

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Michael S. BITTAR	05/21/2011
Jing LI	05/20/2011
Shanjun LI	05/20/2011
Michael D. FINKE	05/20/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Halliburton Energy Services, Inc.
<b>Street Address:</b>	10200 Bellaire Boulevard
<b>Internal Address:</b>	Intellectual Property Department
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77072
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13116069
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 4:</b>	CYPRESS, TEXAS 77410-1906
<b>ATTORNEY DOCKET NUMBER:</b>	1391-812.03
<b>NAME OF SUBMITTER:</b>	Daniel J. Krueger
Total Attachments: 5	

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**PATENT  
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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, **MICHAEL S. BITTAR, JING LI, SHANJUN LI, and MICHAEL D. FINKE**, having made an invention in **"SYSTEM AND METHOD FOR EM RANGING IN OIL-BASED MUD"**, 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 **"SYSTEM AND METHOD FOR EM RANGING IN OIL-BASED MUD"**;

2. The U.S. Patent Application on said invention, filed concurrently herewith or as U.S. Patent Application No. 13/116069 filed May 26, 2011, (Attorney's File No. 1391-812.03, attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled **"SYSTEM AND METHOD FOR EM RANGING IN OIL-BASED MUD"**;

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 Al-Khobar (City), Saudi (Country), on the  
21st day of May, 2011.

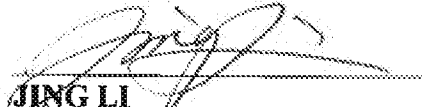
  
MICHAEL S. BITTAR

On this day personally appeared MICHAEL S. BITTAR, 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.

  
WITNESS

Jonny Basu  
PRINTED NAME

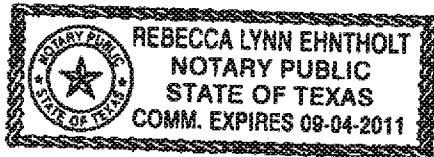
EXECUTED at HALLS County, TX, on the 02 day of MAY, 2011.

  
JING LI

STATE OF TEXAS §  
COUNTY OF HALLS §

BEFORE ME, the undersigned authority, on this day personally appeared JING LI, 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 02 day of MAY, 2011.



  
Notary Public

[SEAL]

My Commission Expires: 09/04/2011

EXECUTED at HARRIS County, TX, on the 20 day of MAY, 2011.

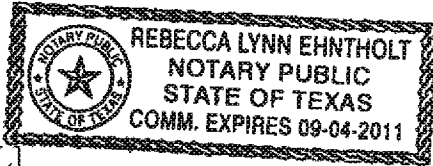
Shanjun Li  
SHANJUN LI

STATE OF TEXAS §  
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared SHANJUN LI, 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 20 day of MAY, 2011.

Rebecca Lynn Ehntholt  
Notary Public



[SEAL]

My Commission Expires: 09/04/2011

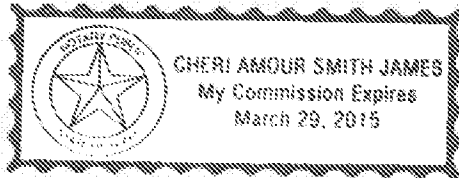
EXECUTED at HARRIS County, TEXAS, on the 20 day of MAY, 2011.


  
MICHAEL D. FINKE

STATE OF TEXAS §  
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared MICHAEL D. FINKE, 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 20 day of May, 2011.



  
Notary Public

[SEAL]

My Commission Expires: March 29, 2015