

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>Chung CHANG</td> <td>05/16/2012</td> </tr> <tr> <td>Arthur CHENG</td> <td>05/16/2012</td> </tr> <tr> <td>Gary KAINER</td> <td>05/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chung CHANG	05/16/2012	Arthur CHENG	05/16/2012	Gary KAINER	05/16/2012				
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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 Boulevard</td> </tr> <tr> <td>Internal Address:</td> <td>Intellectual Property Department</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 Boulevard	Internal Address:	Intellectual Property Department	City:	Houston	State/Country:	TEXAS	Postal Code:	77072
Name:	Halliburton Energy Services, Inc.												
Street Address:	10200 Bellaire Boulevard												
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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>PCT Number:</td> <td>US1238268</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1238268								
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PCT Number:	US1238268												
CORRESPONDENCE DATA													
<p>Fax Number: (888)712-9587 Phone: 281-825-5235 Email: debi@KIPATENTS.US</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: KRUEGER ISELIN LLP (1391) Address Line 1: P O BOX 1906 Address Line 4: CYPRESS, TEXAS 77410-1906</p>													
ATTORNEY DOCKET NUMBER:	1391-854.01												
NAME OF SUBMITTER:	Dan Krueger												
Total Attachments: 4 source=HAL85401-ASGN-E#page1.tif source=HAL85401-ASGN-E#page2.tif source=HAL85401-ASGN-E#page3.tif source=HAL85401-ASGN-E#page4.tif													

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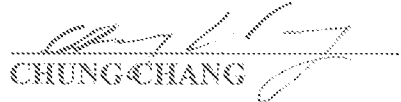
ASSIGNMENT

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, **CHUNG CHANG, ARTHUR CHENG, and GARY KAINER**, having made an invention in **"VARIABLE STIFFNESS DOWNHOLE TOOL HOUSING"**, 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 **"VARIABLE STIFFNESS DOWNHOLE TOOL HOUSING"**;
2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US12/38268 filed May 17, 2012, (Attorney's File No. 1391-854.01; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled **"VARIABLE STIFFNESS DOWNHOLE TOOL HOUSING"**;
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.

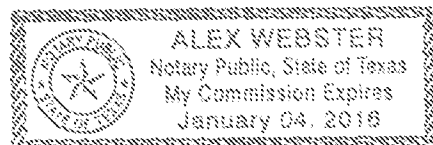
EXECUTED at Harris County, TX, on the 16th day of May, 2012.

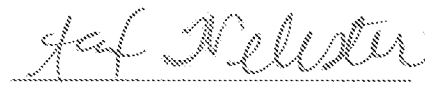

CHUNG CHANG

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared CHUNG CHANG, 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 16th day of May, 2012.




Notary Public

My Commission Expires: 1/4/2016

EXECUTED at Harris County, TX, on the 16th day of May, 2012.

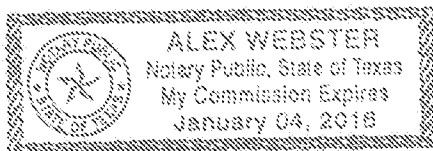
Arthur Cheng
ARTHUR CHENG

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared ARTHUR CHENG, 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 16th day of May, 2012.

Alex Webster
Notary Public



[SEAL]

My Commission Expires: 1/4/2016

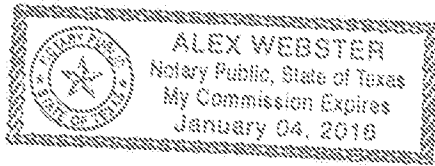
EXECUTED at Harris County, TX, on the 16th day of May, 2012.

GARY KAINER
GARY KAINER

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared GARY KAINER, 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 16th day of May, 2012.



Alex Webster
Notary Public

[SEAL]

My Commission Expires: 1/4/2016