

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6136958

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANTHONY O. BALDRIDGE	05/18/2020
NEAL D. MCDANIEL	05/18/2020
JAMES A. SUTTIL	05/29/2020
JIANHUA YAO	05/28/2020
EDWARD C. WEINTROB	04/30/2020
MATTHEW J. WULFERS	05/18/2020
BRUCE B. RANDOLPH	05/26/2020
MAZIAR SARDASHTI	05/07/2020
RECEIVING PARTY DATA	
Name:	PHILLIPS 66 COMPANY
Street Address:	INTELLECTUAL PROPERTY - LEGAL
Internal Address:	P.O. BOX 421959
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77242-1959
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16855312
CORRESPONDENCE DATA	
Fax Number:	(832)765-9875
<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>	
Phone:	832-765-1251
Email:	RSCLegalpsxp@p66.com
Correspondent Name:	PHILLIPS 66 COMPANY
Address Line 1:	INTELLECTUAL PROPERTY - LEGAL
Address Line 2:	P. O. BOX 421959
Address Line 4:	HOUSTON, TEXAS 77242-1959
ATTORNEY DOCKET NUMBER:	P66-00280US1
NAME OF SUBMITTER:	KYLE W. SHERRILL

PATENT

SIGNATURE:	/Kyle Sherrill #62130/
DATE SIGNED:	06/04/2020
Total Attachments: 16 source=P66_00280US1_A_Baldrige_DeclAssig_060420#page1.tif source=P66_00280US1_A_Baldrige_DeclAssig_060420#page2.tif source=P66_00280US1_N_McDaniel_DeclAssign_060420#page1.tif source=P66_00280US1_N_McDaniel_DeclAssign_060420#page2.tif source=P66_00280US1_J_Suttill_DeclAssign_060420#page1.tif source=P66_00280US1_J_Suttill_DeclAssign_060420#page2.tif source=P66_00280US1_J_Yao_DeclAssign_060420#page1.tif source=P66_00280US1_J_Yao_DeclAssign_060420#page2.tif source=P66_00280US1_E_Weintrob_DeclAssign_060420#page1.tif source=P66_00280US1_E_Weintrob_DeclAssign_060420#page2.tif source=P66_00280US1_M_Wulfers_DeclAssign_060420#page1.tif source=P66_00280US1_M_Wulfers_DeclAssign_060420#page2.tif source=P66_00280US1_B_Randolph_DeclAssign_060420#page1.tif source=P66_00280US1_B_Randolph_DeclAssign_060420#page2.tif source=P66_00280US1_M_Sardashti_DeclAssign_060420#page1.tif source=P66_00280US1_M_Sardashti_DeclAssign_060420#page2.tif	

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

Docket No.:
P66-00280US1

I Anthony O. Baldrige (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
<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

**ISOMERIZATION AND CATALYTIC ACTIVATION OF
PENTANE-ENRICHED HYDROCARBON MIXTURES**

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: 2331 CityWest Blvd., 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 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.

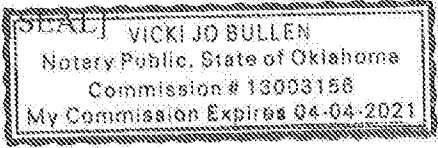
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment 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: Anthony O. Baldrige Residence: 5618 Nottingham Drive, Bartlesville, OK 74006
 Signature: [Handwritten Signature] Citizenship: US Date: 5/18/2020

Notarization
 Executed this 18th day of May in the year 2020
 At Bartlesville (city) Oklahoma (State)
 State of Oklahoma
 County of Osage
 Before me personally appeared: Anthony O. Baldrige
 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 18th day of May in the year 2020

[Handwritten Signature: Vicki J. Bullen]
 (Notary Public)



My Commission Expires:
4-4-21

Assignee
 Phillips 66 Company hereby accepts assignment of the above referenced patent application.
 Name: Kyle W. Sherrill, Ph.D. Mailing Address:
Phillips 66 Company P.O. Box 421959
Patent Agent and Attorney-in-Fact Houston, Texas 77242-1959
Registration No.62,130 United States of America

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

Docket No.:
P66-00280US1

I Neal D. McDaniel (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
<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

**ISOMERIZATION AND CATALYTIC ACTIVATION OF
PENTANE-ENRICHED HYDROCARBON MIXTURES**

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.

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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.

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

Docket No.:
P66-00280US1

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: Neal D. McDaniel Residence: 27251 N 3979 Dr, Ochelata, OK 74051

Signature: N D McDaniel Citizenship: US Date: 5/18/20

Notarization

Executed this 18th day of May in the year 2020

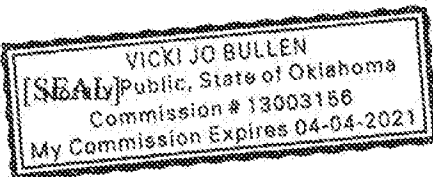
At Barbersville (city) Oklahoma (State)

State of Oklahoma

County of Ottawa

Before me personally appeared: Neal D. McDaniel
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 18th day of May in the
year 2020

Vicki Jo Bullen
(Notary Public)



My Commission Expires:

4-4-21

Assignee

Phillips 66 Company hereby accepts assignment of the above referenced patent application.

Name: Kyle W. Sherrill, Ph.D.

Mailing Address:

Phillips 66 Company

P.O. Box 421959

Patent Agent and Attorney-in-Fact

Houston, Texas 77242-1959

Registration No.62,130

United States of America

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: P66-00280US1
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

I, James A. Suttli (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,067</u> filed <u>04/24/2018</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
<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 ISOMERIZATION AND CATALYTIC ACTIVATION OF PENTANE-ENRICHED HYDROCARBON MIXTURES

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.

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WHEREAS, Phillips 66 Company (hereinafter referred to as "ASSIGNEE") having a place of business at: 2331 CityWest Blvd., 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 assigns, 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.

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: P66-00280US1
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------

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: James A. Suttill Residence: 864 County Road 3001, Bartlesville, OK 74003
 Signature: [Signature] Citizenship: US Date: 05/29/2020
Australian

Notarization

Executed this 29 day of MAY in the year 2020
 At Hobart (city) TASMANIA (State)
 State of AUSTRALIA
 County of _____
 Before me personally appeared: James Suttill
 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 29 day of MAY in the year 2020
[Signature]
 (Notary Public)

[SEAL]

Commissioner for Declarations
 (ex-officio)
 City of Hobart

My Commission Expires: _____

Assignee

Phillips 66 Company hereby accepts assignment of the above referenced patent application.
 Name: Kyle W. Sherrill, Ph.D. Mailing Address:
 Phillips 66 Company P.O. Box 421959
 Patent Agent and Attorney-in-Fact Houston, Texas 77242-1959
 Registration No. 62,130 United States of America

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: P66-00280US1
-----------------------------------------------------------------------------------------------------------------------	-----------------------------

I Jianhua Yao (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.:
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
<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

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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.

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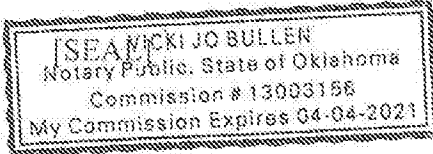
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Assignor
 Inventor: Jianhua Yao Residence: 1532 Whitney Ln, Bartlesville, OK 74006
 Signature: [Signature] Citizenship: US Date: 5/28/2020

Notarization
 Executed this 28th day of May in the year 2020
 At Bartlesville (city) Oklahoma (State)
 State of Oklahoma
 County of Osage
 Before me personally appeared: Jianhua Yao
 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 28th day of May in the year 2020

[Signature]
 (Notary Public)



My Commission Expires:
4-4-21

Assignee
 Phillips 66 Company hereby accepts assignment of the above referenced patent application.
 Name: Kyle W. Sherrill, Ph.D. Mailing Address:
 Phillips 66 Company P.O. Box 421959
 Patent Agent and Attorney-in-Fact Houston, Texas 77242-1959
 Registration No. 62,130 United States of America

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

Docket No.:
P66-00280US1

I Edward C. Weintrob (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
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Assignor

Inventor: Edward C. Weintrob Residence: 10728 N 146th E Ave, Owasso, OK 74055
 Signature: *ed Weintrob* Citizenship: US Date: 4/30/2020

Notarization

Executed this 30 day of April in the year 2020
 At Owasso (city) Oklahoma (State)
 State of Oklahoma
 County of Tulsa
 Before me personally appeared: Edward C. Weintrob
 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 30 day of April in the year 2020.

Ashley Wills
 (Notary Public)



My Commission Expires:
2-6-2024

Assignee

Phillips 66 Company hereby accepts assignment of the above referenced patent application.
 Name: Kyle W. Sherrill, Ph.D. Mailing Address:
Phillips 66 Company P.O. Box 421959
Patent Agent and Attorney-in-Fact Houston, Texas 77242-1959
Registration No.62,130 United States of America

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

Docket No.:
P66-00280US1

I Matthew J. Wulfers (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/838,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
<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

**ISOMERIZATION AND CATALYTIC ACTIVATION OF
PENTANE-ENRICHED HYDROCARBON MIXTURES**

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: 2331 CityWest Blvd., 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 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.

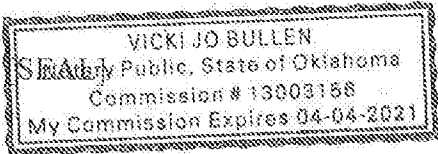
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment 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: Matthew J. Wulfers Residence: 14171 N 62nd East Ave, Collinsville, OK 74021
 Signature: *Matthew J. Wulfers* Citizenship: US Date: May 18, 2020

Notarization
 Executed this 18th day of May in the year 2020
 At Beardsville (city) Oklahoma (State)
 State of Oklahoma
 County of Deer
 Before me personally appeared: Matthew J. Wulfers
 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 18th day of May in the year 2020

Vicki Jo Bullen
 (Notary Public)



My Commission Expires:
4-4-21

Assignee
 Phillips 66 Company hereby accepts assignment of the above referenced patent application.
 Name: Kyle W. Sherrill, Ph.D. Mailing Address:
 Phillips 66 Company P.O. Box 421959
 Patent Agent and Attorney-in-Fact Houston, Texas 77242-1959
 Registration No.62,130 United States of America

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

Docket No.:
P66-00280US1

I Bruce B. Randolph (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/638,057</u> filed <u>04/24/2019</u>
<input type="checkbox"/>	United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
<input checked="" type="checkbox"/>	United States Non-Provisional Patent Application Serial No. <u>16/855,312</u> filed <u>04/22/2020</u>
<input type="checkbox"/>	United States Continuation Patent Application Serial No. _____ filed _____
<input type="checkbox"/>	International (PCT) Patent Application Serial No. _____ filed _____
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<input type="checkbox"/>	Other (specify) _____

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

Title of the Invention

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PENTANE-ENRICHED HYDROCARBON MIXTURES**

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WHEREAS, Phillips 66 Company (hereinafter referred to as "ASSIGNEE") having a place of business at: 2331 CityWest Blvd., 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 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.

**Declaration (37 CFR 1.63) for Utility Patent Application
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Docket No.:
P66-00280US1

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: Bruce B. Randolph Residence: 2700 Roanoke Ridge Road, Bartlesville, OK 74006
Signature: Bruce B. Randolph Citizenship: US Date: 05/26/20

Notarization

Executed this 26th day of May in the year 2020
At Bartlesville (city) Oklahoma (State)
State of Oklahoma
County of Deer

Before me personally appeared: Bruce B. Randolph
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 26th day of May in the year 2020



Debra D. Crain
(Notary Public)

My Commission Expires:

11-10-2021

Assignee

Phillips 66 Company hereby accepts assignment of the above referenced patent application.

Name: Kyle W. Sherrill, Ph.D.

Mailing Address:

Phillips 66 Company

P.O. Box 421959

Patent Agent and Attorney-in-Fact

Houston, Texas 77242-1959

Registration No.62,130

United States of America

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: P66-00280US1
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- I Mazar Sardashti (inventor) declare that this declaration is directed to:
- United States Provisional Patent Application Serial No. 62,638,057 filed 04/24/2019
 - United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
 - United States Non-Provisional Patent Application Serial No. 16,855,312 filed 04/22/2020
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Direct all correspondence to the address associated with Customer No.: 105261

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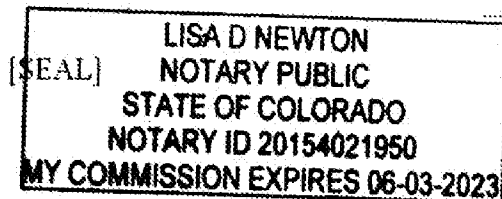
Assignor

Inventor: Maziar Sardashti Residence: 1003 Terrace View St, Turnath, CO 80547
Signature: Maziar Sardashti Citizenship: US Date: 5/7/2020

Notarization

Executed this 7th day of May in the year 2020
At Fort Collins (city) Colorado (State)
State of Colorado
County of Larimer

Before me personally appeared: Maziar Sardashti
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 7th day of May in the year 2020



Lisa D Newton
(Notary Public)

My Commission Expires:
6-3-2023

Assignee

Phillips 66 Company hereby accepts assignment of the above referenced patent application.

Name: Kyle W. Sherrill, Ph.D.
Phillips 66 Company
Patent Agent and Attorney-in-Fact
Registration No. 62,130

Mailing Address:
P.O. Box 421959
Houston, Texas 77242-1959
United States of America