502878330 07/03/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2924928

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL F. RODNEY	01/09/2012

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.	
Street Address:	10200 BELLAIRE BLVD	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77072	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14370518

CORRESPONDENCE DATA

Fax Number:

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: 612-373-6900 USPTO@slwip.com

Correspondent Name: SCHWEGMAN, LUNDBERG, WOESSNER / HALLIBUR

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

NAME OF SUBMITTER: TARA MCMILLEN

SIGNATURE: /Tara McMillen/

DATE SIGNED: 07/03/2014

Total Attachments: 3

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PATENT 502878330 REEL: 033237 FRAME: 0418

Attorney Docket No. 1880.367WO1 Client Ref. No. 2010-IP-040276 PCT / EBilling #: 2010-IPRO-040276

ASSIGNMENT

WHEREAS, I, Paul F. Rodney, residing at 6134 Jadecrest Ct., Spring, TX 77389, made certain new and useful inventions and improvements which are described in an application for PCT Letters Patent entitled <u>MAGNETIC SENSING APPARATUS</u>, SYSTEMS, AND METHODS;

WHEREAS, I hereby authorize and request the attorneys, representing Halliburton Energy Services, Inc. on this application, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. ______; Filing Date: ______) the filing date and application number of said application when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to <u>Halliburton Energy Services</u>, Inc. (the "Assignee"), a corporation of the State of <u>Delaware</u>, having a place of business at <u>10200 Bellaire Blvd</u>, <u>Houston</u>, <u>TX 77072</u>, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified application for PCT Letters Patent, and which may be further identified below; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the identified application;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, below, after execution of this Assignment;

Additional Application Information

No Provisional claim for priority is being made at this time.

No U.S. Non-Provisional claim for priority is being made at this time.

No International or foreign claim for priority is being made at this time.

PATENT REEL: 033237 FRAME: 0419

Docket No: 1880,367WO1

ASSIGNMENT
Client Ref. No. 2010-IP-040276 PCT / Ebilling #: 2010-IPRO-040276
Assignors: Paul F. Rodney
Title: MAGNETIC SENSING APPARATUS, SYSTEMS, AND METHODS
Page 2 of 3

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

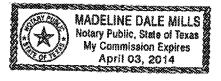
AGREED as of the date of my signature below:

ASSIGNMENT

Docket No: 1880.367WO1

Client Ref. No. 2010-IP-040276 PCT / Ebilling #: 2010-IPRO-040276 Assignors: Paul F. Rodney

Title, MAGNETIC SENSING APPARATUS, SYSTEMS, AND METHODS Page 3 of 3
IN TESTIMONY WHEREOF, I have hereunto set my hand this $\frac{q + k}{2}$ day of $\frac{1}{2}$ day of
<u>Lala, Lala, La </u>
Paul F. Rodney
STATE OF
COUNTY OF Harris
On this 44 day of 3 nuary, 2012 before me personally appeared Paul F. Rodney, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.
[SEAL] Malchie Dale Phills



PATENT REEL: 033237 FRAME: 0421

RECORDED: 07/03/2014