

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5243882

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NAME OF THE RECEIVING PARTY FROM ROBERT A. KENT previously recorded on Reel 021660 Frame 0986. Assignor(s) hereby confirms the NAME OF THE RECEIVING PARTY IS HALLIBURTON ENERGY SERVICES, INC.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HONGYU LUO	09/22/2008
ASHOK SANTRA	09/22/2008
LEWIS R. NORMAN	09/24/2008
MARK PARKER	09/16/2008
RONALD J. POWELL	09/22/2008
RAJESH K. SAINI	09/22/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	3000 N. SAM HOUSTON PARKWAY E.
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77032-3219
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8012582
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)229-2880
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	713 229-1935
<b>Email:</b>	tami.day@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS L.L.P.
<b>Address Line 1:</b>	910 LOUISIANA STREET, ONE SHELL PLAZA
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002
<b>ATTORNEY DOCKET NUMBER:</b>	063718.8348
<b>NAME OF SUBMITTER:</b>	TAMI DAY
<b>SIGNATURE:</b>	/Tami Day/

<b>DATE SIGNED:</b>	11/19/2018
<b>Total Attachments: 5</b> source=assignment-pat-21660-986[1] .8348#page1.tif source=assignment-pat-21660-986[1] .8348#page2.tif source=assignment-pat-21660-986[1] .8348#page3.tif source=assignment-pat-21660-986[1] .8348#page4.tif source=assignment-pat-21660-986[1] .8348#page5.tif	

U.S. PTO  
12/284814  
09/25/2008

10-10-2008

Form PTO-1595 (Rev. 08/08)  
OMB No. 0651-0027 (exp. 9/30/2008)



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mark Office

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**PATENTS ONLY**

103529086

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Hongyu Luo (9/22/08) Ronald J. Powell (9/22/08)  
Ashok Santra (9/22/08) Rajesh K. Saini (9/22/08)  
Lewis R. Norman (9/24/08)  
Mark Parker (9/16/08)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**2. Name and address of receiving party(ies)**

Name: Robert A. Kent

Internal Address: Halliburton Energy Services, Inc.

Street Address: 10200 Bellaire Blvd.

City: Houston

State: TX

Country: USA Zip: 77072

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) See above

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Robert A. Kent

Internal Address: Halliburton Energy Services, Inc.

Street Address: 2600 S. 2nd Street

City: Duncan

State: OK Zip: 73536-0440

Phone Number: 580-251-3125

Fax Number: 580-251-3917

Email Address: Tammy.Knight@Halliburton.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

10/09/2008 DRYRNE 08000015 080300 12204814  
01 FC:0021 40.00 DA  
Deposit Account Number 080300  
Authorized User Name Halliburton

**9. Signature:**

Robert A. Kent  
Signature

9-24-2008  
Date

Robert A. Kent

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 027000 FRAME: 00986**

**ASSIGNMENT**

Whereas, I/We, **Hongyu Luo, Ashok Santra and Lewis R. Norman**, all of Stephens County, Duncan, Oklahoma, **Mark Parker** of Smith County, Lindale, Texas, **Ronald J. Powell** and **Rajesh K. Saini** both of Stephens County, Duncan, Oklahoma, have invented "**Sintered Proppant made with a Raw Material Containing Alkaline Earth Equivalent**" 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 September 16, 2008, 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 22 day of September, 2008, at Duncan, Stephens County, Oklahoma U.S.A.

Hongyu Luo  
Signature

State of Oklahoma     )  
                              ) ss  
County of Stephens    )

Before me personally appeared said **Hongyu Luo** and acknowledged the foregoing instrument to be his free act and deed this 22<sup>nd</sup> day of September, 2008.

Seal



Tammy Knight  
(Notary Public)

Executed this 22 day of September, 2008, at Duncan, Stephens County, Oklahoma U.S.A.

Ashok Santra  
Signature

State of Oklahoma     )  
                              ) ss  
County of Stephens    )

Before me personally appeared said **Ashok Santra** and acknowledged the foregoing instrument to be his free act and deed this 22<sup>nd</sup> day of September, 2008.

Seal



Tammy Knight  
(Notary Public)

Executed this 24<sup>th</sup> day of September, 2008, at Duncan, Stephens County, Oklahoma U.S.A.

Lewis R. Norman  
Signature

State of Oklahoma       )  
                                  ) ss  
County of Stephens     )

Before me personally appeared said **Lewis R. Norman** and acknowledged the foregoing instrument to be his free act and deed this 24<sup>th</sup> day of September, 2008.

Seal



Tammy Knight  
(Notary Public)

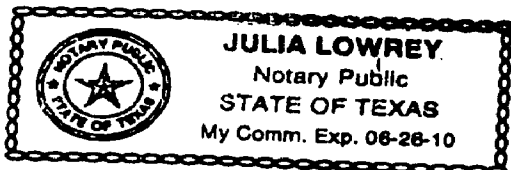
Executed this 16<sup>th</sup> day of September, 2008, at Tyler, Smith County, Texas U.S.A.

Mark A. Parker  
Signature

State of Texas       )  
                                  ) ss  
County of Smith     )

Before me personally appeared said **Mark Parker** and acknowledged the foregoing instrument to be his free act and deed this 16<sup>th</sup> day of September, 2008.

Seal



Julia Lowrey  
(Notary Public)

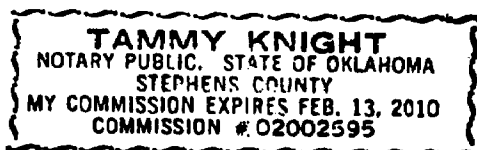
Executed this 22nd day of September, 2008, at Duncan, Stephens County, Oklahoma U.S.A.

Ronald J. Powell  
Signature

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said **Ronald J. Powell** and acknowledged the foregoing instrument to be his free act and deed this 22nd day of September, 2008.

Seal



Tammy Knight  
(Notary Public)

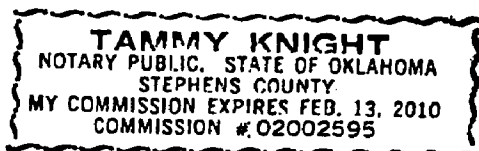
Executed this 22 day of September, 2008, at Duncan, Stephens County, Oklahoma U.S.A.

Rajesh K. Saini  
Signature

State of Oklahoma     )  
                                  ) ss  
County of Stephens    )

Before me personally appeared said **Rajesh K. Saini** and acknowledged the foregoing instrument to be his free act and deed this 22nd day of September, 2008.

Seal



Tammy Knight  
(Notary Public)