

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4470119

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THE 3RD INVENTOR NAME previously recorded on Reel 037692 Frame 0666. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EVAN LLOYD DAVIES	02/08/2016
DUKE VANLUE	02/08/2016
LUIS MIGUEL AVILA	02/08/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL BOSS HOG ENERGY SERVICES, LLC
<b>Street Address:</b>	945 BUNKER HILL, SUITE 250
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14948240
<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>Email:</b>	john@rdoip.com
<b>Correspondent Name:</b>	JOHN DEBOER
<b>Address Line 1:</b>	2550 GRAY FALLS DR., SUITE 200
<b>Address Line 4:</b>	HOUSTON, TEXAS 77077
<b>ATTORNEY DOCKET NUMBER:</b>	163.072
<b>NAME OF SUBMITTER:</b>	JOHN M. DEBOER
<b>SIGNATURE:</b>	/John M. DeBoer/
<b>DATE SIGNED:</b>	06/21/2017
<b>Total Attachments: 11</b>	
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3731704

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EVAN DAVIES	02/08/2016
DUKE VANLUE	02/08/2016
MIGUEL AVILA	02/08/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL BOSS HOG ENERGY SERVICES, LLC
<b>Street Address:</b>	945 BUNKER HILL, SUITE 250
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14948240
<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>Email:</b>	john@deboerip.com
<b>Correspondent Name:</b>	JOHN DEBOER
<b>Address Line 1:</b>	2211 RAYFORD RD., #111-116
<b>Address Line 4:</b>	SPRING, TEXAS 77386
<b>ATTORNEY DOCKET NUMBER:</b>	163072
<b>NAME OF SUBMITTER:</b>	JOHN M. DEBOER
<b>SIGNATURE:</b>	/John M. DeBoer/
<b>DATE SIGNED:</b>	02/09/2016
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by NATIONAL BOSS HOG ENERGY SERVICES, LLC and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we **DAVIES, Evan Lloyd, AVILA, Luis Miguel Miguel, and VANLUE, Duke**, ("ASSIGNORS"), having made an invention in "*DOWNHOLE TOOL AND SYSTEM, AND METHOD FOR THE SAME*", do hereby ASSIGN, SELL 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. United States of America non-provisional patent application Serial No. 14/948,240, filed November 20, 2015, entitled "*DOWNHOLE TOOL AND SYSTEM, AND METHOD FOR THE SAME*";
2. All applications and patents worldwide on said invention and/or claiming priority, directly or indirectly, in whole or in part, to the foregoing application, including but not limited to all United States non-provisional applications and Patent Cooperation Treaty applications;
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;

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.

Each ASSIGNOR covenants, represents, and warrants that he has disclosed the best mode known to him of making and using said invention, knows of no documents, disclosures, uses, or other prior art that would prevent patenting said invention, and has not transferred or assigned (and is not under an obligation to transfer or assign) the rights assigned, sold, and conveyed herein to ASSIGNEE to another person or entity. ASSIGNORS further covenant, represent, and warrant that: we are the original, true, and sole inventors of said invention; the right, title, and interest herein conveyed by us are free and clear of any encumbrance; and we have the full right to convey the same as herein expressed.



EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: \_\_\_\_\_

  
\_\_\_\_\_  
VANLUE, Duke

THE STATE OF \_\_\_\_\_ §

§

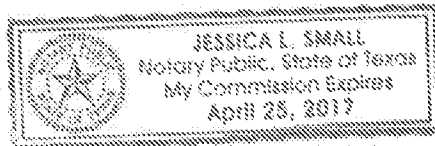
COUNTY OF \_\_\_\_\_ §

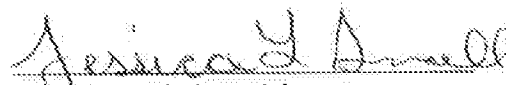
§

BEFORE ME, the undersigned authority, on this day personally appeared VANLUE, Duke, 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 8<sup>th</sup> day of February, 2017

[SEAL]



  
\_\_\_\_\_  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

April 25, 2017

\*\*\*\*\*

EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: 2/8/16

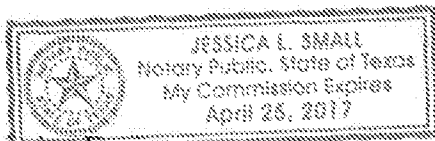
Luis M Avila  
AVILA, Miguel  
Luis Miguel

THE STATE OF Texas §  
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared AVILA, Luis Miguel, 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 8<sup>th</sup> day of February, 2016

[SEAL]



My Commission Expires:

April 25, 2017

Jessica L Small  
Notary Public in and for  
the State of Texas

\*\*\*\*\*



## ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by NATIONAL BOSS HOG ENERGY SERVICES, LLC and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we DAVIES, Evan Lloyd, AVILA, Miguel, and VANLUE, Duke, ("ASSIGNORS"), having made an invention in "*DOWNHOLE TOOL AND SYSTEM, AND METHOD FOR THE SAME*", do hereby ASSIGN, SELL 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. United States of America non-provisional patent application Serial No. 14/948,240, filed November 20, 2015, entitled "*DOWNHOLE TOOL AND SYSTEM, AND METHOD FOR THE SAME*";
2. All applications and patents worldwide on said invention and/or claiming priority, directly or indirectly, in whole or in part, to the foregoing application, including but not limited to all United States non-provisional applications and Patent Cooperation Treaty applications;
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;


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.

Each ASSIGNOR covenants, represents, and warrants that he has disclosed the best mode known to him of making and using said invention, knows of no documents, disclosures, uses, or other prior art that would prevent patenting said invention, and has not transferred or assigned (and is not under an obligation to transfer or assign) the rights assigned, sold, and conveyed herein to ASSIGNEE to another person or entity. ASSIGNORS further covenant, represent, and warrant that: we are the original, true, and sole inventors of said invention; the right, title, and interest herein conveyed by us are free and clear of any encumbrance; and we have the full right to convey the same as herein expressed.

EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: 02-08-2016

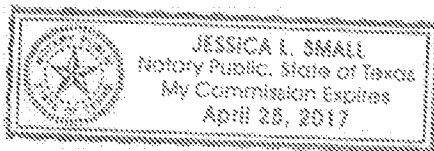
  
\_\_\_\_\_  
DAVIES, Evan Lloyd


THE STATE OF TEXAS           §  
   §  
COUNTY OF HARRIS           §

BEFORE ME, the undersigned authority, on this day personally appeared **DAVIES, Evan Lloyd**, 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 8<sup>th</sup> day of February, 2016

[SEAL]



  
\_\_\_\_\_  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

April 25, 2017

\*\*\*\*\*

EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: \_\_\_\_\_

  
\_\_\_\_\_  
VANLUE, Duke

THE STATE OF \_\_\_\_\_ §

§

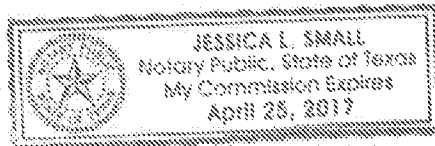
COUNTY OF \_\_\_\_\_ §

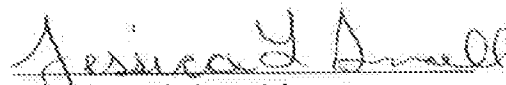
§

BEFORE ME, the undersigned authority, on this day personally appeared VANLUE, Duke, 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 8<sup>th</sup> day of February, 2017

[SEAL]



  
\_\_\_\_\_  
Notary Public in and for  
the State of TEXAS

My Commission Expires:

April 25, 2017

\*\*\*\*\*

EXECUTED on the date indicated below, opposite our signatures.

ASSIGNOR

Date: 2/8/16

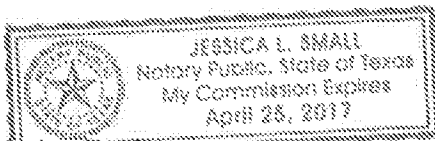
Miguel M. Avila  
AVILA, Miguel

THE STATE OF Texas §  
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared AVILA, Miguel, 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 8<sup>th</sup> day of February, 2016

[SEAL]



My Commission Expires:

April 25, 2017

Jessica L. Small  
Notary Public in and for  
the State of Texas

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