505835574 12/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5882508

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| PHILIP D. NGUYEN | 10/31/2017 |
| GLENN A. WILSON | 11/08/2017 |
| GOLCHEHREH SALAMAT | 10/31/2017 |

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: | 16626164 |

CORRESPONDENCE DATA

Fax Number: (713)229-2880

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.

Phone: 713 229-1234

Email: susan.stewart@bakerbotts.com

Correspondent Name: BAKER BOTTS L.L.P.

Address Line 1: 910 LOUISIANA STREET, ONE SHELL PLAZA

Address Line 4: HOUSTON, TEXAS 77002

| ATTORNEY DOCKET NUMBER: | 063718.8737 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | SUSAN STEWART |
| SIGNATURE: | /Susan Stewart/ |
| DATE SIGNED: | 12/23/2019 |

Total Attachments: 4

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> PATENT REEL: 051358 FRAME: 0392

505835574

ASSIGNMENT

Whereas, I/We Philip D. Nguyen of Harris County, Houston, Texas; Glenn A. Wilson of Harris County, Houston, Texas; and Golchehreh Salamat of Harris County, Houston, Texas; have invented "FLUID INJECTION TREATMENTS IN SUBTERRANEAN FORMATIONS STIMULATED USING PROPELLANTS" for which I/we have made application for Letters Patent of the International Bureau; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 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, 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 behoove, 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.

1 of 4

| Executed this 31 day of Octobe | <u>r, 2017</u> | |
|--|------------------------|--|
| | Philip D. Nguyen | |
| | Thin D. Ngayen | |
| STATE OF TEXAS |) | |
| |) | |
| COUNTY OF HARRIS |) | |
| Before me personally appeared said Philip D. Nguyen and acknowledged the foregoing instrument to be his free act and deed this 31 day of | | |
| Seal ALEX WEBST NOTARY PUBLIC, STATE MY COMMISSION EX JANUARY 04, 20 ID #12884079 | OF TEXAS (PIRES (PIRES | |

| Executed this 8th day of Novem | , bec , 2017 |
|--|--|
| | fuil |
| | Glenn A. Wilson |
| STATE OF TEXAS |) |
| |) |
| COUNTY OF HARRIS |) |
| Before me personally appeare foregoing instrument to be his with the beautiful of the beaut | ed said Glenn A. Wilson and acknowledged the free act and deed this 8 day of |
| Seal | Hancy Deviso (Notary) |
| NANCY DAVIS Notary Public. State of Texas My Commission Expires June 19, 2018 | |

| Executed this 3 day of OHOW, 2017 | | |
|---|--------------------|--|
| | Gold Salamy | |
| | Golchehreh Salamat | |
| am . Puz a P MPN a | | |
| STATE OF TEXAS |) | |
| |) | |
| COUNTY OF HARRIS |) | |
| | | |
| Before me personally appeared said Golchehreh Salamat and acknowledged the foregoing instrument to be his free act and deed this day of | | |
| Seal ALEX WEBS NOTARY PUBLIC, STATE MY COMMISSION E JANUARY 04, 20 1D #1288407 | XPIRES (Notary) | |