

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5169262

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BP AMERICA PRODUCTION COMPANY	03/24/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16067679
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<b>DATE SIGNED:</b>	10/02/2018
<b>Total Attachments: 2</b>	
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source=0952114-Assignment from BP America to Halliburton executed by BP America#page2.tif	

## ASSIGNMENT OF PATENT APPLICATION

This Assignment of Patent Application, effective as of March 24, 2016, is made by **BP America Production Company**, a corporation of the State of Texas having a principal place of business at 501 Westlake Park Boulevard, Houston, Texas 77079 (hereinafter "Assignor") in favor of **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 (hereinafter "Assignee").

For and in consideration of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee, any and all of its right, title and interest in and to International Patent Application No. PCT/US2016/023987 filed with the U.S. Receiving Office of the PCT on March 24, 2016, as well as any and all national, regional or other patent applications based thereon and any divisional, continuation, continuation-in-part, reissue, renewal, or reexamination of any of the foregoing (the "Patent Applications"); (ii) all inventions and improvements set forth in the Patent Application; (iii) any patent which may issue on any of the Patent Applications; (iv) the right to claim priority from any of the Patent Applications under any applicable convention or treaty; (iv) and all causes of action for infringement related to any of the Patent Applications or any patent issuing therefrom.

Assignor hereby binds itself, its heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made.

In witness whereof, the undersigned duly authorized officer of Assignor has caused this Assignment of Patent Applications to be executed and effective as of the date first mentioned above.

Assignor: **BP America Production Company**

By: 

Name: James J. Russell

Title: Vice President

Assignee: **Halliburton Energy Services, Inc.**

By: \_\_\_\_\_

Clive D. Menezes  
Vice President and Chief Patent Counsel