

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Duke VanLue	11/22/2011
RECEIVING PARTY DATA	
Name:	Boss Hog Oil Tools LLC
Street Address:	7451 Breen Dr.
City:	Houston
State/Country:	TEXAS
Postal Code:	77086
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13592013
CORRESPONDENCE DATA	
Fax Number:	
Phone:	713-226-6000
Email:	patmail@porterhedges.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:	Jonathan M. Pierce Porter Hedges LLP
Address Line 1:	P. O. Box 4078
Address Line 4:	Houston, TEXAS 77210-4078
ATTORNEY DOCKET NUMBER:	012010-0501
NAME OF SUBMITTER:	Jonathan M. Pierce
Total Attachments: 2 source=DHAssignment#page1.tif source=DHAssignment#page2.tif	

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ASSIGNMENT

In exchange for valuable consideration provided to me by Boss Hog Oil Tools LLC, 7451 Breen Dr., Houston, Texas 77086, the receipt and sufficiency of which are hereby acknowledged, I, Mr. Duke VanLue, having conceived of inventions in a *Frac Plug*, a *Helical Sealing Member*, a *Round Thread Profile*, and a *Frac Plug with Helical Sealing Member and Round Thread Profile*, while in the employ either as an employee or consultant of Boss Hog Oil Tools LLC (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL, TRANSFER, and CONVEY to ASSIGNEE, its successors and assigns, my entire right, title and interest throughout the world in and to:

1. Said inventions in a *Frac Plug*, a *Helical Sealing Member*, a *Round Thread Profile*, and a *Frac Plug with Helical Sealing Member and Round Thread Profile*;

2. United States of America provisional patent application Serial No. 61/526,217, filed on August 22, 2011, entitled *Frac Plug* (Attorney's Docket No. 012010-0100);

3. United States of America provisional patent application Serial No. 61/558,207, filed on November 10, 2011, entitled *Frac Plug with Helical Sealing Member and Round Thread Profile* (Attorney's Docket No. 012010-0101);

4. All applications and patents worldwide on said inventions and/or claiming priority, directly or indirectly, in whole or in part, to or from one or both of the foregoing provisional applications, including but not limited to all United States non-provisional applications, Patent Cooperation Treaty applications, and national phase entries therefrom;

5. All applications for patent or like protection on said inventions that have now been or may in the future be made by me or my legal representatives, including all utility applications, substitutions for and divisionals, continuations, continuations-in-part, renewals, reissues, re-examinations, requests for continued examination, extensions, and the like of said applications and patents and like protection, including without limitation, those obtained or permissible under past, present and future laws and statutes, whether in the United States of America or any other place anywhere in the world;

6. All causes of action, rights of action, and damages on account of past, present and future unauthorized use of said inventions 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 inventions in any country or jurisdiction in the world; and

8. All international rights of priority associated with said inventions, applications, patents and like protection.

ASSIGNOR covenants, represents, and warrants that I, and my 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.

ASSIGNOR covenants, represents, and warrants that: I have disclosed the best mode known to me of making and using said inventions; I know of no documents, disclosures, uses, or other prior art that would prevent patenting said inventions; I am the original, true, and sole inventor of said inventions; the right, title, and interest herein assigned, sold, transferred, and conveyed by me is free and clear of any encumbrance; and I have the full right to convey the same as herein expressed.

EXECUTED on the date indicated below, opposite my signature.

ASSIGNOR:

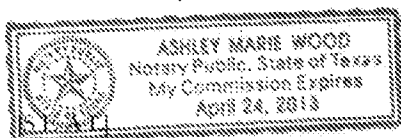
Date: Nov. 22, 2011

Mr. Duke VanLue

THE STATE OF TEXAS §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared Mr. Duke VanLue and, 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 SEAL OF OFFICE, this the 22 day of November, 2011.



My Commission Expires:

April 24, 2013

Ashley Marie Wood
Notary Public in and for
the State of TEXAS

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