

## 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>Sung Hyun Kim</td> <td>03/13/2013</td> </tr> <tr> <td>Harvey Fitzpatrick</td> <td>04/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sung Hyun Kim	03/13/2013	Harvey Fitzpatrick	04/30/2013				
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Sung Hyun Kim	03/13/2013										
Harvey Fitzpatrick	04/30/2013										
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 Blvd.</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 Blvd.	City:	Houston	State/Country:	TEXAS	Postal Code:	77072
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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>13800957</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13800957						
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CORRESPONDENCE DATA											
<p>Fax Number: 8777697945  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (617) 542-5070        Email: apsi@fr.com        Correspondent Name: Fish &amp; Richardson P.C.        Address Line 1: P. O. Box 1022        Address Line 4: Minneapolis, MINNESOTA 55440-1022</p>											
ATTORNEY DOCKET NUMBER:	17908-0022001										
NAME OF SUBMITTER:	Joni McGuire										
Signature:	/Joni McGuire/										
Date:	05/01/2013										

Total Attachments: 5

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ASSIGNMENT

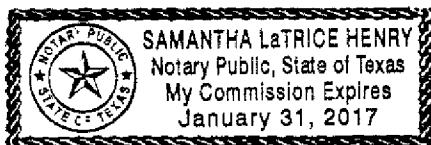
For valuable consideration, we, Sung Hyun Kim, of 8333 Braesmain Dr. #1207 Houston, TX 77025, Harvey Fitzpatrick, of 22118 Bay Spring Drive, Katy, Texas 77450-8623, hereby assign to HALLIBURTON ENERGY SERVICES, INC., a corporation of Delaware, having a place of business at 10200 Bellaire Blvd., Houston, Texas 77072, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ANALYZING SAND STABILIZATION TREATMENTS, filed March 13, 2013, and assigned U.S. Serial Number 13/800,957, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.


  
Harvey Fitzpatrick

DATE: April 30, 2013

STATE OF TEXAS       §  
                                  §  
COUNTY OF Harris   §

On the 30 day of April, 2013, before me, the undersigned notary public, personally appeared Harvey Fitzpatrick, known to me to be the person whose name is subscribed on the foregoing instrument.



  
\_\_\_\_\_  
Notary Public, State of Texas

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ASSIGNMENT

For valuable consideration, we, Sung Hyun Kim, of 8333 Braesmain Dr. #1207 Houston, TX 77025, Harvey Fitzpatrick, of 22118 Bay Spring Drive, Katy, Texas 77450-8623, hereby assign to HALLIBURTON ENERGY SERVICES, INC., a corporation of Delaware, having a place of business at 10200 Bellaire Blvd., Houston, Texas 77072, and its successors and assigns (collectively hereinafter called “the Assignee”), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ANALYZING SAND STABILIZATION TREATMENTS, filed March 13, 2013, and assigned U.S. Serial Number 13/800,957, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors’ certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

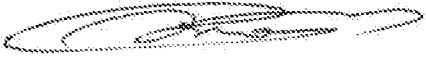
\_\_\_\_\_  
Harvey Fitzpatrick

DATE: \_\_\_\_\_

STATE OF TEXAS           §  
                                     §  
COUNTY OF \_\_\_\_\_ §

On the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, the undersigned notary public, personally appeared Harvey Fitzpatrick, known to me to be the person whose name is subscribed on the foregoing instrument.

\_\_\_\_\_  
Notary Public, State of Texas

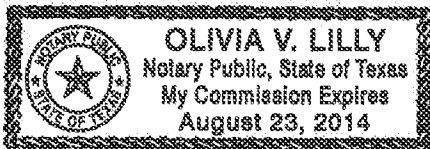


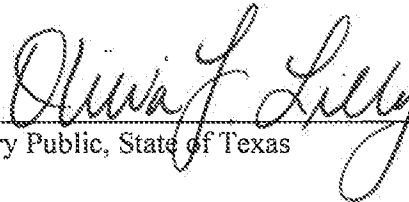
Sung Hyun Kim

DATE: March 13, 2013

STATE OF TEXAS       §  
                                  §  
COUNTY OF Harris   §

On the 13 day of March, 2013, before me, the undersigned notary public, personally appeared Sung Hyun Kim, known to me to be the person whose name is subscribed on the foregoing instrument.



  
\_\_\_\_\_  
Notary Public, State of Texas

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