

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | LI GAO | 12/12/2016 |
| | DANIEL JOSHUA STARK | 12/12/2016 |
| 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: | 16330342 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (214)932-6499 | |
| <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: | 2149326400 | |
| Email: | sshernandez@mcguirewoods.com | |
| Correspondent Name: | ROBERT C. HILTON | |
| Address Line 1: | 1750 TYSONS BLVD., SUITE 1800 | |
| Address Line 4: | TYSONS CORNER, VIRGINIA 22102 | |
| ATTORNEY DOCKET NUMBER: | 2069464-0305PTUS | |
| NAME OF SUBMITTER: | STEPHANIE HERNANDEZ | |
| SIGNATURE: | /Stephanie Hernandez/ | |
| DATE SIGNED: | 06/05/2019 | |
| Total Attachments: 3 | | |
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ASSIGNMENT

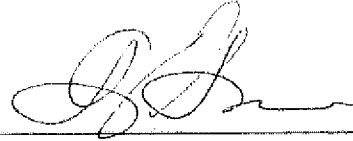
WHEREAS, We, Li Gao, having an address of 5618 Grandwood Ln, Katy, Texas 77450, US; Daniel Joshua Stark, having an address of 8423 Hearth Dr., Apt. 3, Houston, Texas 77054, US; Krishna Ravi, having an address of PO Box 5622, Kingwood, Texas 77325, US; and Christopher Lee Stokely, having an address of 4402 Gardendale Drive, Houston, Texas 77092, US, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in a **"METHODS AND NETWORKS TO DETERMINE A BOUNDARY OF A CEMENT MIXTURE"**, shown and described in an International Patent Application filed under the Patent Cooperation Treaty on December 7, 2016, and assigned International Application No. PCT/US2016/065409 (the "Application"); and,

WHEREAS, Halliburton Energy Services, Inc., a Delaware corporation, having a correspondence address at 3000 N. Sam Houston Parkway E., Houston, Texas 77032, US, ("Halliburton"), is desirous of acquiring our entire right, title and interest in and to said inventions, Application and any patents which may issue thereon;

NOW, THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, Assignors agree to assign and hereby assign to Halliburton for the territory of the United States of America and the entire world our entire right, title and interest in and to said inventions and Application, and in and to any and all patent applications in the United States and all countries foreign to the United States which may claim priority to said Application or which may be directed to said inventions, said patent applications including without limitation any and all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, utility models, industrial models, and designs, and in and to any and all patents in the United States and all countries foreign to the United States which may be granted therefore and thereon, and in and to any reissues, reexaminations, and extensions of said patents. Assignors hereby transfer and convey to Halliburton any right to recover for past and future infringement of the patents assigned herein.

Assignors HEREBY covenant and agree that Assignors will at any time, upon the request and at the expense of Halliburton, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said inventions, applications and patents, and Assignors authorize the Commissioner of Patents and Trademarks, or any other patent-issuing authority in the United States or any other country, to issue said patents to Halliburton.

IN TESTIMONY WHEREOF, I execute this assignment on the date set forth below my name.



Li Gao

THE STATE OF:
COUNTY OF:

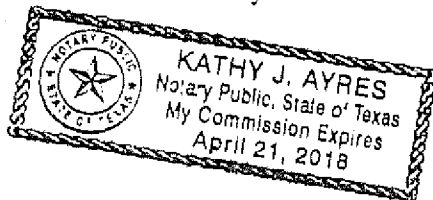
Tarrant
Harris

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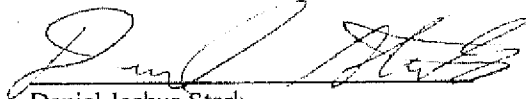
Before me personally appeared the above-identified individual and acknowledged that the foregoing assignment to be his voluntary act and deed on the 12 day of December, 2016.

Notary Public:
State of:
My commission expires:

Kathy Ayres
Texas
4-21-18



IN TESTIMONY WHEREOF, I execute this assignment on the date set forth below my name.


Daniel Joshua Stark


THE STATE OF:
COUNTY OF:

Texas
Harris

§
§

Before me personally appeared the above-identified individual and acknowledged that the foregoing assignment to be his voluntary act and deed on the 12th day of December, 2016.

Notary Public:
State of:
My commission expires:


Texas
4-21-18

