

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3283035

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DON Q. NGUYEN	02/27/2015
CARL E. POTEET	03/25/2015
JOHN F. BRADFORD	03/25/2015
ERIC C. SULLIVAN	03/25/2015
MARK P. BLACKMAN	02/27/2015
ALAN J. MASSEY	02/26/2015
GREGORY L. RICKS	03/25/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BAKER HUGHES INCORPORATED
<b>Street Address:</b>	2929 ALLEN PARKWAY, SUITE 2100
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77019-2118
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61934697
<b>Application Number:</b>	14611167
<b>PCT Number:</b>	US2015014011
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)800-5699
<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>	7138005700
<b>Email:</b>	SMDdocket@smd-iplaw.com
<b>Correspondent Name:</b>	SUTTON MCAUGHAN DEAVER PLLC
<b>Address Line 1:</b>	THREE RIVERWAY, SUITE 900
<b>Address Line 4:</b>	HOUSTON, TEXAS 77056
<b>ATTORNEY DOCKET NUMBER:</b>	1012.00282.US00
<b>NAME OF SUBMITTER:</b>	DANNY VARA

<b>SIGNATURE:</b>	/Danny Vara/
<b>DATE SIGNED:</b>	03/26/2015
<b>Total Attachments: 8</b> source=00282.US00 - exAssgt#page1.tif source=00282.US00 - exAssgt#page2.tif source=00282.US00 - exAssgt#page3.tif source=00282.US00 - exAssgt#page4.tif source=00282.US00 - exAssgt#page5.tif source=00282.US00 - exAssgt#page6.tif source=00282.US00 - exAssgt#page7.tif source=00282.US00 - exAssgt#page8.tif	

**ASSIGNMENT  
AND/OR  
RATIFICATION OF ASSIGNMENT  
OF INTELLECTUAL PROPERTY**

WHEREAS, We, the undersigned, hereafter individually and collectively, "**Assignor**," have jointly invented and developed certain new and useful methods, devices, and/or systems that are disclosed, taught and/or claimed in one or more of the applications for patent listed below, entitled "Hybrid Drill Bit Having Increased Service Life" (hereafter, collectively, "**Application**").

Country	Application Number	Filing Date
U.S.	61/934,697	January 31, 2014
U.S.	14/611,167	January 30, 2015
WO	PCT/US2015/014011	January 31, 2015

WHEREAS, **BAKER HUGHES INCORPORATED**, a corporation organized and existing under the laws of the state of Delaware, hereafter "**Assignee**," to the extent not already transferred to **Assignee** by an existing assignment obligation from me/us or by a prior written agreement and/or other legal relationship between **Assignee** and **Assignor**, is desirous of acquiring the entire and exclusive right, title and interest in and to, and possession of: a) the **Application** and all rights thereto; b) the subject matter disclosed, taught and/or claimed in the **Application**; and c) all tangible materials and intangible information concerning the **Application** and its subject matter, including but not limited to, copyrighted materials, know-how, confidential and proprietary information and trade secrets (hereafter, collectively, the "**Intellectual Property**").

NOW, THEREFORE, for one dollar (US\$1.00) and/or other good and valuable consideration, the receipt and sufficiency of which We hereby acknowledged, **Assignor** and **Assignee** agree as follows.

1. **Ratification of Prior Assignment.** **Assignor** hereby ratifies and acknowledges his/her/their prior assignment to **Assignee** of the aforesaid **Intellectual Property**, which assignment transferred the entire and exclusive right, title and interest in and to, and possession and use of, the aforesaid **Intellectual Property**, in all countries, regions and political subdivisions throughout the world, including without limitation, as applicable, the right to claim priority thereto or benefit thereof in all future applications for patent; the right to file and prosecute all related applications in the United States, in any foreign country or with any application filing convention or treaty, disclosing and/or claiming the **Intellectual Property**, in whole or in part, including, without limitation, all provisional applications, non-provisional applications, divisional applications, continuation applications, continuation-in-part applications, renewals, reissues, reexaminations, substitutes or extensions thereof; the right to all patents or other related property right that may be issued or granted thereon anywhere in the world; the right to all income, royalties, damages and payments now or hereafter due or payable with respect to any patent or other right described herein; the right to all causes of action (either in law or in equity); the right to sue, counterclaim, and recover for past, present and future

infringement of the rights described herein; all as fully and entirely the same as would have been held and enjoyed by **Assignor** if the transfer and assignment described herein had not been made.

2. **Present Assignment.** To the extent **Assignor** has not already assigned to **Assignee** all or any of the aforesaid **Intellectual Property**, **Assignor** does hereby assign, transfer and forever convey, to **Assignee**, its successors and assigns, the entire and exclusive right, title and interest in and to, and possession and use of, the aforesaid **Intellectual Property**, in all countries, regions and political subdivisions throughout the world, including without limitation, as applicable, the right to claim priority thereto or benefit thereof in all future applications for patent; the right to file and prosecute all related applications in the United States, in any foreign country or with any application filing convention or treaty, disclosing and/or claiming the **Intellectual Property**, in whole or in part, including, without limitation, all provisional applications, non-provisional applications, divisional applications, continuation applications, continuation-in-part applications, renewals, reissues, reexaminations, substitutes or extensions thereof; the right to all patents or other related property right that may be issued or granted thereon anywhere in the world; the right to all income, royalties, damages and payments now or hereafter due or payable with respect to any patent or other right transferred herein; the right to all causes of action (either in law or in equity); the right to sue, counterclaim, and recover for past, present and future infringement of the rights transferred herein; all as fully and entirely the same as would have been held and enjoyed by **Assignor** if the transfer and assignment had not been made.

3. **Issuance to Assignee.** **Assignor** hereby authorizes and requests the appropriate governmental official to issue any and all patents, certificates, registrations, grants or related property right assigned hereunder, to **Assignee**, as the owner of the entire and exclusive right, title and interest in and to the same.

4. **Warranty of Title.** **Assignor** hereby represents, warrants and covenants that **Assignor** had the full right to convey the interest herein ratified and/or has the full right to convey the interest herein assigned; that **Assignor** has not executed and will not execute any agreement, instrument or assignment in conflict herewith; and that the rights ratified and/or assigned herein are not subject to any other grant, license or right, or otherwise encumbered.

5. **Further Actions.** **Assignor** hereby covenants and agrees that **Assignor** will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, powers of attorney, assignments, and other documents; and do all lawful acts and things, which, in the opinion of **Assignee**, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in **Assignee**, its successors and assigns, the property ratified or transferred herein; and that **Assignor** will execute any application for reissue, division, continuation, continuation-in-part, counterpart, renewal, reexamination, correction, substitute or extension of said **Intellectual Property** or any resulting patent or related property right. **Assignor** covenants and agrees that **Assignor** will at any time upon request communicate to the **Assignee**, its successors, assigns or other legal representatives any facts relating to the aforesaid **Application** and **Intellectual Property** known to him/her, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

6. **Confidentiality.** Assignor hereby covenants and agrees to maintain as confidential all non-public aspects and details of the **Intellectual Property** unless and until such time as such aspects or details become publicly known through no fault of **Assignor**. **Assignor** agrees and understands that this obligation of confidentiality continues to exist regardless of whether **Assignor** is employed by **Assignee** or not. **Assignor** agrees and understands that this obligation of confidentiality is supplemental to all other obligations of confidence that **Assignor** may now or hereafter owe to **Assignee**.

7. **Assignee as Attorney-in-fact.** To the extent **Assignor** is unavailable, unable or unwilling to execute and/or deliver any instrument described in paragraph 5, **Assignor** hereby appoints each officer of **Assignee**, and specifically appoints Brian Welborn, Senior Products & Technology Counsel, as his/her/their limited attorney in fact for the sole and limited purpose of executing each such instrument or instruments.

8. **No Challenge.** **Assignor** hereby covenants and agrees that **Assignor** will never challenge or aid the challenge by another of the validity or enforceability of the **Intellectual Property** ratified or transferred hereunder.

9. **Choice of Law.** **Assignor** hereby covenants and agrees that the laws of the State of Texas shall control the interpretation and effect of this document and without application of that state's laws concerning conflict of law.

10. **Severability.** **Assignor** and **Assignee** hereby agree that this agreement is severable in the event one or more clauses, covenants or obligations set forth in this agreement are found to be invalid or unenforceable by a court of competent jurisdiction. **Assignor** and **Assignee** hereby agree that those clauses, covenants and obligations that are not found to be invalid or unenforceable shall be enforced as if the severed clause, covenant or obligation had never existed.

11. **Legal Counsel** **ASSIGNOR** UNDERSTANDS AND ACKNOWLEDGES THAT NEITHER IN-HOUSE LEGAL COUNSEL FOR **ASSIGNEE** NOR OUTSIDE LEGAL COUNSEL REPRESENTING **ASSIGNEE** CONCERNING THIS AGREEMENT OR THE **INTELLECTUAL PROPERTY** REFERENCED IN THIS AGREEMENT, REPRESENT THE INTERESTS OF **ASSIGNOR**, OR ANY OF THEM, CONCERNING THIS AGREEMENT OR THE **INTELLECTUAL PROPERTY** REFERENCED IN THIS AGREEMENT. **ASSIGNOR** FURTHER ACKNOWLEDGES AND AGREES THAT HE/SHE/THEY HAVE HAD THE OPPORTUNITY TO CONSULT WITH LEGAL COUNSEL OF HIS/HER/THEIR OWN CHOOSING AND AT HIS/HER/THEIR OWN COST CONCERNING THE EFFECT AND PURPOSE OF THIS AGREEMENT AND THE SCOPE OF THE RIGHTS TRANSFERRED HEREUNDER, AND THAT **ASSIGNOR** VOLUNTARILY AND WITHOUT RESERVATION OF ANY KIND AGREES TO BE BOUND BY THE TERMS AND CONDITIONS STATED HEREIN.

IN WITNESS WHEREOF, **Assignor** have hereunto set his/her/their hand and seal.

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

[Signature]  
Signature

Don Q. Nguyen  
Name

11503 Springshire Dr.  
Address

Houston, TX 7066

27 Feb 15  
Date of Execution

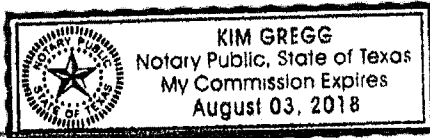
STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **DON Q. NGUYEN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 27 day of Feb, 2015.



[Signature]

[NOTARY STAMP]

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

[Signature]  
Signature

Carl E. Poteet  
Name

Address

Date of Execution

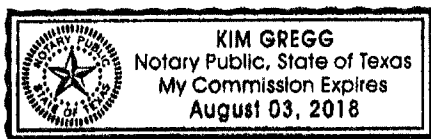
STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **CARL E. POTEET**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 25 day of March, 2015.



[Signature]

[NOTARY STAMP]

**ASSIGNOR**



Signature

John F. Bradford

Name

26 Gate Hill Drive

Address

The Woodlands, TX 77381

Date of Execution

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

STATE OF TEXAS

§

§

COUNTY OF \_\_\_\_\_

§

BEFORE ME, the undersigned authority, on this day personally appeared **JOHN F. BRADFORD**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this \_\_\_\_ day of \_\_\_\_\_, 2015.

[NOTARY STAMP]

**PATENT**

**REEL: 035260 FRAME: 0320**

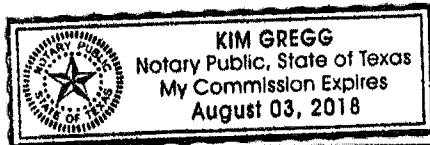
\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

Eric C. Sullivan  
Signature

Eric C. Sullivan  
Name

Address

Date of Execution



STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **ERIC C. SULLIVAN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 25 day of March, 2015.

[NOTARY STAMP]

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

Signature

John F. Bradford  
Name

26 Gate Hill Drive  
Address

The Woodlands, TX 77381

Date of Execution

STATE OF TEXAS

COUNTY OF \_\_\_\_\_

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **JOHN F. BRADFORD**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this \_\_\_\_ day of \_\_\_\_\_, 2015.

[NOTARY STAMP]



\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

Mark P. Blackman  
Signature

Mark P. Blackman  
Name

28714 Binefield Street  
Address

Spring, TX 77386

2/27/2015  
Date of Execution

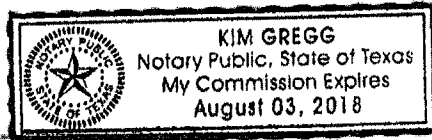
STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **MARK P. BLACKMAN**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 27 day of Feb, 2015.



[Signature]

[NOTARY STAMP]

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

Alan J. Massey  
Signature

Alan J. Massey  
Name

8103 Dorrcrest  
Address

Houston, TX 77070

2/26/15  
Date of Execution

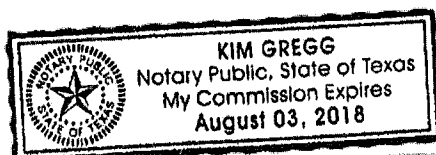
STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **ALAN J. MASSEY**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 26 day of Feb, 2015.



[Signature]

[NOTARY STAMP]

\*\*\* NOTARIZATION IS PREFERRED, BUT  
NOT REQUIRED \*\*\*

ASSIGNOR

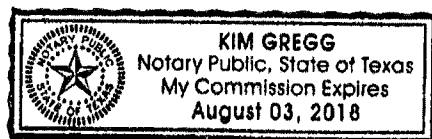
*Gregory L. Ricks*  
Signature

Gregory L. Ricks  
Name

31319 Brighton Brook Lane  
Address

Spring, TX 77386

3/25/2015  
Date of Execution



STATE OF TEXAS

COUNTY OF Montgomery

§  
§  
§

BEFORE ME, the undersigned authority, on this day personally appeared **GREGORY L. RICKS**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 25 day of March, 2015.

*[Signature]*

[NOTARY STAMP]