

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>Ramesh MUTHUSAMY</td> <td>11/24/2011</td> </tr> <tr> <td>Rahul Chandrakant PATIL</td> <td>11/24/2011</td> </tr> <tr> <td>Sohini BOSE</td> <td>11/24/2011</td> </tr> <tr> <td>Pranjal SARMAH</td> <td>11/24/2011</td> </tr> <tr> <td>B. Raghava REDDY</td> <td>11/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ramesh MUTHUSAMY	11/24/2011	Rahul Chandrakant PATIL	11/24/2011	Sohini BOSE	11/24/2011	Pranjal SARMAH	11/24/2011	B. Raghava REDDY	11/17/2011
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B. Raghava REDDY	11/17/2011												
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>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	City:	Houston	State/Country:	TEXAS	Postal Code:	77072		
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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>Application Number:</td> <td>13327158</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13327158								
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Application Number:	13327158												
CORRESPONDENCE DATA													
Fax Number:	(972)731-2289												
Phone:	(972)731-2288												
Email:	dallaspatents@dfw.conleyrose.com												
<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:	Rodney B. Carroll												
Address Line 1:	5601 Granite Parkway, Suite 750												
Address Line 4:	Plano, TEXAS 75024												
ATTORNEY DOCKET NUMBER:	HES 2011-IP-048519U1												
NAME OF SUBMITTER:	Rodney B. Carroll												

CH \$40.00 13327158

Total Attachments: 6

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ASSIGNMENT

Whereas, I/We Ramesh Muthusamy, Rahul Chandrakant Patil, Sohini Bose, and Pranjali Sarmah, all of Pune, India, and B. Raghava Reddy of Duncan, Oklahoma, have invented "WELLBORE SERVICING COMPOSITIONS AND METHODS OF MAKING AND USING SAME" for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on November 17, 2011, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 24th day of November, 2011

Ramesh Muthusamy

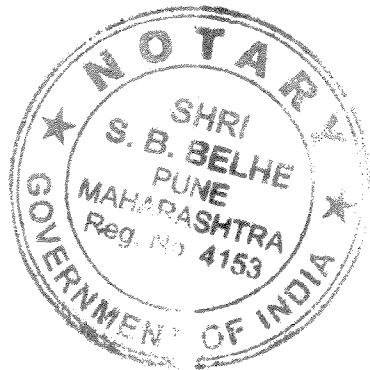
Ramesh Muthusamy

STATE OF Maharashtra)
COUNTY OF India) ss

Before me personally appeared said Ramesh Muthusamy and acknowledged the foregoing instrument to be his free act and deed this 24th day of November, 2011.

Seal

(Notary)



BEFORE ME

S. B. Belhe

S. B. BELHE
B.A. (Hons) LL.B.
ADVOCATE & NOTARY
GOVT OF INDIA PUNE

24 NOV 2011



Executed this 24th day of November, 2011



Rahul Chandrakant Patil

STATE OF Maharashtra
COUNTY OF India

Before me personally appeared said Rahul Chandrakant Patil and acknowledged the foregoing instrument to be his free act and deed this 24th day of November, 2011.

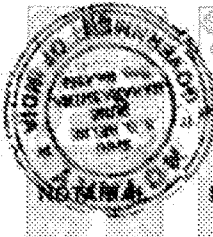
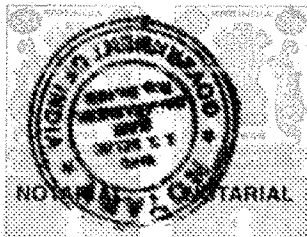
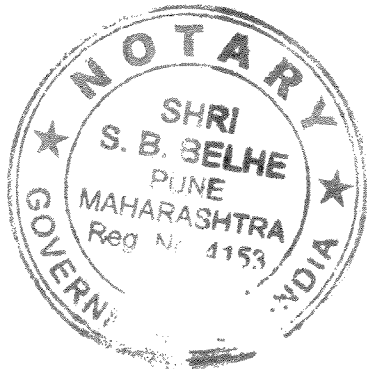
(Notary)

BEFORE ME



S. B. BELHE
B.A.(HONS)LL.B.
ADVOCATE & NOTARY
GOVT. OF INDIA PUNE

24 NOV 2011.



Executed this 24 day of November, 2011

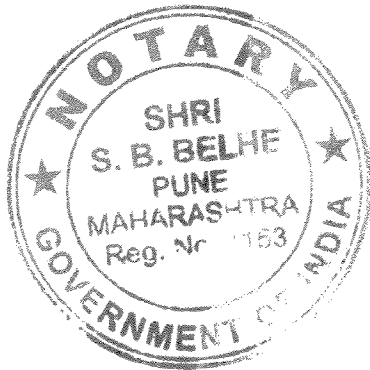
Sohini Bose

Sohini Bose

STATE OF Maharashtra
COUNTY OF India

Before me personally appeared said Sohini Bose and acknowledged the foregoing instrument to be his free act and deed this 24th day of November, 2011.

(Notary)

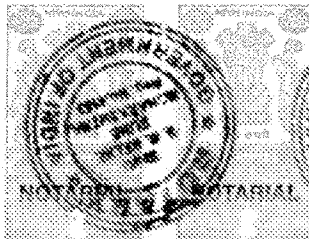
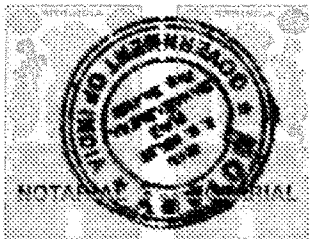


BEFORE ME

S. B. Belhe

**S. B. BELHE
B.A.(Hons) LL. B.
ADVOCATE & NOTARY
GOVT. OF INDIA PUNE**

24 NOV 2011



Executed this 24th day of November, 2011

Pranjal Sarmah

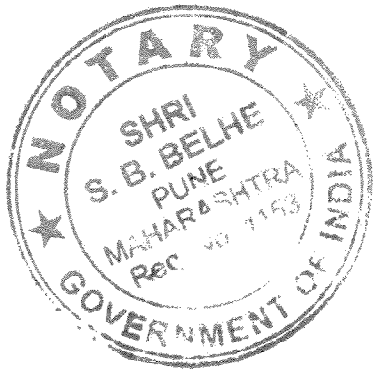
Pranjal Sarmah

STATE OF Maharashtra)
COUNTY OF India)

Before me personally appeared said Pranjal Sarmah and acknowledged the foregoing instrument to be his free act and deed this 24th day of November, 2011.

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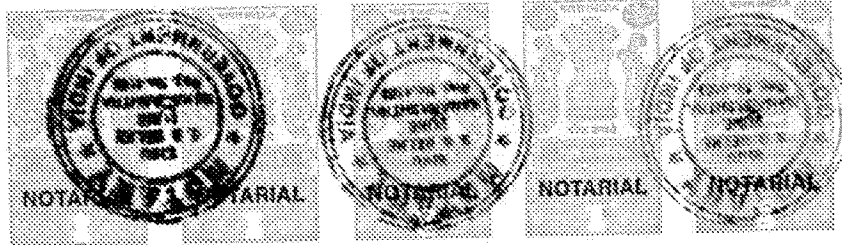
(Notary)



BEFORE ME

S. B. Belhe
S. B. BELHE
B.A.(Hons)LL.B.
ADVOCATE & NOTARY
GOVT. OF INDIA PUNE

24 NOV 2011



*Non-Judicial Stamp is not fix
Risk on Execution*

S. B. Belhe

Executed this 17 day of November, 2011

B. Raghava Reddy
B. Raghava Reddy

STATE OF OKLAHOMA)
) ss
COUNTY OF STEPHENS)

Before me personally appeared said B. Raghava Reddy and acknowledged the foregoing instrument to be his free act and deed this 17th day of November, 2011.

Seal



Tiffany Kyle
(Notary)