

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2610469

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT										
EFFECTIVE DATE:	10/08/2213										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHRISTOPHER MICHAEL MCMILLON</td> <td>11/11/2013</td> </tr> <tr> <td>ROBERT MITCHELL NEELY</td> <td>11/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	CHRISTOPHER MICHAEL MCMILLON	11/11/2013	ROBERT MITCHELL NEELY	11/11/2013				
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CHRISTOPHER MICHAEL MCMILLON	11/11/2013										
ROBERT MITCHELL NEELY	11/11/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>HALLIBURTON ENERGY SERVICES, INC.</td> </tr> <tr> <td>Street Address:</td> <td>10200 BELLAIRE BOULEVARD</td> </tr> <tr> <td>City:</td> <td>HOUSTON</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77072</td> </tr> </table>		Name:	HALLIBURTON ENERGY SERVICES, INC.	Street Address:	10200 BELLAIRE BOULEVARD	City:	HOUSTON	State/Country:	TEXAS	Postal Code:	77072
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US1363824</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US1363824						
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PCT Number:	US1363824										
CORRESPONDENCE DATA											
Fax Number:	(404)541-3116										
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ATTORNEY DOCKET NUMBER:	61429-876873										
NAME OF SUBMITTER:	ANGIE DAVIS										
Signature:	/Angie Davis/										

PATENT

Date:

11/11/2013

Total Attachments: 3

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

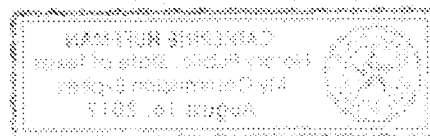
Whereas we, the undersigned inventors, have invented certain new and useful innovations as set forth in the patent application entitled:

**ASSEMBLY FOR MEASURING TEMPERATURE OF MATERIALS
FLOWING THROUGH TUBING IN A WELL SYSTEM**

the specification of which was filed with the U.S. Receiving Office of the PCT on October 8, 2013, and assigned application no. PCT/US2013/063824.

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 10200 Bellaire Boulevard, Houston, Texas 77072 ("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




PATENT

REEL: 031577 FRAME: 0787

- (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.

This Assignment is expressly made NUNC PRO TUNC to have the same legal force and effect as if executed on October 8, 2013 (the filing date of the above-referenced international patent application).

Dated: 11/11/13

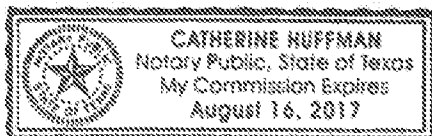

Christopher Michael McMillon

STATE OF Texas

COUNTY OF Dallas


Before me, a Notary Public in and for the State of Texas, on this 11th day of November, 2013, personally appeared **Christopher Michael McMillon**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)




NOTARY PUBLIC
My Commission Expires:

Dated: 11/11/13

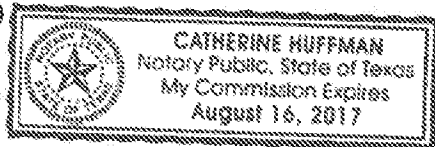

Robert Mitchell Neely

STATE OF Texas

COUNTY OF Dallas

Before me, a Notary Public in and for the State of Texas, on this 11th day of November, 2013, personally appeared Robert Mitchell Neely, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)




NOTARY PUBLIC

My Commission Expires: