

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|---|---------------|----------------|---------------------|------------|---------------|------------|-----------------|------------|--------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Abhimanyu O. Patil</td> <td>08/19/2013</td> </tr> <tr> <td>Satish Bodige</td> <td>08/19/2013</td> </tr> <tr> <td>L. Oscar Farnig</td> <td>08/29/2013</td> </tr> <tr> <td>Kathryn L. Peretti</td> <td>08/23/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Abhimanyu O. Patil | 08/19/2013 | Satish Bodige | 08/19/2013 | L. Oscar Farnig | 08/29/2013 | Kathryn L. Peretti | 08/23/2013 |
| Name | Execution Date | | | | | | | | | | |
| Abhimanyu O. Patil | 08/19/2013 | | | | | | | | | | |
| Satish Bodige | 08/19/2013 | | | | | | | | | | |
| L. Oscar Farnig | 08/29/2013 | | | | | | | | | | |
| Kathryn L. Peretti | 08/23/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| Internal Address: | P.O. Box 900 | | | | | | | | | | |
| City: | Annandale | | | | | | | | | | |
| State/Country: | NEW JERSEY | | | | | | | | | | |
| Postal Code: | 08801-0900 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14017721</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14017721 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 14017721 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 2012EM288-US2 | | | | | | | | | | |
| NAME OF SUBMITTER: | Robert A. Migliorini | | | | | | | | | | |

| | |
|---|------------------------|
| Signature: | /Robert A. Migliorini/ |
| Date: | 09/09/2013 |
| Total Attachments: 3 source=2012EM288-US2-Assignment#page1.tif source=2012EM288-US2-Assignment#page2.tif source=2012EM288-US2-Assignment#page3.tif | |

ASSIGNMENT
INVENTOR or INVENTORS:

Abhimanyu O. Patil

Satish Bodige

L. Oscar Farnig

Kathryn L. Peretti

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

LUBRICANT AND FUEL DISPERSANTS AND METHODS OF PREPARATION THEREOF

said application having been executed on the 19, 23, 29 day(s) of August 2013, and being further identified as Case Number _____; and all rights of priority created by said application under provisions of international conventions 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 therefore 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 8/19/2013 Inventor [Signature] (LS) Abhimanyu O. Patil Witness [Signature]

Date 8/19/13 Inventor [Signature] (LS) Satish Bodige Witness [Signature]

Date _____ Inventor _____ (LS) L. Oscar Farnig Witness _____

Date _____ Inventor _____ (LS) Kathryn L. Peretti Witness _____

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Family Number: 2012EM288-US2

ASSIGNMENT
INVENTOR or INVENTORS:

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Satish Bodige

L. Oscar Farnig

Kathryn L. Peretti

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Date _____ Inventor _____ (LS) Witness _____
Abhimanyu O. Patil

Date _____ Inventor _____ (LS) Witness _____
Satish Bodige

Date 8/29/2013 Inventor L. Oscar Farnig (LS) Witness David J. Rullar

Date _____ Inventor _____ (LS) Witness _____
Kathryn L. Peretti

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Family Number: 2012EM288-US2

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Satish Bodge

L. Oscar Farnag

Kathryn L. Peretti

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Date _____ Inventor Satish Bodge (LS) Witness _____

Date _____ Inventor L. Oscar Farnag (LS) Witness _____

Date 8/23/13 Inventor Kathryn L. Peretti (LS) Witness [Signature]

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

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