

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3545835

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
COUPLER DEVELOPMENTS LIMITED	07/10/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL OILWELL VARCO, L.P.
<b>Street Address:</b>	7909 PARKWOOD CIRCLE DR
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77036
<b>PROPERTY NUMBERS Total: 10</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7726418
Patent Number:	6315051
Patent Number:	6688394
Patent Number:	6739397
Patent Number:	7322418
Patent Number:	6591916
Patent Number:	7252151
Patent Number:	7188683
Patent Number:	7252161
Patent Number:	7395855
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	7133753911
<b>Email:</b>	kristi.johnson@nov.com
<b>Correspondent Name:</b>	KRISTI JOHNSON
<b>Address Line 1:</b>	7909 PARKWOOD CIRCLE DR
<b>Address Line 4:</b>	HOUSTON, TEXAS 77036
<b>NAME OF SUBMITTER:</b>	KRISTI JOHNSON

<b>SIGNATURE:</b>	/Kristi Johnson/
<b>DATE SIGNED:</b>	09/28/2015
<b>Total Attachments: 3</b> source=Coupler Development to NOVLP 20150710#page1.tif source=Coupler Development to NOVLP 20150710#page2.tif source=Coupler Development to NOVLP 20150710#page3.tif	

## INTELLECTUAL PROPERTY ASSIGNMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is made and entered this 10<sup>th</sup> day of July 2015 ("Effective Date") by and between **Coupler Developments Limited** (Company No. 007882V) a company registered in the Isle of Man having its registered office at 50 Athol Street, Douglas, Isle of Man, IM1 1JB ("Assignor") and **National Oilwell Varco, L.P.**, a Delaware limited partnership having its office at 7909 Parkwood Circle Drive, Houston, Texas, USA ("Assignee").

WHEREAS, Assignor is the owner of the Patent Rights identified herein.

WHEREAS, Assignor desires to assign all of its rights, title and interest in and to said Patent Rights to Assignee and Assignee desires to acquire said Patent Rights.

NOW, THEREFORE, for good and valuable consideration, the receipt and legal sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer, convey, and set over to Assignee, its successors and assigns, all rights, title, and interest in and to the Patent Rights, together with the goodwill of Assignor's business in connection therewith, and the full right to sue for past, present or future infringement of any of such Patent Rights, and possession and worldwide use of all the following Patent Rights currently owned or used by Assignor, these rights to be held and enjoyed by Assignee, its successors and assigns, as fully as the same would have been held and enjoyed by the Assignor had this assignment not been made, including but not limited to, all registration rights with respect to the Patent Rights, and the right of claiming for itself the priority of filing of applications for the registration of the Patent Rights in other countries, in accordance with the International Paris Convention, and any other applicable convention and/or treaty.

The patents, patent applications, and technology disclosed and/or claimed in the patents, and all other applications, patents, and inventions conceived or reduced to practice, whether or not said inventions are yet described in a patent application or issued patent that claim priority or relate to improvements or modifications of the technology disclosed and/or claimed in the patents listed in Appendix "A" incorporated herein (collectively the "Patent Rights").

Assignor hereby authorizes and directs the appropriate governmental officials to record this Assignment and any information relating thereto upon the request of Assignee, and to issue any and all such patent 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.

Assignor covenants and agrees, for itself, its directors, officers, employees, and subcontractors, to execute and deliver without further consideration, 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 counsel for Assignee, may be required or necessary to more effectively secure and vest in Assignee, its successors, and permitted assigns the rights transferred hereunder, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, counterpart, reexamination, or any resulting patent, extension, or related property right relating to the Patent Rights transferred hereunder.

Assignor further agrees that Assignor's director, officers, or principals will upon request communicate to the Assignee, any facts relating to the aforesaid inventions known to it, and will testify as to the same in any interference, litigation, mediation, arbitration, or other proceeding

**INTELLECTUAL PROPERTY ASSIGNMENT**  
**Appendix A**

when requested to do so, with travel costs and expenses to be paid per preapproval by Assignee. Assignor represents and warrants that it has full authority to execute this Assignment and that the rights granted in the Patent Rights are free and clear of any encumbrances to the best of Assignor's knowledge. Assignor represents and warrants that it will have no remaining Patent Rights relating to the Continuous Circulation System after the Effective Date.

This Assignment and performance hereunder shall be governed by and construed in accordance with the laws of the State of Texas without giving effect to any choice or conflict of law provisions. Any and all proceedings relating to the subject matter hereof shall be maintained in the courts of the State of Texas or the federal district courts sitting in Texas, which courts shall have exclusive jurisdiction for such purpose. If any provision of this Assignment shall be held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall in no way be affected or impaired thereby. All amendments and other modifications hereof shall be in writing and signed by the parties hereto. The failure of either party to exercise in any respect any right provided for herein shall not be deemed a waiver of any right hereunder.

IN WITNESS WHEREOF, Assignor has hereunto set its hand.

**COUPLER DEVELOPMENTS LIMITED**



Ian Miller, Director

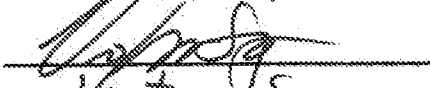
Isle of Man **JERSEY**  
**ST. HELIER**

§  
§

This instrument was acknowledged before me on this 10th day of July, 2015, by Ian Miller on behalf of Coupler Developments Limited.

Notary Public

**NATIONAL OILWELL VARCO, L.P.**  
by its general partner  
NOW Oilfield Services, Inc.


  
Victor Segura  
(Name in Print)

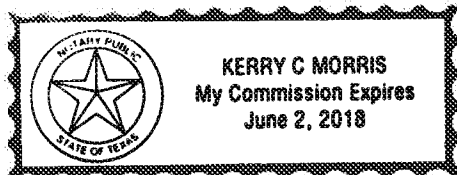
State of Texas

§  
§

**ROBERT HARMAN**  
**NOTARY PUBLIC**  
4th FLOOR, St. PAUL'S GATE,  
22 - 24 NEW STREET, St HELIER,  
JERSEY JE1 4TR  
Tel: 01534 766077  
Email: Robert.harman@notary.je

This instrument was acknowledged before me on this 10th day of July, 2015, by Victor Segura on behalf of National Oilwell Varco, L.P.

  
Notary Public



# INTELLECTUAL PROPERTY ASSIGNMENT

## Appendix A

Reference No.	Patent / Application No.	Country / Office
593-PCT-EP	1660753	EPO
593-PCT-NO	20061204	NO
593-PCT-US	7726418	US
AYLING,001-PCT-AU	732227	AU
AYLING,001-PCT-BR	PI9712521-0	BR
AYLING,001-PCT-CA	2267426	CA
AYLING,001-PCT-CA-DIV1	2550981	CA
AYLING,001-PCT-EP-NL	0932745	NL
AYLING,001-PCT-EP-UK	0932745	UK
AYLING,001-PCT-MX	235232	MX
AYLING,001-PCT-NO	316809	NO
AYLING,001-PCT-US	6315051	US
AYLING,001-PCT-US-CIP1	6688394	US
AYLING,001-PCT-US-CONT1	6739397	US
AYLING,001-PCT-US-CONT2	7322418	US
AYLING,002-PCT-AU	759454	AU
AYLING,002-PCT-BR	PI9914774-2	BR
AYLING,002-PCT-CA	2346880	CA
AYLING,002-PCT-EP-NL	1121508	NL
AYLING,002-PCT-EP-UK	1121508	UK
AYLING,002-PCT-MX	237027	MX
AYLING,002-PCT-NO	317821	NO
AYLING,002-PCT-US	6591916	US
AYLING,002-PCT-US-CONT1	7252151	US
AYLING,002-PCT-US-CONT2	7188683	US
AYLING,003-PCT-NO	335857	NO
AYLING,009-PCT-UK	2397082	UK
AYLING,009-PCT-US	7252161	US
AYLING,010-PCT-CA	2481218	CA
AYLING,010-PCT-EP-DT	60312666	DE
AYLING,010-PCT-EP-FR	1492937	FR
AYLING,010-PCT-EP-NL	1492937	NL
AYLING,010-PCT-EP-UK	1492937	UK
AYLING,010-PCT-US	7395855	US