

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5634863

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANTHONY O. BALDRIDGE	04/23/2019
NEAL D. MCDANIEL	04/22/2019
JAMES A. SUTTIL	04/23/2019
SOUMEN KUNDU	04/20/2019
JIANHUA YAO	04/18/2019
BRUCE B. RANDOLPH	07/02/2019
MAZIAR SARDASHTI	04/29/2019
STEVEN E. LUSK	05/09/2019
ROBERT M. WALSTON JR.	05/16/2019
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:	16364737
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:	RSCLegalpsxip@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:	P66-00257US1

PATENT

NAME OF SUBMITTER:	KYLE W. SHERRILL, PH.D
SIGNATURE:	/Kyle Sherrill #62130/
DATE SIGNED:	07/24/2019
Total Attachments: 18 source=P66_00257US1_A_Baldrige_DeclAssign_072419.2#page1.tif source=P66_00257US1_A_Baldrige_DeclAssign_072419.2#page2.tif source=P66_00257US1_NMcDaniel_DeclAssign_072419.2#page1.tif source=P66_00257US1_NMcDaniel_DeclAssign_072419.2#page2.tif source=P66_00257US1_JSuttil_DeclAssign_072419.2#page1.tif source=P66_00257US1_JSuttil_DeclAssign_072419.2#page2.tif source=P66_00257US1_1_SKundu_DeclAssign_072419.2#page1.tif source=P66_00257US1_1_SKundu_DeclAssign_072419.2#page2.tif source=P66_00257US1_J_Yao_DeclAssign_072419.2#page1.tif source=P66_00257US1_J_Yao_DeclAssign_072419.2#page2.tif source=P66_00257US1_B_Randolph_DeclAssign_072419.2#page1.tif source=P66_00257US1_B_Randolph_DeclAssign_072419.2#page2.tif source=P66_00257US1_MSardashti_DeclAssign_072419.2#page1.tif source=P66_00257US1_MSardashti_DeclAssign_072419.2#page2.tif source=P66_00257US1_S_Lusk_DeclAssign_072419.2#page1.tif source=P66_00257US1_S_Lusk_DeclAssign_072419.2#page2.tif source=P66_00257US1_R_Walston_DeclAssign_072419.2#page1.tif source=P66_00257US1_R_Walston_DeclAssign_072419.2#page2.tif	

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

Docket No.:
P66-00257US1

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

- ☒ United States Provisional Patent Application Serial No. 62/648,570 filed March 27, 2018
☐ United States Non-Provisional Patent Application submitted herewith, Docket No.: _____
☒ United States Non-Provisional Patent Application Serial No. 16/364,737 filed March 26, 2019
☐ United States Continuation Patent Application Serial No. _____ filed _____
☐ International (PCT) Patent Application Serial No. _____ filed _____
☐ Prior Foreign Application No.: _____, Country _____, filed _____
☐ Other (specify) _____

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

Title of the Invention

CATALYTIC ACTIVATION OF ISOPENTANE-ENRICHED 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 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.

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P66-00257US1

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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. Baldridge

Residence: 5618 Nottingham Place, Bartlesville, OK 74006

Signature: [Signature]

Citizenship: US

Date: 4/23/19

Notarization

Executed this 23rd day of April in the year 2019

At Bartlesville (city) Oklahoma (State)

State of Oklahoma

County of Washington

Before me personally appeared: Anthony Baldridge

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 23rd day of April in the year 2019

[Signature]
(Notary Public)

[SEAL]

CARISSA GINGERICH
Notary Public - State of Oklahoma
Commission Number 13002588
My Commission Expires Mar 17, 2021

My Commission Expires:

March 17, 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.:
P66-00257US1

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

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/648,570</u> filed <u>March 27, 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>16/364,737</u> filed <u>March 26, 2019</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.

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.:
P66-00257US1

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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: Neal D. McDaniel Citizenship: US Date: 4-22-19

Notarization

Executed this 22nd day of April in the year 2019

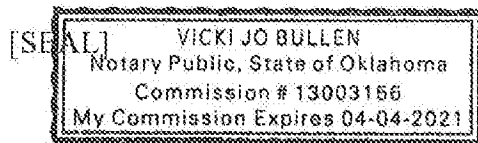
At Cardwell (city) Oklahoma (State)

State of Oklahoma

County of Osage

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 22nd day of April in the
year 2019

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.:
P66-00257US1

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

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/648,570</u> filed <u>March 27, 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>16/364,737</u> filed <u>March 26, 2019</u>
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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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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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**Declaration (37 CFR 1.63) for Utility Patent Application
and Assignment of Rights, Title and Interest in Invention**

Docket No.:
P66-00257US1

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Assignor

Inventor: James A. Suttill Residence: 864 County Road 3001, Bartlesville, OK 74003
Signature: [Signature] Citizenship: Australian Date: 4/23/2019

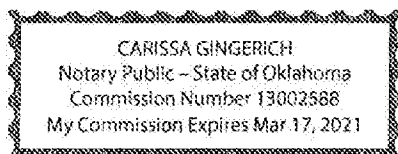
Notarization

Executed this 23rd day of April in the year 2019
At Bartlesville (city) Oklahoma (State)
State of Oklahoma
County of Washington

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 23rd day of April in the
year 2019

[Signature]
(Notary Public)

[SEAL]



My Commission Expires:

March 17, 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

PATENT

REEL: 049851 FRAME: 0338

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

Docket No.:
P66-00257US1

I Soumen Kundu (inventor) declare that this declaration is directed to:

- ☒ United States Provisional Patent Application Serial No. 62/648,570 filed March 27, 2018
☐ United States Non-Provisional Patent Application submitted herewith, Docket No.:
☒ United States Non-Provisional Patent Application Serial No. 16/364,737 filed March 26, 2019
☐ United States Continuation Patent Application Serial No. _____ filed _____
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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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Assignor

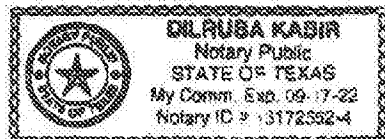
Inventor: Soumen Kundu Residence: 12305 Silent Creek Dr, Pearland, TX 77584
Signature: [Signature] Citizenship: India Date: 04/20/19

Notarization

Executed this 20 day of April in the year 2019
At Pearland (city) Texas (State)
State of Texas
County of Dallas
Before me personally appeared: Soumen Kundu
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 20 day of April in the year 2019

[Signature]
(Notary Public)

[SEAL]



My Commission Expires:
9-17-2022

Assignee

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Name: Kyle W. Sherrill, Ph.D

Mailing Address:

Phillips 66 Company

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Patent Agent and Attorney-in-Fact

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Registration No. 62,130

United States of America

PATENT

REEL: 049851 FRAME: 0340

**Declaration (37 CFR 1.63) for Utility Patent Application
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Docket No.:
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I Jianhua Yao (inventor) declare that this declaration is directed to:

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Assignor

Inventor: Jianhua Yao

Residence: 1532 Whitney Lane, Bartlesville, OK 74006

Signature: [Signature]

Citizenship: US

Date: 4/18/2019

Notarization

Executed this 19th day of April in the year 2019

At Bartlesville (city) OK (State)

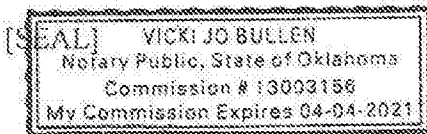
State of Oklahoma

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 18th day of April in the year 2019

[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

PATENT

REEL: 049851 FRAME: 0342

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

Docket No.:
P66-00257US1

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

- ☒ *United States Provisional Patent Application Serial No. 62/648,570 filed March 27, 2018*
☐ *United States Non-Provisional Patent Application submitted herewith, Docket No.: _____*
☒ *United States Non-Provisional Patent Application Serial No. 16/364,737 filed March 26, 2019*
☐ *United States Continuation Patent Application Serial No. _____ filed _____*
☐ *International (PCT) Patent Application Serial No. _____ filed _____*
☐ *Prior Foreign Application No.: _____, Country _____, filed _____*
☐ *Other (specify) _____*

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

Title of the Invention

CATALYTIC ACTIVATION OF ISOPENTANE-ENRICHED 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.

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

Docket No.:
P66-00257US1

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 Rd., Bartlesville, OK 74006
Signature: Bruce B. Randolph Citizenship: US Date: July 2, 2019

Notarization

Executed this 2nd day of July in the year 2019
At Bartlesville (city) Oklahoma (State)
State of Oklahoma
County of Osage

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 2nd day of July in the
year 2019



Debra D. Crain
(Notary Public)

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.:
P66-00257US1

Mr. Maziar

I, *Maziar Sardashti* (inventor) declare that this declaration is directed to:

- | | |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | United States Provisional Patent Application Serial No. <u>62/648,570</u> filed <u>March 27, 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>16/364,737</u> filed <u>March 26, 2019</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

CATALYTIC ACTIVATION OF ISOPENTANE-ENRICHED 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.

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

Docket No.:
P66-00257US1

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, ME Maziar

Inventor: Maziar Sardashti

Residence: 1003 Terrace View St. Timnath, CO 80547

Signature: Maziar Sardashti Citizenship: US Date: 4/29/2019

Notarization

Executed this 29 day of April in the year 2019
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 29 day of April in the year 2019.

[Signature]
(Notary Public)

[SEAL]

JOSEPHINE GUZMAN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20114052690
MY COMMISSION EXPIRES 8-23-2019

My Commission Expires:

08-23-2019

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

PATENT

REEL: 049851 FRAME: 0346

Declaration (37 CFR 1.63) for Utility Patent Application and Assignment of Rights, Title and Interest in Invention	Docket No.: P66-002571/S1
-------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------

I Steven E. Lusk (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/648,570</u> filed <u>March 27, 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>16/364,737</u> filed <u>March 26, 2019</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

CATALYTIC ACTIVATION OF ISOPENTANE-ENRICHED 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 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.:
P66-00257US1

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: Steven E. Lusk

Residence: 1775 N. U Street, Ponca City, OK 74601

Signature: *Steven E. Lusk*

Citizenship: US

Date: 5/9/19

5/9/19 SE

Notarization

Executed this 9th day of May, in the year 2019
At Barleauville (city) Oklahoma (State)

State of Oklahoma

County of Osage

Before me personally appeared: Steven E. Lusk

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 9th day of May, in the year 2019.

Debra D. Crain
(Notary Public)

[SEAL]

My Commission Expires:

11-10-2021

#01017333

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

PATENT

REEL: 049851 FRAME: 0348

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

Docket No.:
P66-00257US1

I Robert M. Walston, Jr. (inventor) declare that this declaration is directed to:

<input checked="" type="checkbox"/>	United States Provisional Patent Application Serial No. <u>62/648,570</u> filed <u>March 27, 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>16/364,737</u> filed <u>March 26, 2019</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

CATALYTIC ACTIVATION OF ISOPENTANE-ENRICHED 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.

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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
and Assignment of Rights, Title and Interest in Invention**

Docket No.:
P66-00257US1

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: Robert M. Walston, Jr. Residence: 14455 N 30th East Ave., Skiatook, OK 74070
Signature: [Signature] Citizenship: US Date: 5-10-19

Notarization

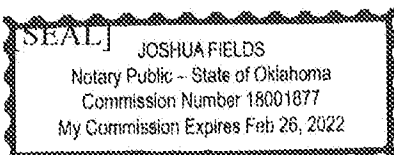
Executed this 16 day of May in the year 2019
At Bartlesville (city) Oklahoma (State)

State of Oklahoma

County of Washington

Before me personally appeared: Robert M. Walston Jr.
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 16 day of May in the year 2019

[Signature]
(Notary Public)



My Commission Expires:

02-26-22

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