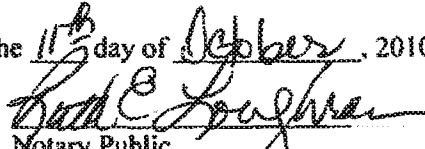
EXECUTED at Chester County, Pennsylvania on the 11th day of October, 2010.


MARIAN L. MORYS

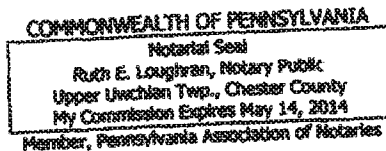
STATE OF Pennsylvania §
COUNTY OF Chester §

BEFORE ME, the undersigned authority, on this day personally appeared MARIAN L. MORYS, 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 11th day of October, 2010.


Notary Public

[SEAL]



My Commission Expires: 5/14/14