

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>Kennedy J. Kirkhope</td> <td>12/06/2012</td> </tr> <tr> <td>Alben D'Silva</td> <td>12/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kennedy J. Kirkhope	12/06/2012	Alben D'Silva	12/06/2012
Name	Execution Date						
Kennedy J. Kirkhope	12/06/2012						
Alben D'Silva	12/06/2012						
RECEIVING PARTY DATA							
Name:	Halliburton Energy Services Inc.						
Street Address:	10200 Bellaire Boulevard						
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>13826741</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13826741		
Property Type	Number						
Application Number:	13826741						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	201716-21USPT						
NAME OF SUBMITTER:	Mark J. Levine						
<p>Total Attachments: 3 source=201716_21USPT_-_Assignment#page1.tif source=201716_21USPT_-_Assignment#page2.tif source=201716_21USPT_-_Assignment#page3.tif</p>							

CH \$40.00 13826741

ASSIGNMENT

WHEREAS, we, **KENNEDY J. KIRKHOPE** and **ALBEN D'SILVA**, have invented certain new and useful improvements in the following:

**ROTATIONAL LOCKING MECHANISMS FOR DRILLING MOTORS AND
POWERTRAINS**

for which we have made application for United States Letters Patent, the said application having been filed on May 25, 2012, as Application No. 61/651,710;

WHEREAS, Halliburton Energy Services Inc., a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all provisionals, divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all reissue applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Executed this 6 day of DECEMBER, 2012.


Name: Kennedy J. Kirkhope

Executed this 6 day of DECEMBER, 2012.



Name: Alben D'Silva