

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3705796

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GRANT PRIDECO, INC.	11/11/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NOV NORTH AMERICA I/P, LLC	
<b>Street Address:</b>	7909 PARKWOOD CIRCLE DRIVE	
<b>City:</b>	HOUSTON	
<b>State/Country:</b>	TEXAS	
<b>Postal Code:</b>	77036	
<b>PROPERTY NUMBERS Total: 14</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	5791780	
Patent Number:	6058793	
Patent Number:	6435832	
Patent Number:	6883960	
Patent Number:	8220986	
Patent Number:	6523995	
Patent Number:	6467949	
Application Number:	13918106	
Application Number:	14718860	
Patent Number:	7011102	
Patent Number:	7500489	
Application Number:	11548653	
Patent Number:	9057204	
PCT Number:	US2015036198	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(713)223-3717	
<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>	7132261200	
<b>Email:</b>	rljackson@lockelord.com	

<b>Correspondent Name:</b>	LOCKE LORD LLP
<b>Address Line 1:</b>	600 TRAVIS
<b>Address Line 2:</b>	SUITE 2800
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002-3095

<b>ATTORNEY DOCKET NUMBER:</b>	015379-129
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<b>NAME OF SUBMITTER:</b>	ROBERT JACKSON
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<b>SIGNATURE:</b>	/Robert Jackson/
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<b>DATE SIGNED:</b>	01/21/2016
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**Total Attachments: 7**

source=0015379-129 Grant Prideco to NOV North America#page1.tif  
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source=0015379-129 Grant Prideco to NOV North America#page7.tif

## **ASSIGNMENT OF PATENTS AND RELATED INTELLECTUAL PROPERTY**

This Assignment of Patents and Related Intellectual Property (this "Assignment") is made and entered into as of November 11, 2015, by and between Grant Prideco, Inc., a Delaware corporation, having an address of 7909 Parkwood Circle Dr., Houston, Texas ("Assignor"), and NOV North America I/P, LLC, a Delaware limited liability company, having an address of 7909 Parkwood Circle Dr., Houston, Texas ("Assignee"). Assignor and Assignee are sometimes referred to in this Assignment individually as a "Party" and collectively as the "Parties."

WHEREAS, Assignor is the sole owner of the right, title, and interest in and to certain new and useful methods, devices, and/or systems that are disclosed and/or claimed in the following patents and applications shown in Exhibit A, and all related patents and applications throughout the world claiming priority thereto, collectively hereafter "Patents";

WHEREAS, Assignee is desirous of acquiring the entire and exclusive right, title and interest in and to, and possession of, the subject matter disclosed and claimed in the Patents, including any tangible materials, know-how and trade secrets related thereto (hereafter, collectively, the "Invention"); and the entire and exclusive right, title, interest in and to, and possession of, the Patents, including rights to claim priority thereto, and to all related pending and future United States and/or foreign applications disclosing or claiming the Invention 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, and to all patents or other related property rights that may be issued or granted thereon anywhere in the world (hereafter, collectively, the "Intellectual Property");

WHEREAS in accordance with that certain Contribution Agreement, dated as of even date hereof, Assignor agrees to assign and otherwise transfer all its rights in the Intellectual Property to the Assignee and is assigning and otherwise transferring such rights contemporaneously herewith;

WHEREAS, the Parties wish to memorialize for recordation purposes such transfer and otherwise ratify such transfer of the Intellectual Property.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor ratifies any previous assignment, transfer or conveyance, and, to the extent not already done so, does hereby assign, transfer and convey, to Assignee, its successors and assigns, all of its right, title and interest in and to, and possession and use of, the aforesaid Intellectual Property, throughout the world, including without limitation, the right to file and prosecute applications for patent in the name of Assignee and/or Assignor; all income, royalties, damages and payments now or hereafter due or payable with respect to any patent or other right that is based on the Intellectual Property; and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned hereunder, as fully and entirely as the same would have been held and enjoyed by Assignor if this transfer and assignment had not been made.

Assignor hereby authorizes and requests the appropriate governmental officials to issue  
[Step #16aiib]

any and all such United States or foreign country 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 hereby represents, warrants and covenants that it has full right to convey the interest herein assigned, that it has not executed and will not execute any agreement, instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right.

Assignor further covenants and agrees that Assignor will at any time upon request make, execute and deliver without further compensation, but at the expense of the Assignee, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for 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 Intellectual Property, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, counterpart, renewal, reexamination, substitute or extension of said Patents or any resulting patent or related property right.

Assignor further 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 Patents, Invention, and Intellectual Property known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so at Assignee's expense.

This Assignment is binding upon and inures to the benefit of the Parties hereto, and their permitted successors in interest and assigns.

This Assignment shall be governed by the laws of the State of Texas (regardless of the laws that might otherwise govern under applicable principles of conflicts of law) as to all matters, including, but not limited to, matters of validity, construction, effect, performance and remedies.

This Assignment may be amended or modified only by a written instrument executed by the Parties hereto.

This Assignment may be executed in any number of counterparts, and each counterpart hereof shall be deemed to be an original instrument, and all such counterparts shall constitute one agreement. A manual signature on this Assignment, an image of which shall be transmitted electronically, shall constitute an original signature for all purposes. The delivery of copies of this Assignment, including executed signature pages by electronic transmission, will constitute effective delivery.

[Signature Page Follows]

[Step #16aiiib]

IN WITNESS WHEREOF, Assignor and Assignee have hereunto set their hand and seal by their duly authorized representative.

**ASSIGNOR:**

GRANT PRIDECO, INC.  
a Delaware corporation

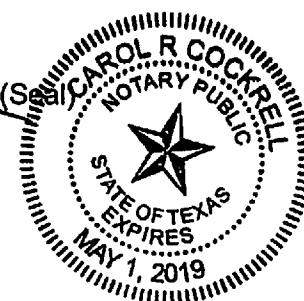
By: Trevor B. Martin  
Name: Trevor B. Martin  
Title: Vice President

STATE OF TEXAS           )  
                                      )  
COUNTY OF HARRIS       )

ss.

On November 11, 2016 before me, the undersigned Notary Public in and for said State, personally appeared Trevor B. Martin, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Carol R. Cockrell (Seal)  


**ASSIGNEE:**

NOV NORTH AMERICA I/P, LLC,  
a Delaware limited liability company

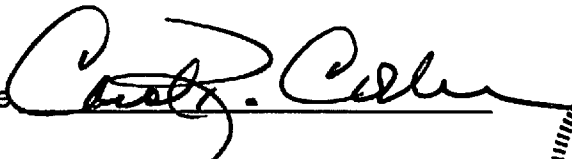
By:   
Name: Trevor B. Martin  
Title: Vice President

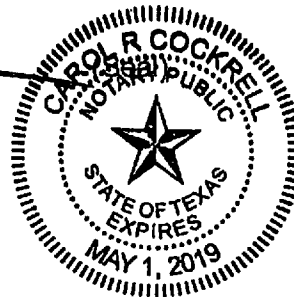
STATE OF TEXAS                    )  
  )  
COUNTY OF HARRIS\_            )

SS.

On November 11, 2015, before me, the undersigned Notary Public in and for said State, personally appeared Trevor B. Martin, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 



## Exhibit A

### Patents

Country Name	Title	Serial #	Filed Date	Patent #	Issue Date
BELGIUM	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	0880993	9/17/2003
CANADA	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	2235045	4/15/1998	2235045	11/5/2002
GERMANY	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	69818146.8	9/17/2003
EUROPEAN PATENT CONVENT	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	0880993	9/17/2003
UNITED KINGDOM	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	0880993	9/17/2003
HONG KONG	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	99101842.0	4/27/1999	1016914	5/7/2004
ITALY	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	0880993	9/17/2003
MEXICO	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	9803380	4/29/1998	206539	2/8/2002
NETHERLANDS	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	98107158.2	4/20/1998	0880993	9/17/2003
UNITED STATES	IMPELLER ASSEMBLY WITH ASYMMETRIC CONCAVE BLADES	08/846,334	4/30/1997	5,791,780	8/11/1998
UNITED STATES	PARALLEL SHAFT SPEED REDUCER	09/233,410	1/19/1999	6,058,793	5/9/2000
UNITED STATES	HUB ASSEMBLY	09/559,772	4/27/2000	6,435,832	8/20/2002
BELGIUM	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	1305108	5/4/2005
CANADA	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	2417273	7/18/2001	2417273	10/10/2006
CHINA	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01813732.6	7/18/2001	01813732.6	7/13/2005
GERMANY	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	60110602.4	
EUROPEAN PATENT CONVENT	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	1305108	5/4/2005
FRANCE	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	1305108	5/4/2005
UNITED KINGDOM	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	1305108	
HONG KONG	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	03104576.1	7/18/2001	1052891	6/24/2005

ITALY	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	280688E	5/4/2005
MEXICO	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	03/000989	7/18/2001	236052	4/20/2006
NETHERLANDS	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	01959018.1	7/18/2001	1305108	5/4/2005
UNITED STATES	STATIC MIXER ELEMENT AND METHOD FOR MIXING TWO FLUIDS	09/630,397	8/2/2000	6,467,949	10/22/2002
AUSTRALIA	IN-TANK MIXING SYSTEM AND ASSOCIATED RADIAL IMPELLER	10011/02	1/2/2002	767033	2/12/2004
CANADA	IN-TANK MIXING SYSTEM AND ASSOCIATED RADIAL IMPELLER	2366795	1/8/2002	2366795	6/14/2005
CHILE	IN-TANK MIXING SYSTEM AND ASSOCIATED RADIAL IMPELLER	3175-2001	12/26/2001	47951	10/28/2011
UNITED STATES	IN-TANK MIXING SYSTEM AND ASSOCIATED RADIAL IMPELLER	09/816,580	3/23/2001	6,523,995	2/25/2003
MEXICO	MIXING ARRANGEMENT FOR TANKS	2003/010551	5/16/2002	236667	5/8/2006
UNITED STATES	MIXING ARRANGEMENT FOR TANKS	10/147,935	5/17/2002	6,883,960	4/26/2005
UNITED STATES	HIGH EFFICIENCY MIXER-IMPELLER	12/274,064	11/19/2008	8,220,986	7/17/2012
CANADA	STATIC MIXER	2874466	6/14/2013		
CHINA	STATIC MIXER	201380031346.1	6/14/2013		
EUROPEAN PATENT CONVENT	STATIC MIXER	13732771.4	6/14/2013		
SOUTH KOREA	STATIC MIXER	10-2015-7000903	6/14/2013		
UNITED STATES	STATIC MIXER	13/918,106	6/14/2013		
UNITED STATES	DUAL-DIRECTION MIXING IMPELLER	14/718,860	5/21/2015		

Country	Serial No.	File Date	Patent No.	Issue Date	Patent Title
US	10/641808	15-Aug-03	7011102		AMERON - Contained Pipeline System with Brine Filled Interstitial Space and Method for Detecting Leakage in Same
US	11/136737	20-May-05	7500489	10-Mar-09	AMERON - Contained Pipeline System with Brine Filled Interstitial Space and Method for Detecting Leakage in Same
EP	06114284.0	19-May-06			AMERON - Contained Pipeline System with Fluid Filled Interstitial Space and Method for Detecting Leakage in Same
US	11/548653				AMERON - Fiber Reinforced Resin Polymer Mortar Pole
US	13/029921	11-Oct-06	9057204	16-Jun-15	AMERON - Fiber Reinforced Resin Polymer Mortar Pole
MX	MX/A/07/012617	11-Oct-07		07-Feb-12	AMERON - Fiber Reinforced Resin Polymer Mortar Pole
CA	2606398				AMERON - Fiber Reinforced Resin Polymer Mortar Pole



Country	Serial No.	File Date	Patent No.	Issue Date	Patent Title
EP	14172304.9				AMERON - Fiber Reinforced Resin Polymer Mortar Pole
EP	07118316.4	11-Oct-07	1911911	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
IE	07118316.4	11-Oct-07	1911911	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
ES	07118316.4	11-Oct-07	1911911	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
GB	07118316.4	11-Oct-07	1911911	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
FR	07118316.4	11-Oct-07	1911911	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
DE	07118316.4	11-Oct-07	602007037303.4	25-Jun-14	Fiber Reinforced Resin Polymer Mortar Pole
MX			MX/a/2012/001634	2/7/2012	FIBER REINFORCED RESIN POLYMER MORTAR POLE
PCT	PCT/US2015/036198	17-Jun-15			Fire Resistant Composite Flange Covers and Methods for Making Same