504696793 12/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4743515

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| GLENN S. PENNY | 08/14/2017 |
| YU BIAN | 08/08/2017 |
| JOHN T. PURSLEY | 07/27/2017 |

RECEIVING PARTY DATA

| Name: | FLOTEK CHEMISTRY, LLC |
|-----------------|-----------------------|
| Street Address: | 1004 PLAINSMAN ROAD |
| City: | MARLOW |
| State/Country: | OKLAHOMA |
| Postal Code: | 73055 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15380881 |

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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: 617.646.8000

Email: patents_robw@wolfgreenfield.com **Correspondent Name:** WOLF, GREENFIELD & SACKS, P.C.

Address Line 1: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210-2206

| ATTORNEY DOCKET NUMBER: | C1408.70016US01 | |
|-------------------------|--------------------|--|
| NAME OF SUBMITTER: | MELANIE CHIUSANO | |
| SIGNATURE: | /Melanie Chiusano/ | |
| DATE SIGNED: | 12/20/2017 | |

Total Attachments: 5

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PATENT 504696793 REEL: 044446 FRAME: 0641

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PATENT REEL: 044446 FRAME: 0642

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- 1. Sell, assign and transfer to Flotek Chemistry, LLC, an Oklahoma Limited Liability Company having a place of business at 1004 Plainsman Road, Marlow, Oklahoma 73055, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the patent application for United States Letters Patent filed in the United States Patent and Trademark Office on **December 15, 2016** under No. 15/380,881, bearing Attorney Docket No. C1408.70016US01, and entitled SURFACTANT FORMULATIONS FOR FOAM FLOODING, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions and designs; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions and designs, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and designs and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

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PATENT REEL: 044446 FRAME: 0644

| <u>8-14-2</u> | <u>01</u> 7 | lan in an | |
|--------------------------|-------------------------------|--|---|
| Dale | | | Glenn S. Penny |
| | | Address: | 14173 NW Freeway, #118 |
| | | Contraction of the Contraction | Houston, Texas 77040 |
| | | Citizenship: | US |
| | | | |
| | | | |
| STATE/COMMONWE | ALTH OF | | |
| COUNTY OF | . | * | |
| On this | day of | * | , before me, the undersigned notary public, |
| personally appeared | Gle | erin S. Penny | , proved to me through satisfactory evidence of |
| identification, which we | ere | - Proofs, with photocome abability in the control of the control o | |
| to be the person who s | signed the pr | eceding or attached o | document in my presence and swore or affirmed |
| | | | accurate to the best of (his) (her) knowledge |
| | | | od it voluntarity for its stated purpose. |
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| PERSONALIZED ! | SEAL | | • |
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| SALS Empedations | | € . 9 € | |
| My commission ex | pires: | ************************************** | |
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| 08/08/17 | LiBian |
|---|---|
| Date Inventor: | Yu Bian |
| Address: | 6218 Barkmist Lane |
| | Katy, Texas 77450 |
| Citizenship; | US |
| STATE/COMMONWEALTH OF TEXAS COUNTY OF Local On this day of Tyu Bian identification, which were Tyu Bian to be the person who signed the preceding or attached to me that the contents of the document are truthful and and belief and acknowledged to me that (he) (she) signed | accurate to the best of (his) (her) knowledge |

LISA M MYERS
Notary ID # 1011005
My Commission Expires
August 14, 2020

My commission expires:

PERSONALIZED SEAL

| -/ | / | / |
|----------|---|----|
| Date / 2 | 4 | 11 |

Inventor: John T. Pursley

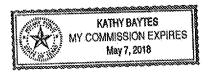
Address: 22 Golden Orchard Place

The Woodlands, Texas 77354

Citizenship: US

| STATE/COMMONWEALTH OF TEXAS COUNTY OF HARRIS |
|--|
| On this 21th day of July , 2011, before me, the undersigned notary public, |
| personally appeared John Typursley , proved to me through satisfactory evidence of |
| identification, which were divers license (1x) to be the person who signed the preceding or attached document in my presence and swore or affirmed |
| to be the person who signed the preceding or attached document in my presence and swore or affirmed |
| to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge |
| and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. |

PERSONALIZED SEAL



Notary Public' Signature

My commission expires:

5-7-18