

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GAGAN SAINI	11/11/2014
QI LIANG	11/14/2014
<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>	16053637
<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>	ctumey@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>	1560-097005
<b>NAME OF SUBMITTER:</b>	COREY TUMEY
<b>SIGNATURE:</b>	/Corey Tumey/
<b>DATE SIGNED:</b>	04/24/2019
<b>Total Attachments: 4</b>	
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source=2014-IP-087953U1D1-PCT_Dec-Assignment#page4.tif	

## DECLARATION AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

- The attached application to be filed as a United States application or PCT international application, or
- United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_; and,

entitled "CHEMICALLY STRENGTHENED BOND BETWEEN THERMALLY STABLE POLYCRYSTALLINE HARD MATERIALS AND BRAZE MATERIAL." Regarding that application, I declare the following:

- The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Moreover, Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219 (hereinafter "Assignee") is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We, by these presents do sell, assign and transfer and convey unto Assignee, 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 identified above, and any national phase, divisional, continuing, continuation-in-part, or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefore; said invention, application and any and all Letters Patent issuing there from to be held and enjoyed by Assignee, for its own use and benefit, 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.

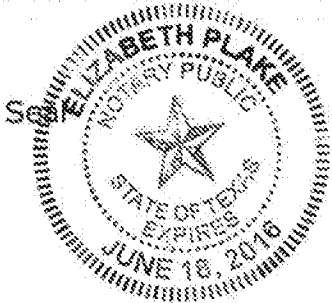
And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 11<sup>th</sup> day of NOVEMBER, 2014

Gagan Saini  
GAGAN SAINI

STATE OF )  
                  )  
COUNTY OF )

Before me personally appeared said GAGAN SAINI and acknowledged the foregoing instrument to be a free act and deed this 11 day of NOVEMBER, 2014.



Elmer  
(Notary)

**DECLARATION AND ASSIGNMENT**

As the below named inventor, I hereby declare that:

This declaration is directed to:

The attached application to be filed as a United States application or PCT international application, or

United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_; and,

entitled "CHEMICALLY STRENGTHENED BOND BETWEEN THERMALLY STABLE POLYCRYSTALLINE HARD MATERIALS AND BRAZE MATERIAL." Regarding that application, I declare the following:

- The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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2014-IP-087953 U1 PCT (087638-0966)

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 Assignee, 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 14 day of November, 2014

QI LIANG

STATE OF

COUNTY OF

Before me personally appeared said QI LIANG and acknowledged the foregoing instrument to be a free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

Seal

(Notary)