

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>John LUSCOMBE</td><td>04/20/2011</td></tr><tr><td>Etienne M. SAMSON</td><td>05/06/2011</td></tr><tr><td>John L. MAIDA</td><td>05/06/2011</td></tr></tbody></table>	Name	Execution Date	John LUSCOMBE	04/20/2011	Etienne M. SAMSON	05/06/2011	John L. MAIDA	05/06/2011					
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John L. MAIDA	05/06/2011												
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>Internal Address:</td><td>Intellectual Property Department</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	Internal Address:	Intellectual Property Department	City:	Houston	State/Country:	TEXAS	Postal Code:	77072	
Name:	Halliburton Energy Services, Inc.												
Street Address:	10200 Bellaire Boulevard												
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City:	Houston												
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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>13082522</td></tr></tbody></table>	Property Type	Number	Application Number:	13082522									
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Application Number:	13082522												
CORRESPONDENCE DATA													
Fax Number: (888)712-9587 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 281-825-5235													
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Correspondent Name: KRUEGER ISELIN LLP (1391)													
Address Line 1: P O BOX 1906													
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ATTORNEY DOCKET NUMBER:	1399-005.00												
NAME OF SUBMITTER:	Daniel J. Krueger												
Total Attachments: 4 source=1399-00500-ASG-E#page1.tif source=1399-00500-ASG-E#page2.tif source=1399-00500-ASG-E#page3.tif source=1399-00500-ASG-E#page4.tif													

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PATENT
REEL: 026326 FRAME: 0758

ASSIGNMENT

Whereas, I/We, John Luscombe of Oxford, United Kingdom, Etienne M. Samson, and John L. Maida of Houston Texas have invented "OPTICAL FIBER BASED DOWNHOLE, SEISMIC SENSOR SYSTEMS AND METHODS" 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 13/082,522 filed on April 8, 2011 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 20 day of April, 2011

John Luscombe

John Luscombe

STATE OF TX)
) ss
COUNTY OF Harris)

Before me personally appeared said John Luscombe and acknowledged the foregoing instrument to be his free act and deed this 20th day of April, 2011.

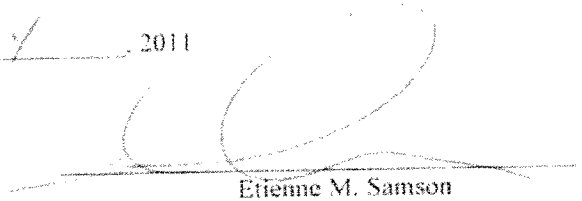
Seal

Ahsan Aziz

(Notary)



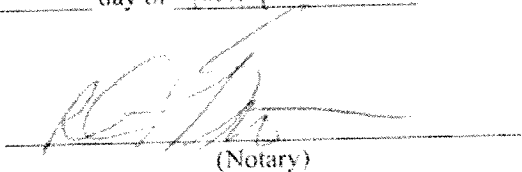
Executed this 6 day of MAY, 2011


Etienne M. Samson

STATE OF TEXAS)
COUNTY OF HARRIS) ss


Before me personally appeared said Etienne M. Samson and acknowledged the foregoing instrument to be his free act and deed this 6th day of MAY, 2011.

Seal


(Notary)



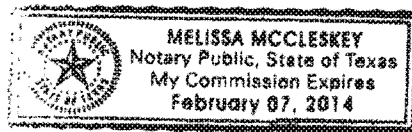
Executed this 6TH day of May, 2011

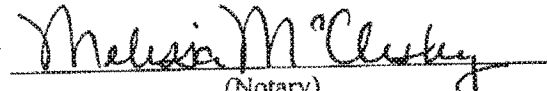

John L. Maida

STATE OF Texas)
) ss
COUNTY OF Harris)

Before me personally appeared said John L. Maida and acknowledged the foregoing instrument to be his free act and deed this 6th day of May, 2011.

Seal




(Notary)