

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4945352

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|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| STEPHEN H. BROWN | 04/17/2018 |
| BRIAN A. CUNNINGHAM | 04/25/2018 |
| RANDOLPH J. SMILEY | 04/20/2018 |
| SAMIA ILIAS | 04/17/2018 |
| BRENDA A. RAICH | 04/18/2018 |
| TIEN V. LE | 05/02/2018 |
| 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: | 15933422 |
| 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: | 908-335-3605 |
| Email: | kimberly.m.shapiro@exxonmobil.com |
| Correspondent Name: | EXXONMOBIL RESEARCH AND ENGINEERING COMPANY |
| Address Line 1: | 1545 ROUTE 22 EAST |
| Address Line 2: | P.O. BOX 900 |
| Address Line 4: | ANNANDALE, NEW JERSEY 08801-0900 |
| ATTORNEY DOCKET NUMBER: | 2017EM107-US2 |
| NAME OF SUBMITTER: | JOSEPH E. WRKICH |
| SIGNATURE: | /Joseph E. Wrkich/ |
| DATE SIGNED: | 05/03/2018 |

PATENT

Total Attachments: 4

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Application Serial No. 15:933,422

EMRE Docket No. 2017EM107-US2

ASSIGNMENT
INVENTOR or INVENTORS:

STEPHEN H. BROWN BRIAN A. CUNNINGHAM RANDOLPH J. SMILEY

SAMIA ILIAS BRENDA A. RAICH TIEN V. LE

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

RESID UPGRADING WITH REDUCED COKE FORMATION

17th, 18th, 20, & 25th April

said application having been executed on the 2nd day(s) of May, 2018, and being further identified as EMRE Docket No. 2017EM107-US2; 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 4-17-18 Inventor [Signature] (LS) Witness [Signature]
STEPHEN H. BROWN

Date _____ Inventor _____ (LS) Witness _____
BRIAN A. CUNNINGHAM

Date 4-20-18 Inventor [Signature] (LS) Witness _____
RANDOLPH J. SMILEY

Date 4-17-18 Inventor [Signature] (LS) Witness [Signature]
SAMIA ILIAS

27810

27810
PATENT TRADEMARK OFFICE

Application Serial No. 15/933,422

EMRE Docket No. 2017EM107-US2

ASSIGNMENT
INVENTOR or INVENTORS:

STEPHEN H. BROWN BRIAN A. CUNNINGHAM RANDOLPH J. SMILEY
SAMIA ILIAS BRENDA A. RAICH TIEN V. LE

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

Date _____ Inventor STEPHEN H. BROWN (LS) Witness _____

Date 25 Apr. 2018 Inventor  (LS) Witness 

Date _____ Inventor RANDOLPH J. SMILEY (LS) Witness _____

Date _____ Inventor SAMIA ILIAS (LS) Witness _____

Application Serial No. 15:933,422

EMRE Docket No. 2017EM107-US2

ASSIGNMENT
INVENTOR or INVENTORS:

STEPHEN H. BROWN BRIAN A. CUNNINGHAM RANDOLPH J. SMILEY
SAMIA ILIAS BRENDA A. RAICH TIEN V. LE

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

Date 4/18/2018 Inventor Brenda A. Raich Witness [Signature]
BREND A. RAICH
Date _____ Inventor _____ (LS) Witness _____
TIEN V. LE

27810

27810
PATENT TRADEMARK OFFICE

Application Serial No. 15/933,422

EMRE Docket No. 2017EM107-US2

ASSIGNMENT
INVENTOR or INVENTORS:

STEPHEN H. BROWN BRIAN A. CUNNINGHAM RANDOLPH J. SMILEY

SAMIA ILIAS BRENDA A. RAICH TIEN V. LE

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Date _____ Inventor BRENDA A. RAICH (LS) Witness _____
Date 5/2/2018 Inventor Tien V. Le (LS) Witness Jack Smiley
TIEN V. LE