

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>Jason D. Dykstra</td><td>07/11/2011</td></tr><tr><td>Michael Linley Fripp</td><td>07/08/2011</td></tr></tbody></table>	Name	Execution Date	Jason D. Dykstra	07/11/2011	Michael Linley Fripp	07/08/2011	
Name	Execution Date						
Jason D. Dykstra	07/11/2011						
Michael Linley Fripp	07/08/2011						
RECEIVING PARTY DATA							
Name:	Halliburton Energy Services, Inc.						
Street Address:	10200 Bellaire Blvd.						
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>13161636</td></tr></tbody></table>	Property Type	Number	Application Number:	13161636			
Property Type	Number						
Application Number:	13161636						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	214-747-5070						
Email:	vertz@fr.com						
Correspondent Name:	Fish & Richardson						
Address Line 1:	P.O. Box 1022						
Address Line 4:	Minneapolis, MINNESOTA 55440-1022						
ATTORNEY DOCKET NUMBER:	17604-0035001						
NAME OF SUBMITTER:	Matthew K. Wernli						
Total Attachments: 5 source=17604-0035001_Assignment#page1.tif source=17604-0035001_Assignment#page2.tif source=17604-0035001_Assignment#page3.tif source=17604-0035001_Assignment#page4.tif source=17604-0035001_Assignment#page5.tif							

CH \$40.00 13161636

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PATENT
REEL: 026582 FRAME: 0329

ASSIGNMENT

For valuable consideration, we, Jason D. Dykstra, of 3405 Hillpark Ln., Carrollton, TX 75007; and Michael Linley Fripp, of 3826 Cemetery Hill Rd., Carrollton, TX 75007; 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 MANAGING TREATMENT OF SUBTERRANEAN ZONES, filed June 16, 2011, and assigned U.S. Serial Number 13/161,636, 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 granted 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.

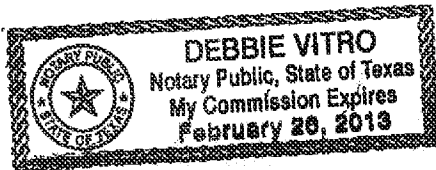
DATE: 7/11/11

Jason D. Dykstra
JASON D. DYKSTRA

STATE OF TEXAS)
COUNTY OF DALLAS) SS.

On July 11, 2011, before me, the undersigned, a notary public for the State of Texas, there personally appeared JASON D. DYKSTRA personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



Debbie Vitro
Notary Public

ASSIGNMENT

For valuable consideration, we, Jason D. Dykstra, of 3405 Hillpark Ln., Carrollton, TX 75007; and Michael Linley Fripp, of 3826 Cemetery Hill Rd., Carrollton, TX 75007; 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 MANAGING TREATMENT OF SUBTERRANEAN ZONES, filed June 16, 2011, and assigned U.S. Serial Number 13/161,636, 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 granted 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.

DATE: _____

JASON D. DYKSTRA

STATE OF _____)

) SS.


COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of Texas, there personally appeared JASON D. DYKSTRA personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

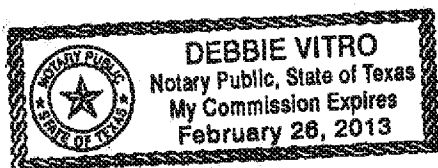
DATE: 8 July 2011



MICHAEL LINLEY FRIPP

STATE OF Texas)
COUNTY OF Dallas) SS.

On _____, before me, the undersigned, a notary public for the State of Texas, there personally appeared MICHAEL LINLEY FRIPP personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.




Notary Public

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