

PATENT ASSIGNMENT

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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>Robert P. Freese</td> <td>05/15/2012</td> </tr> <tr> <td>Christopher Michael Jones</td> <td>05/16/2012</td> </tr> <tr> <td>David Perkins</td> <td>05/16/2012</td> </tr> <tr> <td>Michael Simcock</td> <td>05/23/2012</td> </tr> <tr> <td>William Soltmann</td> <td>05/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Robert P. Freese	05/15/2012	Christopher Michael Jones	05/16/2012	David Perkins	05/16/2012	Michael Simcock	05/23/2012	William Soltmann	05/30/2012
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William Soltmann	05/30/2012												
RECEIVING PARTY DATA													
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>13456255</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13456255								
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Application Number:	13456255												
CORRESPONDENCE DATA													
Fax Number:	(580)251-3917												
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>													
Correspondent Name:	ROBERT A. KENT												
Address Line 1:	P.O. BOX 1431												
Address Line 4:	DUNCAN, OKLAHOMA 73536												
ATTORNEY DOCKET NUMBER:	086108-0585												
NAME OF SUBMITTER:	Debbie Allen												

CH \$40.00 13456255

Total Attachments: 6

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ASSIGNMENT

Whereas, We Robert Freese of 8115 NC Highway 902, Pittsboro, NC, 27312; Christopher Michael Jones of 3219 Cobblestone Creek Way, Houston, TX, 77084; David Perkins of 27 Bark Bend Place, The Woodlands, TX, 77385; Michael Simcock of 230 South King St., Columbia, SC 29205; and, William Soltmann of 26 Robin Run Drive, The Woodlands, TX 77381 have invented "Devices Having One or More Integrated Computational Elements and Methods for Determining a Characteristic of a Sample by Computationally Combining Signals Produced Therewith" 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, 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, 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 U.S. Patent Application No. 13/456,255, 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 15 day of May, 2012

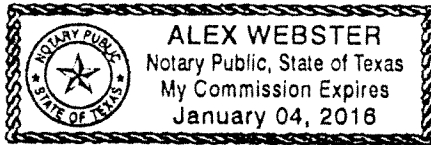


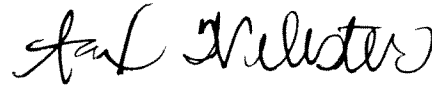
Robert P. Freese

STATE OF Texas)
)
COUNTY OF Harris)

Before me personally appeared said Robert P. Freese and acknowledged the foregoing instrument to be a free act and deed this 15th day of May, 2012.

Seal





(Notary)

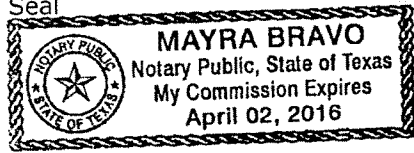
Executed this 16 day of May, 2012

Christopher Michael Jones
Christopher Michael Jones

STATE OF Texas)
COUNTY OF Harris)

Before me personally appeared said Christopher Michael Jones and acknowledged the foregoing instrument to be a free act and deed this 16th day of May, 2012.

Seal



Mayra Bravo
(Notary)

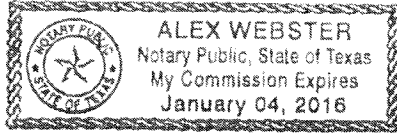
Executed this 16 day of May, 2012

David Perkins
David Perkins

STATE OF Texas)
COUNTY OF Harris)

Before me personally appeared said David Perkins and acknowledged the foregoing instrument to be a free act and deed this 16th day of May, 2012.

Seal



Alex Webster
(Notary)

Executed this 23 day of May, 2012

Michael Simcock
Michael Simcock

STATE OF) sc
)
COUNTY OF) Richland

Before me personally appeared said Michael Simcock and acknowledged the foregoing instrument to be a free act and deed this 23 day of May, 2012.

Seal

Stephanie D. Beverly
(Notary)

My Commission Expires December 6, 2018

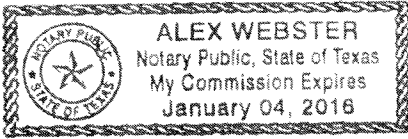
with reference to IP Patent submission

Executed this 30 day of May, 2012

[Signature]
William Soltmann

STATE OF Texas)
))
COUNTY OF Harris)

Before me personally appeared said William Soltmann and acknowledged the foregoing instrument to be a free act and deed this 30th day of May, 2012.

Seal 

[Signature]
(Notary)