

## PATENT ASSIGNMENT COVER SHEET

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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>FRANK C. WANG</td> <td>10/08/2013</td> </tr> <tr> <td>KUANGNAN QIAN</td> <td>10/21/2013</td> </tr> <tr> <td>KATHLEEN E. EDWARDS</td> <td>10/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	FRANK C. WANG	10/08/2013	KUANGNAN QIAN	10/21/2013	KATHLEEN E. EDWARDS	10/21/2013
Name	Execution Date								
FRANK C. WANG	10/08/2013								
KUANGNAN QIAN	10/21/2013								
KATHLEEN E. EDWARDS	10/21/2013								
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>14061086</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14061086				
Property Type	Number								
Application Number:	14061086								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	2013EM258								
NAME OF SUBMITTER:	GLENN T. BARRETT								

Signature:	/Glenn T. Barrett/
Date:	10/23/2013
Total Attachments: 1 source=2013EM258-Assignment#page1.tif	

ASSIGNMENT  
INVENTOR or INVENTORS:

Frank C. WANG

Kuangnan QIAN

Kathleen E. EDWARDS

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:

INTEGRATED HYDROCARBON ANALYSIS

said application having been executed on the \_\_\_\_\_ day(s) of \_\_\_\_\_, and being further identified as Case Number 2013EM258; 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 <u>Oct 8, 2013</u>	Inventor <u>Frank C Wang</u> (LS) Frank C. WANG	Witness <u>[Signature]</u>
Date <u>Oct 21, 2013</u>	Inventor <u>[Signature]</u> (LS) Kuangnan QIAN	Witness <u>[Signature]</u>
Date <u>Oct 21, 2013</u>	Inventor <u>[Signature]</u> (LS) Kathleen E. EDWARDS	Witness <u>[Signature]</u>