

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4879940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHILIP D. NGUYEN	06/29/2015
DIPTI SINGH	07/26/2015
PRASHANT D. CHOPADE	06/29/2015
TRAVIS HOPE LARSEN	06/29/2015
RECEIVING PARTY DATA	
Name:	HALLIBURTON ENERGY SERVICES, INC.
Street Address:	3000 N. SAM HOUSTON PARKWAY E.
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032-3219
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15753905
CORRESPONDENCE DATA	
Fax Number:	(949)851-9348
<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>	
Phone:	949-851-0633
Email:	smanriquez@mwe.com, mweipdocket@mwe.com, HalliburtonUSPTOReporting@mwe.com
Correspondent Name:	MCDERMOTT WILL & EMERY LLP
Address Line 1:	4 PARK PLAZA, SUITE 1700
Address Line 4:	IRVINE, CALIFORNIA 92614-2559
ATTORNEY DOCKET NUMBER:	098273-2229
NAME OF SUBMITTER:	MARK J. ITRI, REG. NO. 36,171
SIGNATURE:	/Mark J. Itri/
DATE SIGNED:	03/22/2018
Total Attachments: 8	
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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 "ENHANCING COMPLEX FRACTURE NETWORKS IN SUBTERRANEAN FORMATIONS." 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.

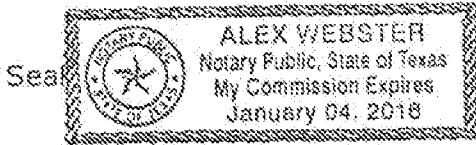
And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 29th day of June, 2015

Philip D. Nguyen
PHILIP D. NGUYEN

STATE OF Texas)
COUNTY OF Harris)

Before me personally appeared said PHILIP D. NGUYEN and acknowledged the foregoing instrument to be a free act and deed this 29th day of June, 2015.



Alex Webster
(Notary)

DECLARATION AND ASSIGNMENT

As the below named inventor, I hereby declare that:

This declaration is directed to:

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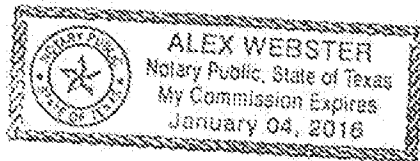
Executed this 26th day of July, 2015

Dipti Singh
DIPTI SINGH

STATE OF Texas)
COUNTY OF Harris)

Before me personally appeared said DIPTI SINGH and acknowledged the foregoing instrument to be a free act and deed this 26th day of June, 2015.

Seal



Alex Webster

(Notary)

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This declaration is directed to:

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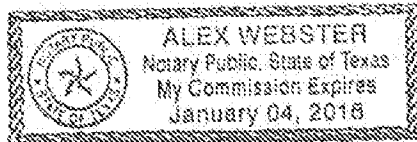
Executed this 29th day of June, 2015

Prashant D. Chopade
PRASHANT D. CHOPADE

STATE OF TEXAS)
COUNTY OF Harris)

Before me personally appeared said PRASHANT D. CHOPADE and acknowledged the foregoing instrument to be a free act and deed this 29th day of June, 2015.

Seal



Alex Webster
(Notary)

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This declaration is directed to:

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entitled "ENHANCING COMPLEX FRACTURE NETWORKS IN SUBTERRANEAN FORMATIONS." Regarding that application, I declare the following:

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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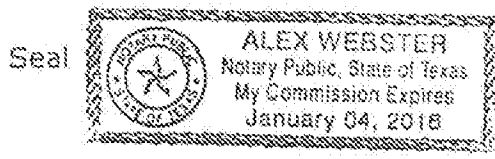
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Executed this 29th day of June, 2015

[Signature]
TRAVIS HOPE LARSEN

STATE OF Texas)
)
COUNTY OF Harris)

Before me personally appeared said TRAVIS HOPE LARSEN and acknowledged the foregoing instrument to be a free act and deed this 29th day of June, 2015.



[Signature]
(Notary)