

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4364895

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LISA I-CHING YEH	03/10/2017
RUGVED P. PATHARE	03/03/2017
ERIC B. SENZER	02/03/2017
CAMDEN N. HENDERSON	03/03/2017
TRACIE L. OWENS	03/29/2017
KENDALL S. FRUCHEY	03/02/2017
TIMOTHY L. HILBERT	03/16/2017
MICHAEL B. CARROLL	02/27/2017
DEBRA A. SYSYN	03/20/2017
KATHLEEN E. EDWARDS	02/27/2017
BRYAN E. HAGEE	03/02/2017
RECEIVING PARTY DATA	
Name:	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY
Street Address:	1545 ROUTE 22 EAST
Internal Address:	P.O. BOX 900
City:	ANNANDALE
State/Country:	NEW JERSEY
Postal Code:	08801-0900
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15390943
CORRESPONDENCE DATA	
Fax Number:	(908)335-3649
<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:	908-335-3202
Email:	jocelyn.k.justice@exxonmobil.com
Correspondent Name:	EXXONMOBIL RESEARCH AND ENGINEERING COMPANY
Address Line 1:	1545 ROUTE 22 EAST
Address Line 2:	P.O. BOX 900

PATENT

Address Line 4: ANNANDALE, NEW JERSEY 08801-0900	
ATTORNEY DOCKET NUMBER:	2016EM404 US 2010-000075
NAME OF SUBMITTER:	SCOTT F. YARNELL
SIGNATURE:	/Scott F. Yarnell/
DATE SIGNED:	04/12/2017
Total Attachments: 7 source=2016EM404-US-2017-04-12-Assignment#page1.tif source=2016EM404-US-2017-04-12-Assignment#page2.tif source=2016EM404-US-2017-04-12-Assignment#page3.tif source=2016EM404-US-2017-04-12-Assignment#page4.tif source=2016EM404-US-2017-04-12-Assignment#page5.tif source=2016EM404-US-2017-04-12-Assignment#page6.tif source=2016EM404-US-2017-04-12-Assignment#page7.tif	

27810

27810
PATENT TRADEMARK OFFICE

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

3, 27 February 2017
said application having been executed on the 2, 3, 10, 16, 20, 29 day(s) of March, 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

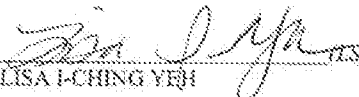
2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date <u>3/10/17</u>	Inventor <u> (LS)</u>	Witness <u></u>
	LISA I-CHING YEH	
Date _____	Inventor _____ (LS)	Witness _____
	RUGVED P. PATHARE	
Date _____	Inventor _____ (LS)	Witness _____
	ERIC B. SENZER	
Date _____	Inventor _____ (LS)	Witness _____
	CAMDEN N. HENDERSON	

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

3, 27 February 2017
said application having been executed on the 2, 3, 10, 16, 20, 29 day(s) of March, 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date _____ Inventor LISA I-CHING YEH (LS) Witness _____

Date 03/03/2017 Inventor R. Pathare (LS) Witness borlie and

Date _____ Inventor ERIC B. SENZER (LS) Witness _____

Date _____ Inventor CAMDEN N. HENDERSON (LS) Witness _____

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

3, 27 February 2017
said application having been executed on the 2, 3, 10, 16, 20, 29 day(s) of March, 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date _____ Inventor _____ (LS) Witness _____
LISA I-CHING YEH

Date _____ Inventor _____ (LS) Witness _____
RUGVED P. PATHARE

Date 2/3/17 Inventor Eric B. Senzer (LS) Witness [Signature]
ERIC B. SENZER

Date _____ Inventor _____ (LS) Witness _____
CAMDEN N. HENDERSON

27810

27810
PATENT TRADEMARK OFFICE

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

3,27 February 2017
said application having been executed on the 2,3,10,16,20,29 day(s) of March, 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date _____ Inventor _____ (LS) Witness _____
LISA I-CHING YEH

Date _____ Inventor _____ (LS) Witness _____
RUGVED P. PATHARE

Date _____ Inventor _____ (LS) Witness _____
ERIC B. SENZER

Date March 3, 2017 Inventor [Signature] (LS) Witness [Signature]
CAMDEN N. HENDERSON

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

said application having been executed on the 3, 27 February 2017
2, 3, 10, 16, 20, 29 day(s) of March 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date <u>3/27/17</u>	Inventor <u>[Signature]</u> (LS) TRACIE L. OWENS	Witness <u>[Signature]</u>
Date _____	Inventor _____ (LS) KENDALL S. FRUCHEY	Witness _____
Date _____	Inventor _____ (LS) TIMOTHY L. HILBERT	Witness _____
Date _____	Inventor _____ (LS) MICHAEL B. CARROLL	Witness _____

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

said application having been executed on the 3, 27 February 2017
2, 3, 10, 16, 20, 29 day(s) of March 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the manner of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME:

Date _____	Inventor _____ (LS)	Witness _____
	TRACIE L. OWENS	
Date <u>3/2/2017</u>	Inventor <u>Kendall S. Fruchey</u> (LS)	Witness <u>Atopkins</u>
	KENDALL S. FRUCHEY	
Date <u>2/16/17</u>	Inventor <u>Timothy L. Hilbert</u> (LS)	Witness <u>Atopkins</u>
	TIMOTHY L. HILBERT	
Date <u>2/27/17</u>	Inventor <u>Michael B. Carroll</u> (LS)	Witness <u>Atopkins</u>
	MICHAEL B. CARROLL	

Application Serial No. 15/390,943

EMRE Docket No. 2016EM404

ASSIGNMENT
INVENTOR or INVENTORS:

LISA I-CHING YEH	RUGVED P. PATHARE	ERIC B. SENZER	CAMDEN N. HENDERSON
TRACIE L. OWENS	KENDALL S. FRUCHEY	TIMOTHY L. HILBERT	MICHAEL B. CARROLL
DEBRA A. SYSYN	KATHLEEN E. EDWARDS	BRYAN E. HAGEE	

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

BRIGHT STOCK PRODUCTION FROM DEASPHALTED OIL

said application having been executed on the 3, 27 February 2017
2, 3, 10, 16, 20, 29 day(s) of March 2017, and being further identified as EMRE Docket No. 2016EM404; all rights of priority created by said application under provisions of international convention or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date <u>3-20-17</u>	Inventor <u>Debra A. Sysyn</u> (LS) DEBRA A. SYSYN	Witness <u>Attykins</u>
Date <u>2-27-17</u>	Inventor <u>Kathleen E. Edwards</u> (LS) KATHLEEN E. EDWARDS	Witness <u>Attykins</u>
Date <u>3-2-17</u>	Inventor <u>Bryan E. Hagee</u> (LS) BRYAN E. HAGEE	Witness <u>Attykins</u>