

## 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>SHINICHIRO YANAGAWA</td> <td>10/04/2013</td> </tr> <tr> <td>RYOJI IDA</td> <td>10/04/2013</td> </tr> <tr> <td>MASAHIDE KOBAYASHI</td> <td>10/04/2013</td> </tr> <tr> <td>YASUYUKI IWASA</td> <td>10/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHINICHIRO YANAGAWA	10/04/2013	RYOJI IDA	10/04/2013	MASAHIDE KOBAYASHI	10/04/2013	YASUYUKI IWASA	10/04/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>JX NIPPON OIL &amp; ENERGY CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>6-3, OTEMACHI 2-CHOME,</td> </tr> <tr> <td>City:</td> <td>CHIYODA-KU, 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,	City:	CHIYODA-KU, TOKYO	State/Country:	JAPAN	Postal Code:	100-8162
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14007193</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14007193						
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CORRESPONDENCE DATA											
Fax Number:	(215)965-1331										
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	SHERYL NEUMANN (688243-30US)										
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ATTORNEY DOCKET NUMBER:	688243.0030										
NAME OF SUBMITTER:	SHERYL R. NEUMANN										

Signature:	/SHERYL R. NEUMANN/
Date:	11/12/2013
Total Attachments: 2 source=00565419#page1.tif source=00565419#page2.tif	

2011-067749US  
OSP-49841  
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Attorney Docket No.: 688243-30US  
Ref. No.: OSP-49841

ASSIGNMENT

(PATENT APPLICATION)

WHEREAS, we, ("ASSIGNORS"):

<u>Inventor</u>	<u>Citizenship</u>	<u>Address</u>
Shinichiro YANAGAWA	Japan	c/o JX Nippon Oil & Energy Corporation, 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan
Ryoji IDA	Japan	c/o JX Nippon Oil & Energy Corporation, 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan
Masahide KOBAYASHI	Japan	c/o JX Nippon Oil & Energy Corporation, 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan
Yasuyuki IWASA	Japan	c/o JX Nippon Oil & Energy Corporation, 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan

having invented a certain new and useful invention entitled:

METHOD FOR PRODUCING MONOCYCLIC AROMATIC HYDROCARBONS

for which a United States patent application is to be filed or has been filed on September 24, 2013 under U.S. Patent Application No. 14/007,193; and

WHEREAS, ("ASSIGNEE"):

JX Nippon Oil & Energy Corporation of 6-3, Otemachi 2-chome,  
Chiyoda-ku, Tokyo 100-8162 Japan and

is desirous of acquiring the entire right, title and interest in and to the invention throughout the United States and the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all countries throughout the world;

FOR GOOD and VALUABLE CONSIDERATION, the full receipt and sufficiency of which are hereby acknowledged, ASSIGNORS, intending to be legally bound, do hereby:

AUTHORIZE said ASSIGNEE, or its representatives to insert above the filing date and application number of the application when these are known;

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SELL, ASSIGN, TRANSFER and CONVEY to ASSIGNEE the whole and entire right, title and interest for the United States and its possessions and territories and all foreign countries in and to the invention which is disclosed in the above-identified patent application, and, in and to any and all patent applications related thereto including, but not limited to, all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues and all other applications for patent which have been or shall be filed in the United States and all foreign countries on the invention; all original, reissued and reexamined patents and extensions thereof which have been or shall be issued in the United States and all foreign countries on the invention to the full end of the term or terms for which the patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNOR(S) had this Assignment not been made; and specifically including all rights of priority created by the above patent application under any treaty, convention or law relating thereto;

AUTHORIZE and REQUEST the issuing authority to issue any and all United States and foreign patents granted on the invention to ASSIGNEE;

WARRANT and REPRESENT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by ASSIGNORS, and that the full right to convey the same as herein expressed is possessed by ASSIGNORS;

AGREE and UNDERTAKE, when requested and at the expense of ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, ASSIGNORS will execute all non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues, and all other patent applications on the invention; execute all lawful oaths, declarations, assignments, powers of attorney and other papers; communicate to ASSIGNEE all facts known to ASSIGNORS relating to the invention and the history thereof; and generally do everything possible which ASSIGNEE shall consider desirable for vesting title to the invention in ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for the invention; all without further compensation to ASSIGNORS;

TO BE BINDING on the heirs, assigns, representatives and successors of ASSIGNORS and extending to the successors, assigns, and nominees of ASSIGNEE.

October 4, 2013	<i>Shinichiro Yanagawa</i>
Date	Shinichiro YANAGAWA
October 4, 2013	<i>Ryoji Ida</i>
Date	Ryoji IDA
October 4, 2013	<i>Masahide Kobayashi</i>
Date	Masahide KOBAYASHI
October 4, 2013	<i>Yasuyuki Iwasa</i>
Date	Yasuyuki IWASA