

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Kris RAVI</td> <td>01/10/2013</td> </tr> <tr> <td>Etienne SAMSON</td> <td>12/04/2012</td> </tr> <tr> <td>John L. MAIDA</td> <td>12/04/2012</td> </tr> <tr> <td>William John Hunter</td> <td>01/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kris RAVI	01/10/2013	Etienne SAMSON	12/04/2012	John L. MAIDA	12/04/2012	William John Hunter	01/09/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Halliburton Energy Services, Inc. ("HESI")</td> </tr> <tr> <td>Street Address:</td> <td>2600 S 2nd Street</td> </tr> <tr> <td>Internal Address:</td> <td>Attn: John Wustenberg, IP Law Dept</td> </tr> <tr> <td>City:</td> <td>Duncan</td> </tr> <tr> <td>State/Country:</td> <td>OKLAHOMA</td> </tr> <tr> <td>Postal Code:</td> <td>73536</td> </tr> </table>		Name:	Halliburton Energy Services, Inc. ("HESI")	Street Address:	2600 S 2nd Street	Internal Address:	Attn: John Wustenberg, IP Law Dept	City:	Duncan	State/Country:	OKLAHOMA	Postal Code:	73536
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CORRESPONDENCE DATA													
<p>Fax Number: 8887129587  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 281-825-5235        Email: kirsten@kipatents.com        Correspondent Name: KRUEGER ISELIN LLP (1391)        Address Line 1: P O BOX 1906        Address Line 4: CYPRESS, TEXAS 77410-1906</p>													
ATTORNEY DOCKET NUMBER:	1399-021.00												
NAME OF SUBMITTER:	Daniel J. Krueger												
Total Attachments: 5													

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## ASSIGNMENT

Whereas, I/We, Kris RAVI, of Kingwood, Texas, Etienne SAMSON, of Houston, Texas, John L. MAIDA of Houston, Texas, and William John HUNTER of The Woodlands, Texas, have invented "DOWNHOLE FLUID TRACKING WITH DISTRIBUTED ACOUSTIC SENSING" for which I/We have made application for Letters Patent of the United States; and


Whereas, HALLIBURTON ENERGY SERVICES, INC. ("HESI"), 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. ("HESI"), 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 \_\_\_\_\_ filed on \_\_\_\_\_ (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. ("HESI"), 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. ("HESI"), 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.

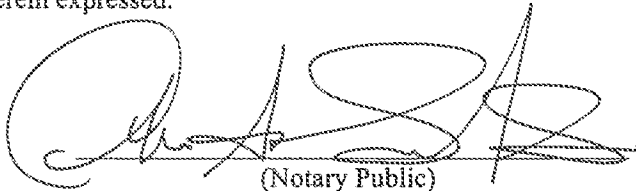
Executed this 10<sup>th</sup> day of January, 2012<sup>3</sup>

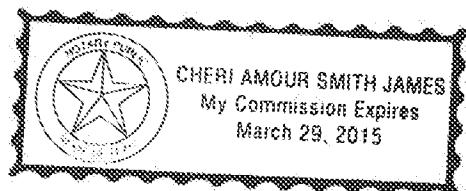
  
Kris RAVI

STATE OF Texas )  
 ) ss  
COUNTY OF Harris )

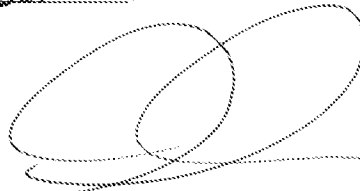
Before me, the undersigned authority, on this day 10<sup>th</sup> day of January, 2012, personally appeared **Kris RAVI**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

  
(Notary Public)



Executed this 4<sup>th</sup> day of December, 2012.

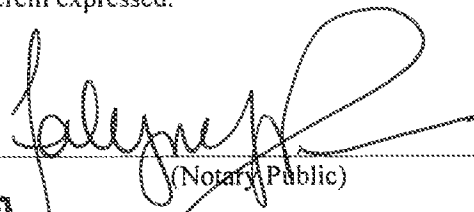
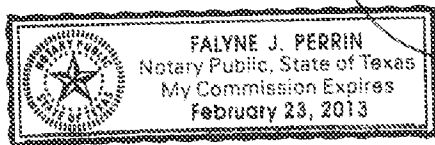


Etienne SAMSON

STATE OF Texas )  
 ) ss  
COUNTY OF Harris )

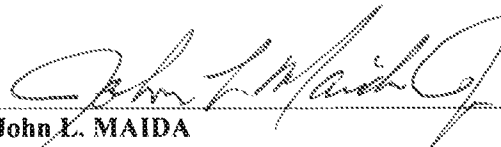
Before me, the undersigned authority, on this day 4<sup>th</sup> day of December, 2012, personally appeared **Etienne SAMSON**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]



(Notary Public)

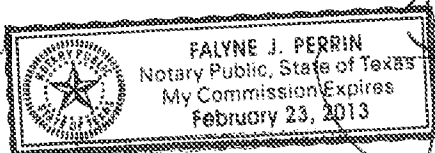
Executed this 4<sup>th</sup> day of December, 2012.

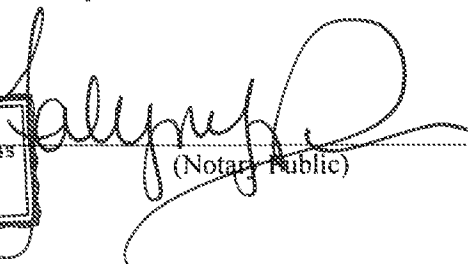
  
John L. MAIDA

STATE OF Texas )  
 ) ss  
COUNTY OF Harris )

Before me, the undersigned authority, on this day 4<sup>th</sup> day of December, 2012, personally appeared **John L. MAIDA**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]



  
(Notary Public)

