

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5559834

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSE D BRANA	06/06/2019
ANDREW V ILIN	06/04/2019
SAYAMIK N AMEEN	06/06/2019
THOMAS H KOITHAN	06/04/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WEATHERFORD TECHNOLOGY HOLDINGS, LLC
<b>Street Address:</b>	2000 ST JAMES PL
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77056
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16433837
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)228-6605
<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>	
<b>Phone:</b>	7132286601
<b>Email:</b>	houstonpatents@blankrome.com
<b>Correspondent Name:</b>	WEATHERFORD/PRECISION C/O BLANK ROME LLP
<b>Address Line 1:</b>	717 TEXAS AVENUE, SUITE 1400
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002
<b>ATTORNEY DOCKET NUMBER:</b>	205-0736US (6568-US)
<b>NAME OF SUBMITTER:</b>	SEAN MCDERMOTT
<b>SIGNATURE:</b>	/Sean McDermott/
<b>DATE SIGNED:</b>	06/06/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 8</b>	
source=205-0736US_Assignment_JB#page1.tif	

source=205-0736US\_Assignment\_JB#page2.tif  
source=205-0736US\_Assignment\_AI#page1.tif  
source=205-0736US\_Assignment\_AI#page2.tif  
source=205-0736US\_Assignment\_AS#page1.tif  
source=205-0736US\_Assignment\_AS#page2.tif  
source=205-0736US\_Assignment\_TK#page1.tif  
source=205-0736US\_Assignment\_TK#page2.tif

**COMBINED DECLARATION AND ASSIGNMENT  
FOR A UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET**

DECLARATION:

As a below named inventor, I hereby declare that the attached application, entitled "**Drilling System and Method Using Calibrated Pressure Losses,**" was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application.

I have reviewed and understand the contents of the above-identified patent application, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the claims in the above-identified patent application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT:

I, for valuable consideration received, do hereby assign to **Weatherford Technology Holdings, LLC**, a Delaware corporation organized and existing under the laws of the United States of America ("USA") and having a principal place of business at **2000 St. James Place, Houston, Texas 77056**, (hereinafter referred to as "Assignee"), my entire worldwide right, title, and interest in:

all inventions disclosed or claimed in the above-identified patent application, and improvements thereof, including all inventions and improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other patent application based off of or claiming priority to the above-identified patent application;

the right to claim priority to the above-identified patent application; and

the right to sue for past, present, and future infringement of any patents obtained for the inventions and improvements.

I further:

covenant that I have the full right and authority to assign the rights assigned herein;


warrant that I have made no other assignment, grant, mortgage, license or other agreement affecting the rights assigned herein, except to the extent that I have already assigned such rights to the Assignee, in which case this present assignment should merely be understood as confirmatory of my assignment to the Assignee;

authorize and request that any United States or foreign patents based on the rights assigned herein be issued to the Assignee;

agree when requested and at the expense of the Assignee, to: carry out in good faith the intent and purpose of this assignment; to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and generally to do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing patent protection of the rights assigned herein; and

agree that this assignment shall be binding on my heirs, assigns, representatives and successors, and shall extend to the successors, assigns, and nominees of Assignee.

Inventor(s) and Assignor(s):

1.	 _____ <b>Jose D. Brana</b>	<u>6/6/2019</u> _____ <b>Date</b>
2.	_____ <b>Andrew Ilin</b>	_____ <b>Date</b>
3.	_____ <b>Sayamik Ameen</b>	_____ <b>Date</b>
4.	_____ <b>Thomas Koithan</b>	_____ <b>Date</b>

**COMBINED DECLARATION AND ASSIGNMENT  
FOR A UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET**

DECLARATION:

As a below named inventor, I hereby declare that the attached application, entitled "Drilling System and Method Using Calibrated Pressure Losses," was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application.

I have reviewed and understand the contents of the above-identified patent application, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the claims in the above-identified patent application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT:

I, for valuable consideration received, do hereby assign to **Weatherford Technology Holdings, LLC**, a Delaware corporation organized and existing under the laws of the United States of America ("USA") and having a principal place of business at **2000 St. James Place, Houston, Texas 77056**, (hereinafter referred to as "Assignee"), my entire worldwide right, title, and interest in:

all inventions disclosed or claimed in the above-identified patent application, and improvements thereof, including all inventions and improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other patent application based off of or claiming priority to the above-identified patent application;

the right to claim priority to the above-identified patent application; and

the right to sue for past, present, and future infringement of any patents obtained for the inventions and improvements.

I further:

covenant that I have the full right and authority to assign the rights assigned herein;

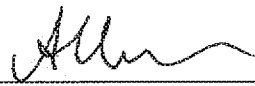
warrant that I have made no other assignment, grant, mortgage, license or other agreement affecting the rights assigned herein, except to the extent that I have already assigned such rights to the Assignee, in which case this present assignment should merely be understood as confirmatory of my assignment to the Assignee;

authorize and request that any United States or foreign patents based on the rights assigned herein be issued to the Assignee;

agree when requested and at the expense of the Assignee, to: carry out in good faith the intent and purpose of this assignment; to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and generally to do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing patent protection of the rights assigned herein; and

agree that this assignment shall be binding on my heirs, assigns, representatives and successors, and shall extend to the successors, assigns, and nominees of Assignee.

Inventor(s) and Assignor(s):

- |    |   |                                      |
|----|---|--------------------------------------|
| 1. | _____<br>Jose D. Brana  | _____<br>Date                        |
| 2. | <br>_____<br>Andrew Ilin | <i>June 4, 2019</i><br>_____<br>Date |
| 3. | _____<br>Sayamik Ameen  | _____<br>Date                        |
| 4. | _____<br>Thomas Koithan   | _____<br>Date                        |

**COMBINED DECLARATION AND ASSIGNMENT  
FOR A UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET**

DECLARATION:

As a below named inventor, I hereby declare that the attached application, entitled **“Drilling System and Method Using Calibrated Pressure Losses,”** was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application.

I have reviewed and understand the contents of the above-identified patent application, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the claims in the above-identified patent application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT:

I, for valuable consideration received, do hereby assign to **Weatherford Technology Holdings, LLC**, a Delaware corporation organized and existing under the laws of the United States of America (“USA”) and having a principal place of business at **2000 St. James Place, Houston, Texas 77056**, (hereinafter referred to as “Assignee”), my entire worldwide right, title, and interest in:

all inventions disclosed or claimed in the above-identified patent application, and improvements thereof, including all inventions and improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other patent application based off of or claiming priority to the above-identified patent application;

the right to claim priority to the above-identified patent application; and

the right to sue for past, present, and future infringement of any patents obtained for the inventions and improvements.





**COMBINED DECLARATION AND ASSIGNMENT  
FOR A UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET**

DECLARATION:

As a below named inventor, I hereby declare that the attached application, entitled "**Drilling System and Method Using Calibrated Pressure Losses**," was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified patent application.

I have reviewed and understand the contents of the above-identified patent application, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the claims in the above-identified patent application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT:

I, for valuable consideration received, do hereby assign to **Weatherford Technology Holdings, LLC**, a Delaware corporation organized and existing under the laws of the United States of America ("USA") and having a principal place of business at **2000 St. James Place, Houston, Texas 77056**, (hereinafter referred to as "Assignee"), my entire worldwide right, title, and interest in:

- all inventions disclosed or claimed in the above-identified patent application, and improvements thereof, including all inventions and improvements which have been or might be disclosed or claimed in a divisional, continuation, continuation-in-part, substitute, provisional, non-provisional, renewal, reissue, or other patent application based off of or claiming priority to the above-identified patent application;
- the right to claim priority to the above-identified patent application; and
- the right to sue for past, present, and future infringement of any patents obtained for the inventions and improvements.

I further:

covenant that I have the full right and authority to assign the rights assigned herein;

warrant that I have made no other assignment, grant, mortgage, license or other agreement affecting the rights assigned herein, except to the extent that I have already assigned such rights to the Assignee, in which case this present assignment should merely be understood as confirmatory of my assignment to the Assignee;

authorize and request that any United States or foreign patents based on the rights assigned herein be issued to the Assignee;

agree when requested and at the expense of the Assignee, to: carry out in good faith the intent and purpose of this assignment; to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and generally to do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing patent protection of the rights assigned herein; and

agree that this assignment shall be binding on my heirs, assigns, representatives and successors, and shall extend to the successors, assigns, and nominees of Assignee.

Inventor(s) and Assignor(s):

- |    |                |       |
|----|----------------|-------|
| 1. | _____          | _____ |
|    | Jose D. Brana  | Date  |
| 2. | _____          | _____ |
|    | Andrew Ilin    | Date  |
| 3. | _____          | _____ |
|    | Sayamik Ameen  | Date  |
| 4. | _____          | _____ |
|    | Thomas Koithan | Date  |

6/4/2019