

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5451863

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RONNIE G. MORGAN	10/29/2012
D. CHAD BRENNIES	10/30/2012
CRAIG W. RODDY	10/29/2012
<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>
<b>Application Number:</b>	16371693
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	2819624503
<b>Email:</b>	dmasters@ctumeylawgroup.com
<b>Correspondent Name:</b>	C. TUMEY LAW
<b>Address Line 1:</b>	P.O BOX 890226
<b>Address Line 4:</b>	HOUSTON, TEXAS 77062-9998
<b>ATTORNEY DOCKET NUMBER:</b>	1560-004518
<b>NAME OF SUBMITTER:</b>	DANIEL MASTERS
<b>SIGNATURE:</b>	/dlm/
<b>DATE SIGNED:</b>	04/01/2019
<b>Total Attachments: 4</b>	
source=2012-IP-063076U1C1D1-US_Assignment-as-filed#page1.tif	
source=2012-IP-063076U1C1D1-US_Assignment-as-filed#page2.tif	
source=2012-IP-063076U1C1D1-US_Assignment-as-filed#page3.tif	
source=2012-IP-063076U1C1D1-US_Assignment-as-filed#page4.tif	

**ASSIGNMENT**

Whereas, I/We Ronnie G. Morgan of Waurika, Oklahoma, D. Chad Brenneis of Marlow, Oklahoma, and Craig W. Roddy of Duncan, Oklahoma, have invented "METHODS FOR DETERMINING REACTIVE INDEX FOR CEMENTITIOUS COMPONENTS, ASSOCIATED COMPOSITIONS, AND METHODS OF USE" for which I/We 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 serial number 13/662,155 filed on October 26, 2012 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 29<sup>th</sup> day of October, 2012

Ronnie G. Morgan  
Ronnie G. Morgan

STATE OF OKLAHOMA     )  
  ) ss  
COUNTY OF STEPHENS     )

Before me personally appeared said Ronnie G. Morgan and acknowledged the foregoing instrument to be his free act and deed this 29 day of October, 2012.

Seal



Tiffany Kyle  
(Notary)

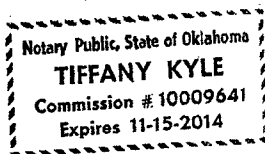
Executed this 30 day of October, 2012

D. Chad Brennie  
D. Chad Brennie

STATE OF OKLAHOMA     )  
  ) ss  
COUNTY OF STEPHENS     )

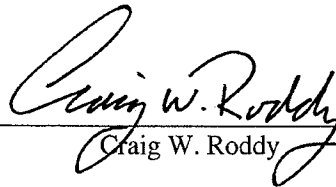
Before me personally appeared said D. Chad Brennie and acknowledged the foregoing instrument to be his free act and deed this 30 day of October, 2012.

Seal



Tiffany Kyle  
(Notary)

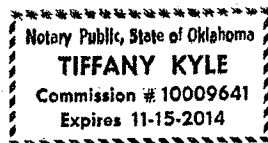
Executed this 29<sup>th</sup> day of October, 2012

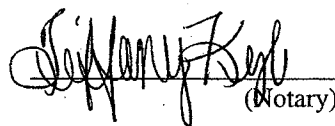
  
\_\_\_\_\_  
Craig W. Roddy

STATE OF OKLAHOMA     )  
  ) ss  
COUNTY OF STEPHENS    )

Before me personally appeared said Craig W. Roddy and acknowledged the foregoing instrument to be his free act and deed this 29 day of October, 2012.

Seal



  
\_\_\_\_\_  
(Notary)