

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ronald J. DIRKSEN	08/01/2012
RECEIVING PARTY DATA	
Name:	Halliburton Energy Services, Inc.
Street Address:	10200 Bellaire Boulevard
Internal Address:	Intellectual Property Department
City:	Houston
State/Country:	TEXAS
Postal Code:	77072
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13564036
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	KRUEGER ISELIN LLP (1391)
Address Line 1:	P O BOX 1906
Address Line 4:	CYPRESS, TEXAS 77410-1906
ATTORNEY DOCKET NUMBER:	1391-846.02
NAME OF SUBMITTER:	Dan Krueger
Total Attachments: 2 source=HAL84602-ASG-Dirksen-E#page1.tif source=HAL84602-ASG-Dirksen-E#page2.tif	

OP \$40.00 13564036

ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **RONALD J. DIRKSEN**, having made an invention in **"SYSTEMS AND METHODS FOR PULSED-FLOW PULSED-ELECTRIC DRILLING"**, while in the employ of **HALLIBURTON ENERGY SERVICES, INC.**, a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (sometimes hereinafter called **"ASSIGNEE"**), do hereby **ASSIGN, SELL and CONVEY** to said **ASSIGNEE**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **"SYSTEMS AND METHODS FOR PULSED-FLOW PULSED-ELECTRIC DRILLING"**;

2. The U.S. Patent Application on said invention, filed concurrently herewith or as Patent Application No. 13/564,036 filed August 1, 2012, (Attorney's File No. 1391-846.02; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled **"SYSTEMS AND METHODS FOR PULSED-FLOW PULSED-ELECTRIC DRILLING"**;

3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;

5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

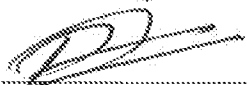
6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to **ASSIGNEE** to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and

I (or We) covenant that I (or We), my (our) heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

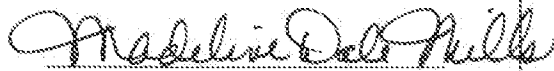
EXECUTED at Harris County, Tx, on the 1st day of August, 2012.


RONALD J. DIRKSEN

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared RONALD J. DIRKSEN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER my hand and seal of office, this the 1st day of August, 2012.


Notary Public

[SEAL]

My Commission Expires: Apr. 3, 2014

