

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>Michel J. LeBLANC</td> <td>10/10/2012</td> </tr> <tr> <td>Burkay DONDERICI</td> <td>10/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michel J. LeBLANC	10/10/2012	Burkay DONDERICI	10/10/2012
Name	Execution Date						
Michel J. LeBLANC	10/10/2012						
Burkay DONDERICI	10/10/2012						
RECEIVING PARTY DATA							
Name:	Halliburton Energy Services, Inc.						
Street Address:	2600 S. 2nd Street						
Internal Address:	Attn: John Wustenberg, IP Law Dept						
City:	Duncan						
State/Country:	TEXAS						
Postal Code:	73506-0440						
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>13648897</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13648897		
Property Type	Number						
Application Number:	13648897						
CORRESPONDENCE DATA							
Fax Number:	8887129587						
<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						
Address Line 4:	CYPRESS, TEXAS 77410-1906						
ATTORNEY DOCKET NUMBER:	1399-018.00						
NAME OF SUBMITTER:	Daniel J. Krueger						
This document serves as an Oath/Declaration (37 CFR 1.63).							
<p>Total Attachments: 3 source=1399-01800-ASG-E#page1.tif source=1399-01800-ASG-E#page2.tif source=1399-01800-ASG-E#page3.tif</p>							

OP \$40.00 13648897

ASSIGNMENT

Whereas, we, MICHEL J. LeBLANC, of Houston, Texas, and BURKAY DONDERICI, of Houston, Texas, have invented "FIBEROPTIC SYSTEMS AND METHODS DETECTING EM SIGNALS VIA RESISTIVE HEATING" 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 the Patent Application serial number 13/648,897 filed on 10/10/2012 (attorney is authorized to enter the serial number and filing date) 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.

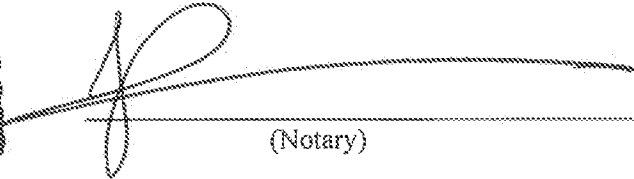
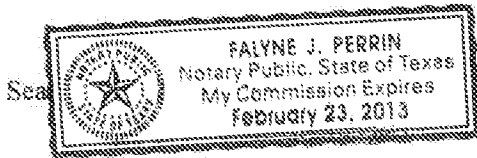
Executed this 10th day of October, 2012.



MICHEL J. LeBLANC

STATE OF Texas)
) ss
COUNTY OF Harris)

Before me personally appeared said MICHEL J. LeBLANC, and acknowledged the foregoing instrument to be his free act and deed this 10th day of October, 2012.



(Notary)

