

## 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>Pavel Kriz</td> <td>11/05/2012</td> </tr> <tr> <td>Katherine L. Sokol</td> <td>11/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Pavel Kriz	11/05/2012	Katherine L. Sokol	11/05/2012
Name	Execution Date						
Pavel Kriz	11/05/2012						
Katherine L. Sokol	11/05/2012						
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>13623271</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13623271		
Property Type	Number						
Application Number:	13623271						
CORRESPONDENCE DATA							
Fax Number:	9087303649						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	908-730-3605						
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ATTORNEY DOCKET NUMBER:	2012EM285						
NAME OF SUBMITTER:	Robert A. Migliorini						
Total Attachments: 2 source=2012EM285-US-ASSIGNMENT#page1.tif source=2012EM285-US-ASSIGNMENT#page2.tif							

CH \$40.00 13623271

ASSIGNMENT  
INVENTOR or INVENTORS:

Pavel Kriz

Katherine L. Sokol

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

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said application having been executed on the 20<sup>th</sup> day(s) of September 2012, and being further identified as Case Number RAM-1228; and all rights of priority created by said application under provisions of international conventions or treaties.

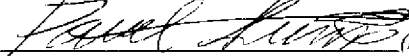
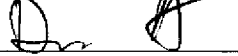
2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any 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 Nov 5, 2012 Inventor  (LS) Witness 

Pavel Kriz

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Katherine L. Sokol

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

ASSIGNMENT  
INVENTOR or INVENTORS:

Pavel Kriz

Katherine L. Sokol

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

Date \_\_\_\_\_ Inventor Pavel Kriz (LS) Witness \_\_\_\_\_

Date 5-NOV-12 Inventor Katherine L. Sokol (LS) Witness [Signature]

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_