

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>Shinichiro YANAGAWA</td> <td>09/05/2012</td> </tr> <tr> <td>Masahide KOBAYASHI</td> <td>09/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shinichiro YANAGAWA	09/05/2012	Masahide KOBAYASHI	09/05/2012				
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<table border="1"> <tr> <td>Name:</td> <td>JX NIPPON OIL & ENERGY CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>6-3, Otemachi 2-chome, Chiyoda-ku,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8162</td> </tr> </table>		Name:	JX NIPPON OIL & ENERGY CORPORATION	Street Address:	6-3, Otemachi 2-chome, Chiyoda-ku,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8162
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PROPERTY NUMBERS Total: 1											
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Application Number:	13634118										
CORRESPONDENCE DATA											
Fax Number:	2124255288										
Phone:	212-425-7200										
Email:	kchanparsons@kenyon.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	KENYON & KENYON LLP										
Address Line 1:	ONE BROADWAY										
Address Line 4:	NEW YORK, NEW YORK 10004										
ATTORNEY DOCKET NUMBER:	15299/9										
NAME OF SUBMITTER:	Weining Wang										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 13634118

ASSIGNMENT

IN CONSIDERATION of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to JX Nippon Oil & Energy Corporation, a corporation of Japan, having a principal place of business at 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled: **METHOD FOR PRODUCING MONOCYCLIC AROMATIC HYDROCARBONS**

the specification of which is attached hereto unless the following is entered:

Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
25/March/2011	PCT/JP2011/057299	

NOW, THEREFORE, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said invention, said patent application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said invention in any and all countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said invention, or upon said patent application, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said invention or upon said patent application, and every priority right that is or may be predicated upon or arise from said invention, said patent application, and said Letters Patent(s).

2. Authorize Assignee to file patent applications in any or all countries for said invention in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as Assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said invention, patent application, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said invention; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

2010-071743 US
OSP-39741 譲 2/2

Inventor: **Shinichiro YANAGAWA**

Inventor Signature <i>Shinichiro Yanagawa</i>	Date September 5, 2012
Witness Signature	Date
Print Witness Name	

Inventor: **Masahide KOBAYASHI**

Inventor Signature <i>Masahide Kobayashi</i>	Date September 5, 2012
Witness Signature	Date
Print Witness Name	

Inventor:

Inventor Signature	Date
Witness Signature	Date
Print Witness Name	

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Print Witness Name	

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Witness Signature	Date
Print Witness Name	