

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4236552

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENNETH MICHAEL COWAN	01/19/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APACHE CORPORATION
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<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77056
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15226512
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	RICHARD A. FAGIN
<b>SIGNATURE:</b>	/Richard A. Fagin/
<b>DATE SIGNED:</b>	01/23/2017
<b>Total Attachments: 2</b>	
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source=APA-US9416619B2-Assignment#page2.tif	

## **Assignment – Worldwide**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

**Apache Corporation**

having the following address:

**2000 Post Oak Boulevard, Ste. 100, Houston, Texas 77056**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

### **CEMENTING A WELLBORE USING CEMENTING MATERIAL ENCAPSULATED IN A SHELL**

for which the undersigned has/have executed an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

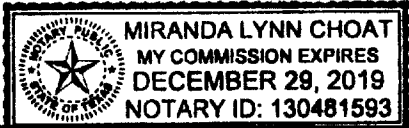
The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the attorney named in a separate Power of Attorney the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>1-19-17</u> Date	Signature: <u>[Signature]</u> Print or Type Name: <u>Kenneth Michael COWAN</u>
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____
_____ Date	Signature: _____ Print or Type Name: _____

This Assignment must be signed before a Notary Public for one of the States in the United States or corresponding foreign official authorized to administer oaths.

<b>NOTARY PUBLIC</b>	State of <b>TEXAS</b> County of <u>Fort Bend</u>
	Before me personally appeared: <u>Kenneth Michael Cowan</u> 1 <sup>st</sup> Inventor
	_____ 2 <sup>nd</sup> Inventor
	_____ 3 <sup>rd</sup> Inventor
	_____ 4 <sup>th</sup> Inventor
	each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.
	Dated: <u>1/19/17</u>
	<u>Miranda Lynn Choat</u> Notary Public
	My commission expires: <u>December 29<sup>th</sup>, 2019</u>
	

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 15/226,512  
Filing Date: 08/02/2016