



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 25, 2017

PTAS

KILPATRICK TOWNSEND & STOCKTON LLP
1100 PEACHTREE STREET
SUITE 2800
ATLANTA, GA 30309

504193796

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/24/2017

REEL/FRAME: 041066/0440
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 061429-1018700

ASSIGNOR:

ROWE, MATHEW DENNIS

DOC DATE: 01/24/2017

ASSIGNOR:

GOSNEY, JON TROY

DOC DATE: 11/04/2016

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC.
3000 N. SAM HOUSTON PARKWAY E.
HOUSTON, TEXAS 77032

APPLICATION NUMBER:

PATENT NUMBER:

PCT NUMBER: US1656848

TITLE: GAS ISOTOPE ANALYSIS

FILING DATE: 10/13/2016

ISSUE DATE:

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

**ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS
IN PATENT APPLICATION**

Whereas we, the undersigned inventors, have invented certain new and useful innovations as set forth in the patent application entitled:

GAS ISOTOPE ANALYSIS

the specification of which was filed with the U.S. Receiving Office of the PCT on October 13, 2016, and assigned application no. PCT/US2016/056848.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Halliburton Energy Services, Inc., a corporation of the State of Texas having a principal place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 ("Assignee"), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and
 - (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph

(including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.

2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Dated: 1/24/17

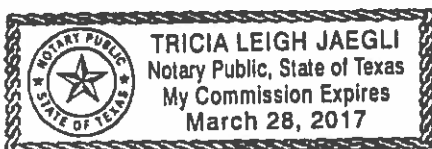

Mathew Dennis Rowe

STATE OF Texas
COUNTY OF Harris

Before me, a Notary Public in and for the State of Texas, on this 24th day of January, 2016²⁰¹⁷, personally appeared Mathew Dennis Rowe, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)


NOTARY PUBLIC
My Commission Expires:



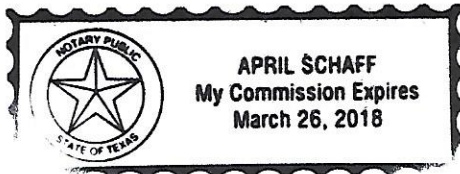
Dated: 11/4/2016

Jon Troy Gosney
Jon Troy Gosney

STATE OF Texas
COUNTY OF Austin

Before me, a Notary Public in and for the State of Texas, on this 4 day of November, 2016, personally appeared **Jon Troy Gosney**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)



April Schaff
NOTARY PUBLIC
My Commission Expires: March 26, 2018

Señora Directora

DIRECCIÓN DE NUEVAS CREACIONES

Superintendencia de Industria y Comercio

E. S. D.

Referencia: Expediente No. NC2019/0002203
Asunto: Solicitud de patente para: ANÁLISIS DE ISÓTOPOS DE GAS
Solicitante: HALLIBURTON ENERGY SERVICES, INC.
Fecha de solicitud: 08 de marzo de 2019

RESPUESTA A EXAMEN PRELIMINAR

ANDRÉS RINCÓN USCÁTEGUI, identificado como aparece al pie de mi firma, en mi condición de apoderado de la sociedad solicitante de la patente de la referencia, doy respuesta al Oficio 1462, notificado por fijación en lista el 21 de marzo de 2019.

I. DOCUMENTO DE CESIÓN

Se presenta junto con este memorial la copia del documento en donde consta la cesión del derecho a la patente otorgada por los inventores en favor de HALLIBURTON ENERGY SERVICES, INC.

II. PETICIÓN

Teniendo en cuenta que la presente solicitud cumple con los requisitos de los Artículos 26 y 27 de la Decisión 486 de 2000, y considerando que se ha dado respuesta a cada una de las observaciones de la Dirección de Nuevas Creaciones, solicito a su Despacho continuar con el trámite administrativo correspondiente.

III. ANEXOS

1. Documento de cesión de los inventores en favor de HALLIBURTON ENERGY SERVICES, INC.

Señora Directora,

ANDRÉS RINCÓN USCÁTEGUI

C.C. 79.780.910 de Bogotá

T.P. 114.908

COLO-10756-0841-0004-0
NBV\NBV\ID-304347\WPC10756
No. M-2019-304347\NBV