

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5822233

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN HERBIG	09/19/2011
HANNO RECKMANN	09/19/2011
BERNHARD MEYER-HEYE	11/09/2011
FRANK SCHUBERTH	11/08/2011
CARMEL ZOUHEIR EL HAKAM	12/22/2011
JONATHAN MACKEY HANSON	09/20/2011
REED W. SPENCER	09/16/2011
JAYESH RAMESHLAL J	09/19/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BAKER HUGHES, A GE COMPANY, LLC
<b>Street Address:</b>	17021 ALDINE WESTFIELD
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77073
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16272276
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)524-2700
<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>	860-286-2929
<b>Email:</b>	usptopatentmail@cantorcolburn.com
<b>Correspondent Name:</b>	CANTOR COLBURN LLP-BAKER HUGHES, A GE COMPANY, LLC
<b>Address Line 1:</b>	20 CHURCH STREET
<b>Address Line 2:</b>	22ND FLOOR
<b>Address Line 4:</b>	HARTFORD, CONNECTICUT 06103
<b>ATTORNEY DOCKET NUMBER:</b>	DDE4-51183USC/INT0421USC
<b>NAME OF SUBMITTER:</b>	DAVID K. KINCAID
<b>SIGNATURE:</b>	/dkk/

PATENT

DATE SIGNED:	11/15/2019
<b>Total Attachments: 10</b> source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page1.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page2.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page3.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page4.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page5.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page6.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page7.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page8.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page9.tif source=DDE4-51183-USC (INT0421USC) Assignment (from parent case)#page10.tif	

## PATENT APPLICATION ASSIGNMENT


WHEREAS, WE, Christian Herbig, a citizen of Germany, residing at Baker-Hughes-Str. 1, Celle, Germany 29221; Hanno Reckmann, a citizen of Germany, residing at Haferkamp 5, Nienhagen, Germany 29336; Bernhard Meyer-Heye, a citizen of Germany, residing at Rudolfstrasse 3, Braunschweig, Germany 38114; Frank Schuberth, a citizen of Germany, residing at Lindenallee 9, Celle, Germany 29227; Carmel Zouheir El Hakam, a citizen of the United States, residing at 3618 Emerald Falls Drive, Houston, Texas, 77059; Jonathan Mackey Hanson, a citizen of the United States, residing at 1375 South Roxbury Road, Salt Lake City, Utah, 84108; Reed W. Spencer, a citizen of the United States, residing at 2943 Smokey Forest Lane, Spring, Texas, 77386; Jayesh Rameshlal Jain, a citizen of the United States, residing at 12000 Sawmill Road Apt. 703, The Woodlands, Texas, 77380 have invented new and useful improvements in MODELING AND SIMULATION OF COMPLETE DRILL STRINGS for which we have filed as United States Patent Application 13/220,087 on August 29, 2011;

WHEREAS, Baker Hughes Incorporated, a corporation of the State of Delaware, having a correspondence address of 2929 Allen Parkway, Suite 2100, Houston, Texas 77019-2118, is desirous of acquiring our entire right, title and interest in said application and our Letters Patent which may issue thereon.

NOW, THEREFORE, it be known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, We hereby assign to said corporation, both in and for the territory of the United States of America and the entire world, all our title and interest in and to said invention, patent application and any patent which may issue thereon, including all divisions, continuations, reissues, continuations-in-part and substitutions thereof, plus all priority rights for patent applications foreign to the United States of America. We further hereby assign and transfer to said corporation whatever cause of action We may have for past or present infringement of said invention, together with the right to bring suit for any such infringement and to seek and receive damages and other relief arising from any such infringement.

WE HEREBY covenant and agree that We will at any time, upon the request of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and We authorize the Commissioner of Patents and Trademarks to issue Letters patent to said corporation.

Inventor 1

 Date: Sept. 19, 2011  
Christian Herbig

STATE OF

ss.

COUNTY OF

This 19 day of Sept., 2011 before me personally came the above-named **Christian Herbig**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

  
(Notary Public/Witness)

Inventor 2

Hanno Reckmann

**Hanno Reckmann**

Date:

Sept. 19, 2011

STATE OF

SS.

COUNTY OF

This 19 day of Sept., 2011 before me personally came the above-named **Hanno Reckmann**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

W. Emmert

(Notary Public/Witness)

Inventor 2

\_\_\_\_\_  
**Hanno Reckmann**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Hanno Reckmann**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public/Witness)

Inventor 3

B. Meyer-Heye  
**Bernhard Meyer-Heye**

Date: 11/09/11

STATE OF

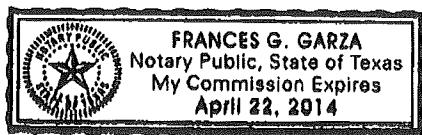
ss.

COUNTY OF

This 9th day of November, 2011 before me personally came the above-named **Bernhard Meyer-Heye**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

[Signature]  
(Notary Public/Witness)



Inventor 4

Frank Schubert

Date:

8. Nov. 2011

Frank Schubert

STATE OF

SS.

COUNTY OF

This 8th day of Nov., 2011 before me personally came the above-named **Frank Schubert**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Helen Oueslati

(Notary Public/Witness)



Inventor 5

Carmel Zouheir El Hakam Date: 12-22-2011  
Carmel Zouheir El Hakam

STATE OF

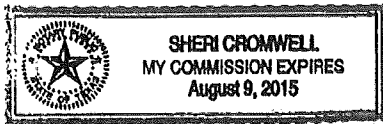
ss.

COUNTY OF

This 22<sup>nd</sup> day of December, 2011 before me personally came the above-named **Carmel Zouheir El Hakam**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Sheri Cromwell  
(Notary Public)



Inventor 6

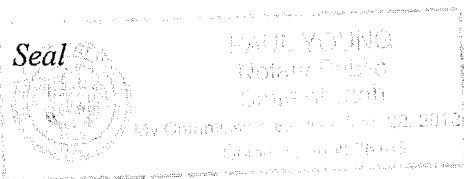
Jonathan Mackey Hanson Date: 9/20/11  
**Jonathan Mackey Hanson**

STATE OF Utah

COUNTY OF Salt Lake

ss.

This 20<sup>th</sup> day of September, 2011 before me personally came the above-named **Jonathan Mackey Hanson**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Paul Young  
(Notary Public)

Inventor 7

Reed W. Spencer Date: 9-16-2011  
Reed W. Spencer

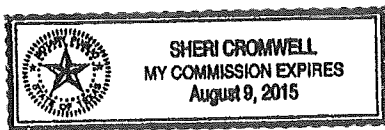
STATE OF TEXAS

SS.  
COUNTY OF MONTGOMERY

This 16<sup>th</sup> day of September, 2011 before me personally came the above-named **Reed W. Spencer**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Sheri Cromwell  
(Notary Public)



Inventor 8

*Jain*  
Jayesh Rameshlal Jain

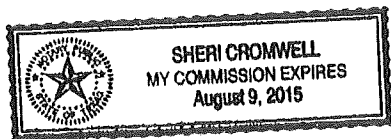
Date: 19-Sep-2011

STATE OF TEXAS

COUNTY OF MONTGOMERY SS.

This 19<sup>th</sup> day of September, \_\_\_\_\_ before me personally came the above-named **Jayesh Rameshlal Jain**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal



*Sheri Cromwell*  
(Notary Public)