503546485 10/29/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILIP D. NGUYEN	09/19/2013
JIM D. WEAVER	09/19/2013

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.
Street Address:	3000 N. SAM HOUSTON PARKWAY E
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14888016

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	1399-042.01
NAME OF SUBMITTER:	ROBERT AUERBACH
SIGNATURE:	/Robert Auerbach/
DATE SIGNED:	10/29/2015

Total Attachments: 3

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PATENT 503546485 REEL: 036916 FRAME: 0764

ASSIGNMENT

Whereas, I/We, Philip D. NGUYEN of Houston, Texas and Jim D. WEAVER of Duncan, Oklahoma have invented "Methods for Etching Fractures and Microfractures in Shale Formations" 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 PCT/US2013/060904 filed on 20 Sept 2013 (attorney is authorized to enter the serial number and filing date) 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.

se la
Executed this 19th day of September 2013.
Philip D. NGUYEN
STATE OF Texas) COUNTY OF Harris)
Before me, the undersigned authority, on this day 19 day of September, 2013,
personally appeared Philip D. NGUYEN, known to me to be the person whose name is
subscribed to the foregoing instrument and acknowledged to me that he executed the same of his
own free will for the purposes and consideration therein expressed.
[SEAL] ALEX WEBSTER Notary Public, State of Texas My Commission Expires January 04, 2018 (Notary Public)
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Executed this 1900 day of September, 2013.
Sint D. WEAVER
STATE OF OKLANIOMA)) ss COUNTY OF MERMEALS)
Before me, the undersigned authority, on this day 1924 day of 1925, 2013, personally appeared Jim D. WEAVER , known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.
[SEAL] NOTARY PUBLIC State of Okia. ALMA FRAIRE Comm. # 12006759 Expires 07-18-2016
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RECORDED: 10/29/2015