

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christian Herbig</td> <td>09/19/2011</td> </tr> <tr> <td>Hanno Reckmann</td> <td>09/19/2011</td> </tr> <tr> <td>Bernhard Meyer-Heye</td> <td>11/09/2011</td> </tr> <tr> <td>Frank Schuberth</td> <td>11/08/2011</td> </tr> <tr> <td>Carmel Zouheir El Hakam</td> <td>12/22/2011</td> </tr> <tr> <td>Jonathan Mackey Hanson</td> <td>09/20/2011</td> </tr> <tr> <td>Reed W. Spencer</td> <td>09/16/2011</td> </tr> <tr> <td>Jayesh Rameshlal Jain</td> <td>09/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	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 Jain	09/19/2011
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Reed W. Spencer	09/16/2011																		
Jayesh Rameshlal Jain	09/19/2011																		
RECEIVING PARTY DATA																			
Name:	Baker Hughes Incorporated																		
Street Address:	2929 Allen Parkway																		
Internal Address:	Suite 2100																		
City:	Houston																		
State/Country:	TEXAS																		
Postal Code:	77019-2118																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13220087</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13220087														
Property Type	Number																		
Application Number:	13220087																		
CORRESPONDENCE DATA																			
Fax Number:	(860)286-0115																		
Phone:	860-286-2929																		
Email:	usptopatentmail@cantorcolburn.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	CANTOR COLBURN LLP- BAKER HUGHES INCORPO																		
Address Line 1:	20 Church Street																		
Address Line 2:	22nd Floor																		

OP \$40.00 13220087

Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:

DDE4-51183-US/INT0421US

NAME OF SUBMITTER:

Thomas J. Ryan

Total Attachments: 16

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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 Date: Sept. 19, 2011
Hanno Reckmann

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 3

_____ Date: _____

Bernhard Meyer-Heye

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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

(Notary Public/Witness)

Inventor 4

Frank Schubert

Date: 9. Nov. 2011

Frank Schubert

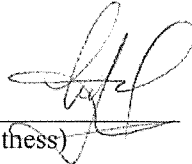
STATE OF

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

STATE OF

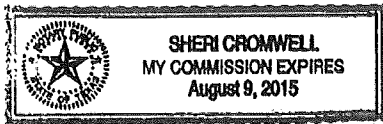
ss.

COUNTY OF

This 22nd 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)



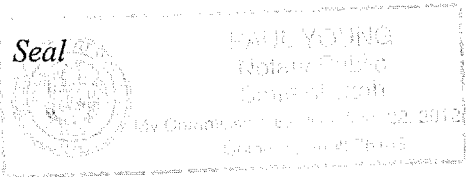
Inventor 6

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

STATE OF Utah
COUNTY OF Salt Lake

ss.

This 20th 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

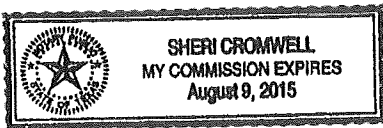
ss.

COUNTY OF MONTGOMERY

This 16th 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
Date: 19-Sep-2011
Jayesh Rameshlal Jain

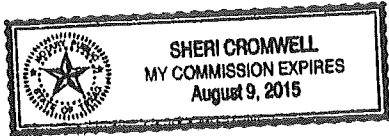
STATE OF TEXAS

COUNTY OF MONTGOMERY SS.

This 19th 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)



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Inventor 1

_____ Date: _____
Christian Herbig

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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

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

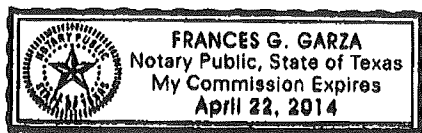
ss.

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

_____ Date: _____
Frank Schuberth

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named **Frank Schuberth**, 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 5

_____ Date: _____
Carmel Zouheir El Hakam

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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

(Notary Public)

Inventor 6

_____ Date: _____
Jonathan Mackey Hanson

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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.

Seal

(Notary Public)

Inventor 7

_____ Date: _____
Reed W. Spencer

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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

(Notary Public)

Inventor 8

_____ Date: _____
Jayesh Rameshlal Jain

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ 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

(Notary Public)