

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8265700

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOHAMMAD H. KALAEI	04/17/2023
BENJAMIN LASCAUD	08/31/2023
THOMAS J. WHEELER	04/03/2023
GUSTAVO A. GOMEZ	04/17/2023
JULIAN ORTIZ ARANGO	11/02/2023
HARISH T. KUMAR	04/17/2023
RECEIVING PARTY DATA	
Name:	CONOCOPHILLIPS COMPANY
Street Address:	925 N. ELDRIDGE PARKWAY
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	63374230
Application Number:	18452722
PCT Number:	US2372553
CORRESPONDENCE DATA	
Fax Number:	
<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:	8323697851
Email:	sannadorai@boulwarevaloir.com
Correspondent Name:	BOULWARE & VALOIR, PLLC
Address Line 1:	2603 AUGUSTA DR
Address Line 2:	SUITE 1350
Address Line 4:	HOUSTON, TEXAS 77057
ATTORNEY DOCKET NUMBER:	COP-42691US02
NAME OF SUBMITTER:	SAHANA ANNADORAI
SIGNATURE:	/Sahana Annadorai/

PATENT

DATE SIGNED:

11/08/2023

Total Attachments: 11

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

Docket No.:
COP:42691US01

As the below named inventor(s), I/we declare that this document is an Assignment of the rights, title and interest and a Declaration of Invention directed to:

- Rights, title and interest in the invention including United States applications and patents*
 United States Provisional Patent Application Serial No. 63/374,230 filed 08/31/2022
 United States Utility Patent Application Serial No. _____ filed _____
 United States Patent No(s). _____
 Foreign rights, title and interest in the invention including international applications and patents
 International (PCT) Patent Application Serial No _____ filed _____
 Other (specify) _____
 This declaration is directed to the international application of which it forms a part
 This declaration is directed to the United States Application submitted herewith

Direct all correspondence to the address associated with Customer No.: 85937

Title of the Invention

HEAT HARVESTING OF END-OF-LIFE WELLS

Whereas, I/we, the below-identified Inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention").

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

I/we believe that I/we are the original inventor(s) of the claimed invention in the application.

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 which 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 and if applicable any amendment specifically referred to above.

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 international applications.

If applicable, I have identified in the request of any international application, in compliance with PCT Rule 4.10, any claim to foreign priority,

I/we desire to assign my/our above-identified rights, title and interest in the Invention to the Assignee;

Therefore, for valuable consideration, the receipt of which is acknowledged, I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said

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and Declaration of Invention**

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application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and any and all reissues and reexaminations thereof, and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right title and interest thereto;

I/we agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.


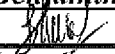



Further, this assignment and declaration is intended to be utilized as the required oath of declaration under Rule Paragraph 1.63.

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

Docket No.:
COP:42691US01

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Assignors

First Inventor: <u>Mohammad H. KALAEI</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: 	Citizenship: <u>USA</u> Date: <u>04/17/2023</u>
Second Inventor: <u>Benjamin LASCAUD</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: 	Citizenship: <u>USA</u> Date: <u>06/31/2023</u>
Third Inventor: <u>Thomas J. WHEELER</u>	Address: <u>8610 Fountainbleu, Houston, TX 77024</u>
Signature: 	Citizenship: <u>USA</u> Date: <u>3 April 2023</u>
Fourth Inventor: <u>Gustavo A. GOMEZ</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: 	Citizenship: <u>USA</u> Date: <u>4-17-2023</u>
Fifth Inventor: <u>Julian Ortiz ARANGO</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: _____	Citizenship: _____ Date: _____
Sixth Inventor: <u>Harish T. KUMAR</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: 	Citizenship: <u>USA</u> Date: <u>17th April 2023</u>

Assignee

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.

Name: ConocoPhillips Company

Mailing Address:

Patent [Attorney/Agent] and Attorney-in-Fact
ConocoPhillips Company

925 N. Eldridge Parkway
Houston, Texas
P. O. Box 4783
Houston, TX 77210
United States of America

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

Docket No.:
COP:42691US01

Notarization

Executed this 17th day of April in the year 2023.

At Houston (city) Texas (State)

State of Texas

County of Harris

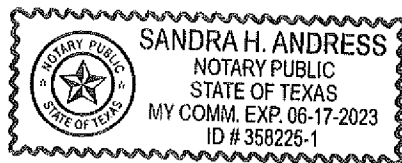
Before me personally appeared

Mohammad H. Kalaei
Gustavo A. Gomez
Harish T. Kumar

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 17th day of April in the year 2023

Sandra H. Address
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2023

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

Docket No.:
COP:42691US01

Notarization
Executed this 3rd day of April in the year 2023.

At Houston (city) Texas (State)

State of Texas

County of Harris

Before me personally appeared

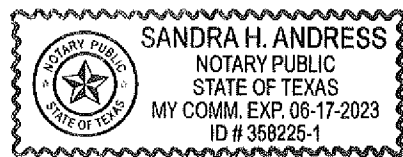
Thomas J. Wheeler

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 3rd day of April in the year 2023

Sandra H. Address

(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2023

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

Docket No.:
COP:42691US01

Notarization
Executed this 31st day of August in the year 2023.

At Houston (city) Texas (State)

State of Texas

County of Harris

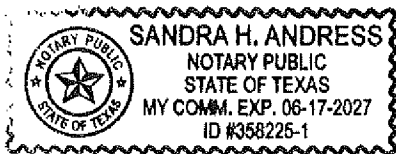
Before me personally appeared

Benjamin Lascaud

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 31st day of August in the year 2023.

Sandra H. Address
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2027

Assignment of Rights, Title and Interest in Invention and Declaration of Invention	Docket No.: COP:42691US01
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As the below named inventor(s), I/we declare that this document is an Assignment of the rights, title and interest and a Declaration of Invention directed to:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <i>Rights, title and interest in the invention including United States applications and patents</i> |
| <input checked="" type="checkbox"/> | <i>United States Provisional Patent Application Serial No. <u>63/374,230</u> filed <u>08/31/2022</u></i> |
| <input checked="" type="checkbox"/> | <i>United States Utility Patent Application Serial No. _____ filed _____</i> |
| <input type="checkbox"/> | <i>United States Patent No(s). _____</i> |
| <input checked="" type="checkbox"/> | <i>Foreign rights, title and interest in the invention including international applications and patents</i> |
| <input checked="" type="checkbox"/> | <i>International (PCT) Patent Application Serial No _____ filed _____</i> |
| <input type="checkbox"/> | <i>Other (specify) _____</i> |
| <input checked="" type="checkbox"/> | <i>This declaration is directed to the international application of which it forms a part</i> |
| <input checked="" type="checkbox"/> | <i>This declaration is directed to the United States Application submitted herewith</i> |

Direct all correspondence to the address associated with Customer No.: 85937

Title of the Invention

HEAT HARVESTING OF END-OF-LIFE WELLS

Whereas, I/we, the below-identified Inventor(s), have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention").

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

I/we believe that I/we are the original inventor(s) of the claimed invention in the application.

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 which 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 and if applicable any amendment specifically referred to above.

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 international applications.

If applicable, I have identified in the request of any international application, in compliance with PCT Rule 4.10, any claim to foreign priority,

I/we desire to assign my/our above-identified rights, title and interest in the Invention to the Assignee;

Therefore, for valuable consideration, the receipt of which is acknowledged, I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said

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

Docket No.:
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application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and any and all reissues and reexaminations thereof, and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right title and interest thereto;

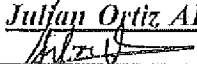
I/we agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Further, this assignment and declaration is intended to be utilized as the required oath of declaration under Rule Paragraph 1.63.

Assignment of Rights, Title and Interest in Invention and Declaration of Invention	Docket No.: COP:42691US01
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I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Assignors

First Inventor: <u>Mohammad H. KALAEI</u> Signature: _____	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: _____ Date: _____
Second Inventor: <u>Benjamin LASCAUD</u> Signature: _____	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: _____ Date: _____
Third Inventor: <u>Thomas J. WHEELER</u> Signature: _____	Address: <u>8610 Fountainbleu, Houston, TX 77024</u> Citizenship: _____ Date: _____
Fourth Inventor: <u>Gustavo A. GOMEZ</u> Signature: _____	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: _____ Date: _____
Fifth Inventor: <u>Julian Ortiz ARANGO</u> Signature: 	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: <u>Canadian</u> Date: <u>November 2, 2023</u>
Sixth Inventor: <u>Harish T. KUMAR</u> Signature: _____	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: _____ Date: _____

Assignee

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.	
Name: <u>ConocoPhillips Company</u>	Mailing Address: <u>925 N. Eldridge Parkway</u> <u>Houston, Texas</u> <u>P. O. Box 4783</u> <u>Houston, TX 77210</u> <u>United States of America</u>
Patent [Attorney/Agent] and Attorney-in-Fact ConocoPhillips Company	

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

Docket No.:
COP:42691US01

Notarization

Executed this 02 day of NOVEMBER in the year 2023

At CALGARY (city ALBERTA (State)

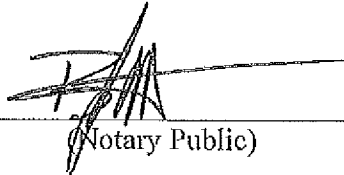
State of _____

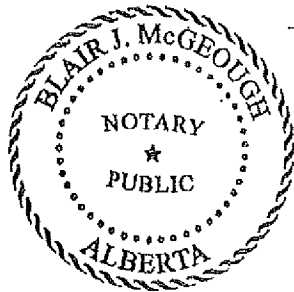
Country CANADA
Commission of _____
OR BA

Before me personally appeared

JULIAN ORTIZ ARANGO

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 02 day of NOVEMBER in the year 2023


(Notary Public)



[SEAL]

BLAIR J. McGEOUGH
A Notary Public in and for the
Province of Alberta.
My Commission
expires at the pleasure of the
Lieutenant Governor-In-Council

My Commission Expires:

N/A

ConocoPhillips Company hereby accepts this Assignment in its entirety on this 7th day of November, 2023.

[Signature]
Michael D. Berger
Lead Patent Agent and
Attorney-in-Fact

Notarization:

Executed this 7th day of November in the year 2023.

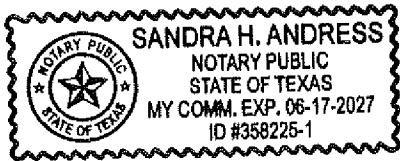
At Houston, Texas

State of Texas)
)
County of Harris)

Before me personally appeared

Michael D. Berger

who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same this 7th day of November in the year 2023.



[Signature]
(Notary Public)

[SEAL]