502771859 04/17/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KHOI TRINH	04/17/2014
RAHUL PATEL	04/17/2014

RECEIVING PARTY DATA

Name:	NATIONAL OILWELL VARCO, L.P.
Street Address:	7909 Parkwood Circle Dr.
City:	Houston
State/Country:	TEXAS
Postal Code:	77036

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14242325

CORRESPONDENCE DATA

Fax Number: (713)226-6215

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 7132266000

Email: patmail@porterhedges.com **Correspondent Name:** DEREK V. FORINASH

Address Line 1: P.O. BOX 4078

Address Line 2: PORTER HEDGES, LLP
Address Line 4: HOUSTON, TEXAS 77521

ATTORNEY DOCKET NUMBER:	012436-2800
NAME OF SUBMITTER:	DEREK V. FORINASH
SIGNATURE:	/Derek V. Forinash/
DATE SIGNED:	04/17/2014

Total Attachments: 4

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> PATENT REEL: 032698 FRAME: 0196

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION including my employment by NATIONAL OILWELL VARCO L.P., the receipt and sufficiency of which is hereby acknowledged, NORRIE, Alan Grant; TRINH, Khoi; and PATEL, Rahul ("ASSIGNORS"), having made an invention in "FRANGIBLE CORE BARREL" while in the employ either as an employee or consultant of NATIONAL OILWELL VARCO L.P., a corporation doing business at 7909 Parkwood Circle Drive, Houston, Texas 77036 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in "FRANGIBLE CORE BARREL";
- 2. United States of America Patent Application Serial No. 14/242,325, filed April 1, 2014, entitled "FRANGIBLE CORE BARREL";
- 3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or any other place anywhere in the world;
- 4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
- 5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
- 6. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;
- 7. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
- 8. All international rights of priority associated with said invention, applications, patents, and like protection;

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and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED on the date indicated below, opposite our signatures.

	ASSIGNOR
Date:	NORRIE, Alan Grant
THE STATE OF	_
BEFORE ME, the undersigned a	authority, on this day personally appeared NORRIE,
Alan Grant, known to me to be the	ne person whose name is subscribed to the foregoing
instrument, and acknowledged to me consideration therein expressed.	that he executed the same for the purposes and
GIVEN UNDER MY HAND ANI, 2014.	ND SEAL OF OFFICE, this the day of
[SEAL]	Notary Public in and for the State of
My Commission Expires:	
*	******
*	*****

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EXECUTED on the date indicated h	below, opposite our signatures.
	ASSIGNOR
Date: <u>04 ~ 17 ~ 2014</u>	TRINH, Khoi
THE STATE OF TEXAS	§
COUNTY OF MEATURE OF	
BEFORE ME, the undersigned auth	thority, on this day personally appeared TRINH, Khoi,
	name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the expressed.	the same for the purposes and consideration therein
GIVEN UNDER MY HAND AND April	O SEAL OF OFFICE, this the day of
[SEAL] CHRISTINA HOANG MY COMMISSION EXPIRES May 23, 2018	Notary Public in and for the State of <u>Texas</u>
My Commission Expires:	
May 23, 2018	
**	******

Attorney Docket No. 012436-2800 NOV: 60,3684

EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: 04 - 11 - 2014	R. (1.1.)
	PATEL, Rahul
THE STATE OF TEXES §	
COUNTY OF Harris 8	

BEFORE ME, the undersigned authority, on this day personally appeared PATEL, Rahul, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN	UNDER MY HAND AND SEA	L OF OFFICE, this the	day of
April	, 2014.		
(SEAL)	CHRISTINA HOANG MY COMMISSION EXPIRES May 23, 2018	Notary Public in and for the State of Texas	

My Commission Expires:

May 23, 2018
