

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
M. Vikram Rao	07/16/2003
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	
Property Type	Number
Patent Number:	8047289
CORRESPONDENCE DATA	
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Email:	mweipdocket@mwe.com
Correspondent Name:	McDermott Will & Emery LLP
Address Line 1:	500 North Capitol Street, N.W.
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20001
ATTORNEY DOCKET NUMBER:	086108-0345
NAME OF SUBMITTER:	Debbie Allen
Signature:	/Debbie Allen/
Date:	04/12/2013
Total Attachments: 2 source=0861080345Assign#page1.tif source=0861080345Assign#page2.tif	

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PATENT

ASSIGNMENT

Whereas, I/We, **M. Vikram Rao** of Harris County, Houston, Texas, have invented "**Improved Particulates and Methods of Utilizing these Particulates in Subterranean Applications**" for which I have made application for Letters Patent of the United States; and

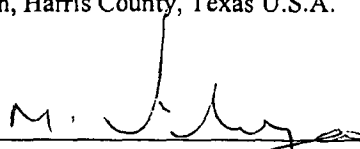
Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other 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 July 16, 2003, 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 16 day of July, 2003, at Houston, Harris County, Texas U.S.A.

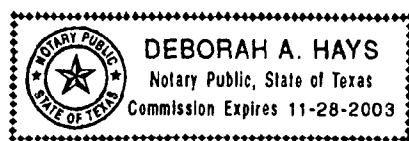


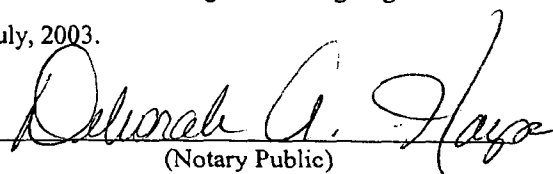
Signature

State of Texas)
) ss
County of Harris)

Before me personally appeared said **M. Vikram Rao** and acknowledged the foregoing instrument to be his free act and deed this 16th day of July, 2003.

Seal





(Notary Public)