

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3224417

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARK E. WOLF	02/02/2015
TARIQ AHMED	08/10/2012
GARETH DAVID THOMAS	02/02/2015
RECEIVING PARTY DATA	
Name:	National Oilwell Varco, L.P.
Street Address:	7909 Parkwood Circle Drive
City:	Houston
State/Country:	TEXAS
Postal Code:	77036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14420326
CORRESPONDENCE DATA	
Fax Number:	(212)294-4700
<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>	
Phone:	2122946635
Email:	dkumar@winston.com
Correspondent Name:	WINSTON & STRAWN LLP- RUDEINA A. BAASIRI
Address Line 1:	1700 K STREET N.W.
Address Line 2:	PATENT DEPARTMENT
Address Line 4:	WASHINGTON, D.C. 200063817
ATTORNEY DOCKET NUMBER:	170023-14000
NAME OF SUBMITTER:	RUDEINA A. BAASIRI
SIGNATURE:	/Rudeina A. Baasiri/
DATE SIGNED:	02/12/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 7	
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DECLARATION OF INVENTORSHIP AND ASSIGNMENT

WHEREAS, Mark E. WOLF, Tariq AHMED and Gareth David THOMAS, the ASSIGNOR or each of which is an ASSIGNOR, hereby declares that:

(a) I have reviewed and understand the contents of the application described herein, including the claims. I believe that I am the original inventor or an original joint inventor of an invention claimed in **WELLBORE DESANDING SYSTEM**, for which an application for a Patent of the United States, identified by Winston & Strawn LLP Docket No. 170023-14000, was filed on February 6, 2015 as Application No. 14/420,326, which is a 371 filing of PCT/US13/53871 filed August 6, 2013, which claims the benefit of U.S. application no. 61/680,090 filed August 6, 2012.

(b) This application was made or authorized to be made by me.

(c) My legal name, citizenship and personal or employment mailing address appears below in the box which contains my signature.

(d) I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

(e) If applicable, I hereby grant the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO) and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application as filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application. Also, in accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

(f) Any claim for priority to an earlier filed US or foreign application appears in an Application Data Sheet which is or will be submitted into the file of the above-identified application.

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

WHEREAS, NATIONAL OILWELL VARCO, L.P., having a place of business at having a place of business at 7909 Parkwood Circle Drive, Houston, Texas 77036, ASSIGNEE,

has obtained by employment or other agreement, or is desirous of obtaining each inventor's entire right, title and interest in, to and under the said invention, the said application and corresponding applications worldwide.

NOW, THEREFORE, in exchange for good and valuable consideration to each inventor, the receipt and sufficiency of which is hereby acknowledged, each ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including any United States provisional or non-provisional application embodying the invention or any other United States application claiming priority to a provisional application under 35 U.S.C. § 119(e) or converted therefrom, or to any application claiming the benefit of a non-provisional application under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and, if applicable, all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and, if applicable, any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest previously or herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or its successors, legal

representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE or its patent attorneys to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

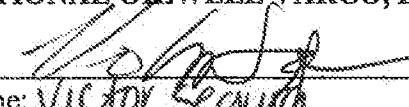
201	LEGAL NAME OF SOLE OR JOINT INVENTOR	FAMILY NAME OR SURNAME WOLF	GIVEN FIRST NAME Mark	GIVEN MIDDLE NAME E.
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY Katy	STATE OR COUNTRY Texas	COUNTRY OF CITIZENSHIP United States
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET 1911 Hartglen Circle		
		CITY Katy	STATE OR COUNTRY Texas	POSTAL CODE 77450
SIGNATURE OF INVENTOR 201 Mark E. Wolf				DATE 2/2/2015
202	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME AHMED	GIVEN FIRST NAME Tariq	GIVEN MIDDLE NAME
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY Houston	STATE OR COUNTRY Texas	COUNTRY OF CITIZENSHIP United States
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET 1255 Eldridge Pkwy		
		CITY Houston	STATE OR COUNTRY Texas	POSTAL CODE 77077
SIGNATURE OF INVENTOR 202 Tariq Ahmed				DATE

☒ Additional Inventors are being named on the following () pages of Supplemental Sheet(s) attached hereto.

THE FOREGOING ASSIGNMENT IS AGREED TO AND ACCEPTED BY:

NATIONAL OILWELL VARCO, L.P.

11 February 2015
Date


Name: **VICTOR SEGURA**
Position or Title: **Assistant Secretary**

SUPPLEMENTAL SHEET FOR DECLARATION

203	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME THOMAS	GIVEN FIRST NAME Gareth	GIVEN MIDDLE NAME David
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY Hollingworth	STATE OR COUNTRY United Kingdom	COUNTRY OF CITIZENSHIP GB
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET 38 Green Lane		
		CITY Hollingworth, Cheshire	STATE OR COUNTRY United Kingdom	POSTAL CODE SK14 8JG
SIGNATURE OF INVENTOR 203 <i>David Gareth Thomas</i>				DATE <i>2/2/2015</i>
204	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME	GIVEN FIRST NAME	GIVEN MIDDLE NAME
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET		
		CITY	STATE OR COUNTRY	POSTAL CODE
SIGNATURE OF INVENTOR 204				DATE
205	LEGAL NAME OF JOINT INVENTOR	FAMILY NAME OR SURNAME	GIVEN FIRST NAME	GIVEN MIDDLE NAME
	RESIDENCE & CITIZENSHIP OF INVENTOR	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
	MAILING OR EMPLOYMENT ADDRESS OF INVENTOR	STREET		
		CITY	STATE OR COUNTRY	POSTAL CODE
SIGNATURE OF INVENTOR 205				DATE

ASSIGNMENT

WHEREAS, each of

Mark E. Wolf, a citizen of the United States of America,
residing at 1911 Hartglen Circle, Katy, Texas 77450

Tariq Ahmed, a citizen of Canada, residing at
1255 Eldridge Pkwy, Houston Texas 77077

an ASSIGNOR, is an inventor of the invention in **WELLBORE DESANDING SYSTEM** for which an application for a Patent of the United States, identified by Winston & Strawn LLP Docket No. **170023-14000**

☐ is executed on even date herewith.
☒ was filed on 08-06-2012 as Application No. 61/680,090.

WHEREAS, **NATIONAL OILWELL VARCO, L.P.**, having a place of business at 7909 Parkwood Circle Drive, Houston, Texas 77036, ASSIGNEE, is desirous of obtaining each inventor's entire right, title and interest in, to and under the said invention, the said application and corresponding applications worldwide.

→ NOW, THEREFORE, in exchange for good and valuable consideration to each inventor, the receipt and sufficiency of which is hereby acknowledged, each ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including any United States provisional or non-provisional application embodying the invention or any other United States application claiming priority to a provisional application under 35 U.S.C. § 119(e) or converted therefrom, or to any application claiming the benefit of a non-provisional application under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which

Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

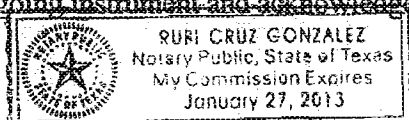
In witness whereof, each inventor has affixed his or her signature.

Aug. 6, 2012
Date

Mark E. Wolf
Mark E. Wolf

STATE OF TEXAS)
COUNTY OF HARRIS)

On this 06 day of August, 2012, before me, a Notary Public, personally appeared **Mark E. Wolf**, to me known and known to me to be the person of that name, who signed the foregoing instrument and acknowledged the same to be his/her free act and deed.



January 27, 2013
My Commission Expires

[Signature]
Notary Public

August 10, 2012
Date

Tariq Ahmed
Tariq Ahmed

STATE OF TEXAS)
COUNTY OF HARRIS)

On this 10 day of August, 2012, before me, a Notary Public, personally appeared Tariq Ahmed to me known and known to me to be the person of that name, who signed the foregoing instrument and acknowledged the same to be his/her free act and deed.

March 13, 2015
My Commission Expires

Veronica E. Alvarez
Notary Public

