

PATENT ASSIGNMENT

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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>Lisa I. Yeh</td> <td>06/10/2010</td> </tr> <tr> <td>Jeffrey H. Farenback-Brateman</td> <td>06/10/2010</td> </tr> <tr> <td>Charles H. Schleyer</td> <td>06/10/2010</td> </tr> <tr> <td>Mike T. Noorman</td> <td>06/14/2010</td> </tr> </tbody> </table>		Name	Execution Date	Lisa I. Yeh	06/10/2010	Jeffrey H. Farenback-Brateman	06/10/2010	Charles H. Schleyer	06/10/2010	Mike T. Noorman	06/14/2010
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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											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12799056</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12799056						
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Application Number:	12799056										
CORRESPONDENCE DATA											
Fax Number:	(908)730-3649										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	2009EM142-US2										
NAME OF SUBMITTER:	Linda M. Scurzo										

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Total Attachments: 1
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ASSIGNMENT
INVENTOR or INVENTORS:

LISA I. YEH JEFFREY H. FARENBACK-BRATEMAN
CHARLES H. SCHLEYER MIKE T. NOORMAN

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

EXPANDING THE OPERATING ENVELOPE OF ADVANCED COMBUSTION ENGINES

said application having been executed on the 10th & 14th day(s) of June 2010, and being further identified as LMS-1003; 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 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 June 10, 2010 Inventor *Lisa I. Yeh* (LS) Witness *Kevin E. Hall*

LISA I. YEH

Date June 10, 2010 Inventor *Jeffrey H. Farenback-Brate* (LS) Witness *Paul R. ...*

JEFFREY H. FARENBACK-BRATEMAN

Date June 10, 2010 Inventor *Charles H. Schleyer* (LS) Witness *Dave Waller*

CHARLES H. SCHLEYER

Date June 14, 2010 Inventor *Mike T. Noorman* (LS) Witness *Michael ...*

MIKE T. NOORMAN

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____