

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4346047

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROGER L SCHULTZ	03/30/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THRU TUBING SOLUTIONS, INC.
<b>Street Address:</b>	11515 S PORTLAND
<b>City:</b>	OKLAHOMA CITY
<b>State/Country:</b>	OKLAHOMA
<b>Postal Code:</b>	73170
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15446586
<b>CORRESPONDENCE DATA</b>	
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<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>	
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<b>Email:</b>	mail@marymlee.com
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<b>ATTORNEY DOCKET NUMBER:</b>	3500-143
<b>NAME OF SUBMITTER:</b>	ANN M. BUNCE
<b>SIGNATURE:</b>	/Ann M. Bunce/
<b>DATE SIGNED:</b>	03/30/2017
<b>Total Attachments: 2</b>	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors:	Roger L. Schultz	Confirmation No. 8152
Appl. No.:	15/446,586	Examiner:
Filed:	March 1, 2017	Group:
For:	Abrasive Perforator with Fluid Bypass	Att'y Dkt. No. 3500-143

ASSIGNMENT OF INVENTION

For: U.S. Rights and Foreign Rights  
For: U.S. Regular Utility Application  
By: Inventors

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S):

Roger L. Schultz  
1164 County Rd. 1460  
Ninnekah OK 73067  
US Citizen

hereby sell(s), assign(s) and transfer(s) to

ASSIGNEE:

Thru Tubing Solutions, Inc., a Delaware corporation  
11515 S. Portland  
Oklahoma City, OK 73170

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the above-identified patent application, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any regular application, continuation, continuation-in-part, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNMENT OF INVENTION  
Att'y Dkt. No. 3500-143  
For: Abrasive Perforator with Fluid Bypass  
Inventors: Roger L. Schultz  
Page 2 of 3 pages

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

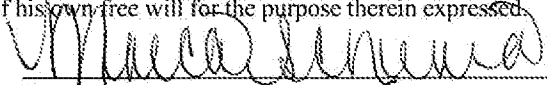
IN WITNESS WHEREOF, I/we have hereunto set hand on the date shown below.

  
\_\_\_\_\_  
Signature of ROGER L. SCHULTZ

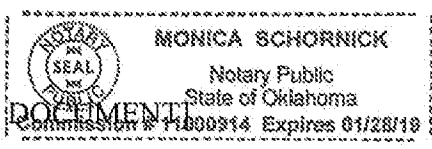
**NOTARIAL ACKNOWLEDGEMENT**

STATE OF OKLAHOMA        )  
  )    §§  
COUNTY OF OKLAHOMA    )

Before me this 30th day of March 2017, personally appeared Roger L. Schultz, the above named individual, to me known to be the person who is described in, and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

  
\_\_\_\_\_  
Notary Public

01/28/2019  
My Commission Expires

[END OF DOCUMENT]  
  
MONICA SCHORNICK  
Notary Public  
State of Oklahoma  
Commission # 11000214 Expires 01/28/19