

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN L. YARBRO	05/08/2017
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<b>Property Type</b>	<b>Number</b>
Patent Number:	9051521
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<b>NAME OF SUBMITTER:</b>	ROD D. BAKER
<b>SIGNATURE:</b>	/Rod D. Baker/
<b>DATE SIGNED:</b>	05/08/2017
<b>Total Attachments: 2</b>	
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ASSIGNMENT OF INVENTION AND PATENT RIGHTS

Inventor/Assignor: YARBRO, Stephen L.

Assignee: HEAVY OIL SOLUTIONS, Inc.

U.S. Patent No. 9,051,521

For valuable consideration received or to be received, and hereby acknowledged, Stephen L. YARBRO, of Los Alamos, New Mexico, USA (hereinafter referred to as "Inventor"), hereby sells, assigns and transfers unto HEAVY OIL SOLUTIONS, Inc., a Delaware corporation whose address is 531 ROVER BLVD, LOS ALAMOS, NM 87547 its successors and assigns (hereinafter referred to as "Assignee"), the entire interest for the United States of America, including all rights of priority under the international conventions and treaties, in and to a certain invention or improvement known as "Using Supercritical Fluids to Refine Hydrocarbons" as described and claimed in U.S. Patent No. 9,051,521 issued by the United States Patent and Trademark Office on 9 June 2015, and in all other Letters Patent of the United States which may or shall be granted on said invention, or any parts thereof, or on any reissue, reexamination or other applications based in whole or in part said patent.

Inventor agrees hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper in Assignee's discretion to secure to Assignee the grant of Letters Patent in the United States as Assignee may determine in its sole discretion, with specifications and claims in such form as shall be approved by Assignee's counsel, and to vest and confirm in Assignee the legal and equitable title and full use and benefit of said invention and patent.

Inventor further agrees with Assignee that this Assignment covers all processes, specifications, procedures, techniques and other knowledge and information now or hereafter known to Inventor which are not in the public domain and which relate directly to the subject matter of the above-mentioned patent, or the manufacture, uses or embodiments, of the invention. Inventor agrees to disclose or provide all related know-how to Assignee upon request.

Inventor further covenants that he will, upon Assignee's request, provide promptly to Assignee all pertinent facts and documents relating to said patent, including legal equivalents in foreign countries, as may be known and accessible to Inventor. Inventor will testify as to

the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said patent, and said invention, and any equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

As used herein, the terms "Inventor" and "Assignee" shall include such parties and their heirs, administrators, estates, successors and assigns of every kind.

DATED: MAY 8, 2017.

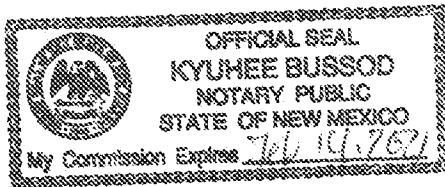
Stephen L. Yarbro  
Stephen L. Yarbro  
HOO CTO

State of New Mexico )

) ss.

County of Los Alamos )

The foregoing instrument was acknowledged before me this 8 day of MAY 2017, by Stephen L. Yarbro.



(Seal)

Kyuhée Bussod  
Signature of Notary Public

Kyuhée Bussod  
Printed Name of Notary

My commission expires on Feb 14, 2021.