

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5010265

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BOSS HOG OIL TOOLS, LLC	05/20/2013
RECEIVING PARTY DATA		
Name:	NATIONAL BOSS HOG ENERGY SERVICES, LLC	
Street Address:	945 BUNKER HILL, SUITE 250	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77024	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15393215
CORRESPONDENCE DATA		
Fax Number:		
<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:	2813726114	
Email:	john@rdoip.com	
Correspondent Name:	JOHN DEBOER	
Address Line 1:	2550 GRAY FALLS DR., SUITE 200	
Address Line 4:	HOUSTON, TEXAS 77077	
ATTORNEY DOCKET NUMBER:	163.092	
NAME OF SUBMITTER:	JOHN M. DEBOER	
SIGNATURE:	/John M. DeBoer/	
DATE SIGNED:	06/16/2018	
Total Attachments: 3		
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ASSIGNMENT

In exchange for valuable consideration provided by National Boss Hog Energy Services, LLC, the receipt and sufficiency of which are hereby acknowledged, Boss Hog Oil Tools LLC, being the owner 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* (sometimes hereinafter called "ASSIGNOR"), do hereby ASSIGN, SELL, TRANSFER, and CONVEY to National Boss Hog Energy Services, LLC a Texas limited liability company having a business address of 945 Bunker Hill, Suite 250, Houston, Texas 77024 (sometimes hereinafter called "ASSIGNEE"), its successors and assigns, the 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. United States of America non-provisional patent applications:
 - i) Serial No. 13/592,004, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0102);
 - ii) Serial No. 13/592,009, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0401);
 - iii) Serial No. 13/592,013, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0501);
 - iv) Serial No. 13/592,015, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0601);
 - v) Serial No. 13/592,019, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0701);
5. Patent Cooperation Treaty international applications:
 - i) No. PCT/US2012/051934, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0104);

- ii) No. PCT/US2012/051936, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0402);
- iii) No. PCT/US2012/051938, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0502);
- iv) No. PCT/US2012/051940, filed on August 22, 2012, entitled *Downhole Tool and Method of Use* (Attorney's Docket No. 012010-0602);

6. 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;

7. 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;

8. 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;

9. 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

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

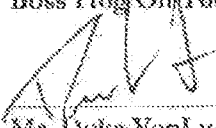
ASSIGNOR covenants, represents, and warrants it and its legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

ASSIGNOR covenants, represents, and warrants that: the right, title, and interest herein assigned, sold, transferred, and conveyed is free and clear of any encumbrance; and ASSIGNOR has the full right to convey the same as herein expressed.

EXECUTED on the date indicated below, opposite my signature.

ASSIGNOR:
Boss Hog Oil Tools LLC

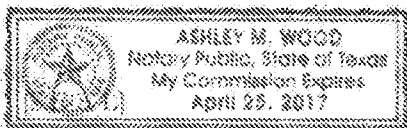
Date: 5/20/13

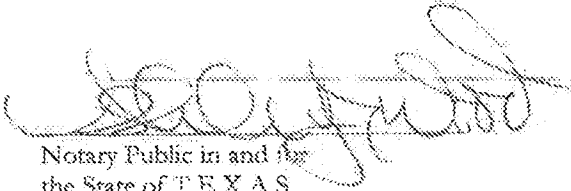

Mr. Duke VanLue
President

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 20 day of May, 2013.




Notary Public in and for
the State of TEXAS

My Commission Expires:

April 25, 2017