

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3154073

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHI YU	11/17/2014
GARRY C. GUNTER	11/21/2014
BRADLEY M TAYLOR	11/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PHILLIPS 66 COMPANY
<b>Street Address:</b>	INTELLECTUAL PROPERTY - LEGAL
<b>Internal Address:</b>	P. O. BOX 4428
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77210
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14551360
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(832)765-0109
<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>Phone:</b>	832-765-1251
<b>Email:</b>	rsclegalpsxip@p66.com
<b>Correspondent Name:</b>	PHILLIPS 66 COMPANY
<b>Address Line 1:</b>	INTELLECTUAL PROPERTY - LEGAL
<b>Address Line 2:</b>	P. O. BOX 4428
<b>Address Line 4:</b>	HOUSTON, TEXAS 77210
<b>ATTORNEY DOCKET NUMBER:</b>	42149US1
<b>NAME OF SUBMITTER:</b>	KYLE W. SHERRILL
<b>SIGNATURE:</b>	/Kyle W. Sherrill, Ph.D./
<b>DATE SIGNED:</b>	12/18/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b>	
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source=42149US1\_ShiDeclaration\_12152014#page2.tif

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source=42149US1\_TaylorDec\_11242014#page1.tif

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**Declaration (37 CFR 1.63) for Utility Patent Application  
and Assignment of Rights, Title and Interest in Invention**

**Docket No.:**  
**42149US1**

I Yu Shi (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>61/914,607</u> filed <u>12/11/2013</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: <u>42149US1</u>
<input checked="" type="checkbox"/>	United States Utility Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	International (PCT) Patent Application Serial No. <u>*****</u> filed <u>*****</u>
<input type="checkbox"/>	Prior Foreign Application No.: _____, Country _____, filed _____
<input type="checkbox"/>	Other (specify) _____

Direct all correspondence to the address associated with Customer No.: 105261

**Title of the Invention**

**FUEL BLENDS FOR HOMOGENEOUS CHARGE COMPRESSION  
IGNITION ENGINES**

The above-identified application was made or authorized to be made by me.

I believe that I am the original and first inventor or an original and first joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application date and any subsequent application.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims of said application. I have reviewed any claim to priority, and I have identified above any prior application number with day, month and year of filing, including any PCT international application designating at least one country other than the United States of America.

WHEREAS, Phillips 66 Company (hereinafter referred to as "ASSIGNEE") having a place of business at: 3010 Briarpark Drive, Houston, Texas 77042 USA, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

Now, this indenture witnessed, that for good and valuable consideration, the receipt whereof is hereby acknowledged: I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisional, continuation, substitute, renewal and reissue applications thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assign, to the full end of the term for which said

<b>Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention</b>	<b>Docket No.:</b> 42149US1
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Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do anything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Assignor**

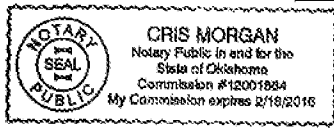
Inventor: Yu Shi Residence: U.S.  
 Signature: [Signature] Citizenship: China Date: 11/17/2014

**Notarization**

Executed this 17 day of November in the year 2014  
 At Bartlesville (city) Oklahoma (State)  
 State of Oklahoma  
 County of Washington  
 Before me personally appeared: Yu Shi  
 who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 17 day of November in the year 2014

Cris Morgan  
 (Notary Public)

[SEAL]



My Commission Expires:  
2/18/2016

**Assignee**

Phillips 66 Company hereby accepts assignment of the above referenced patent application.  
 Name: Phillips 66 Company Mailing Address:  
Kyle W. Sherrill, Ph.D  
 Patent Agent and Attorney-in-Fact P.O. Box 4428  
 Registration No. 62,130 Houston, Texas 77210  
 Phillips 66 Company United States of America

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: 42149US1
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I Garry C. Gunter (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>61/914,607</u> filed <u>12/11/2013</u>
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Now, this indenture witnessed, that for good and valuable consideration, the receipt whereof is hereby acknowledged: I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisional, continuation, substitute, renewal and reissue applications thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assign, to the full end of the term for which said

Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

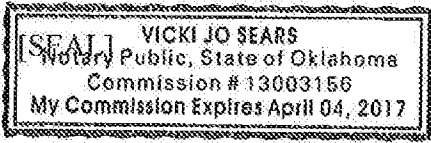
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do anything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Assignor**  
 Inventor: Garry C. Gunter Residence: 2120 Turtle Creek, Bartlesville, OK 74006  
 Signature: [Handwritten Signature] Citizenship: USA Date: 11/21/2014

**Notarization**  
 Executed this 21<sup>st</sup> day of November in the year 2014  
 At Bartlesville (city) Oklahoma (State)  
 State of Oklahoma  
 County of Washington  
 Before me personally appeared: Garry C. Gunter  
 who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 21<sup>st</sup> day of November in the year 2014

[Handwritten Signature]  
 (Notary Public)



My Commission Expires:  
4-4-17

**Assignee**  
 Phillips 66 Company hereby accepts assignment of the above referenced patent application.  
 Name: Phillips 66 Company Mailing Address:  
Kyle W. Sherrill, Ph.D  
 Patent Agent and Attorney-in-Fact P.O. Box 4428  
 Registration No. 62,130 Houston, Texas 77210  
 Phillips 66 Company United States of America

<b>Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention</b>	<b>Docket No.:</b> <b>42149US1</b>
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I Bradley M Taylor (inventor) declare that this declaration is directed to

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No <u>61/914,607</u> filed <u>12/11/2013</u>
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**Assignor**

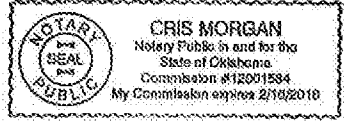
Inventor: Bradley M. Taylor Residence: United States of America  
 Signature: [Signature] Citizenship: USA Date: 11/17/2014

**Notarization**

Executed this 17 day of November in the year 2014  
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Chris Morgan  
(Notary Public)

[SEAL]



My Commission Expires:  
2/16/2016

**Assignee**

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