

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHINICHIRO YANAGAWA	11/26/2013
YUICHIRO FUJIYAMA	11/26/2013
YASUYUKI IWASA	11/26/2013
RYOJI IDA	11/26/2013
MASAHIDE KOBAYASHI	11/26/2013
SUSUMU YASUI	12/05/2013
YOSHISHIGE SUGI	12/05/2013
ATSUSHI FUKUI	12/05/2013
ATSURO NAGUMO	12/05/2013

RECEIVING PARTY DATA

Name:	JX NIPPON OIL & ENERGY CORPORATION
Street Address:	6-3, OTEMACHI 2-CHOME, CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8162
Name:	CHIYODA CORPORATION
Street Address:	4-6-2, MINATOMIRAI, NISHI-KU, YOKOHAMA-SHI,
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	220-8765

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14119281

CORRESPONDENCE DATA

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PATENT

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NAME OF SUBMITTER: SHERYL R. NEUMANN

SIGNATURE: /SHERYL R. NEUMANN/

DATE SIGNED: 03/11/2014

Total Attachments: 4

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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
Yuichiro FUJIYAMA	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
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
Susumu YASUI	Japan	c/o CHIYODA CORPORATION, 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 Japan
Yoshishige SUGI	Japan	c/o CHIYODA CORPORATION, 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 Japan
Atsushi FUKUI	Japan	c/o CHIYODA CORPORATION, 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 Japan
Atsuro NAGUMO	Japan	c/o CHIYODA CORPORATION, 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 Japan

having invented a certain new and useful invention entitled:

2011-115639 US 2/3
OSP. 51000 US

METHOD FOR PRODUCING MONOCYCLIC AROMATIC HYDROCARBONS

for which a United States patent application is to be filed or has been filed on November 21, 2013 under U.S. Patent Application No. 14/119,281; and

WHEREAS, ("ASSIGNEE"):

- (1) JX Nippon Oil & Energy Corporation of 6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8162 Japan and
- (2) CHIYODA CORPORATION of 4-6-2, Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8765 Japan,

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;

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.

November 26, 2013 Date	<u>Shinichiro Yanagawa</u> Shinichiro YANAGAWA
November 26, 2013 Date	<u>Yudichiro Fujiyama</u> Yudichiro FUJIYAMA
November 26, 2013 Date	<u>Yasuyuki Iwasa</u> Yasuyuki IWASA
November 26, 2013 Date	<u>Ryoji Ida</u> Ryoji IDA
November 26, 2013 Date	<u>Masahide Kobayashi</u> Masahide KOBAYASHI
_____ Date	_____ Susumu YASUI
_____ Date	_____ Yoshishige SUGI
_____ Date	_____ Atsushi FUKUI
_____ Date	_____ Atsuro NAGUMO

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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.

_____ Date	_____ Shinichiro YANAGAWA
_____ Date	_____ Yuichiro FUJIYAMA
_____ Date	_____ Yasuyuki IWASA
_____ Date	_____ Ryoji IDA
_____ Date	_____ Masahide KOBAYASHI
December 5, 2013 _____ Date	<i>Susumu Yasui</i> _____ Susumu YASUI
December 5, 2013 _____ Date	<i>Yoshishige Sugi</i> _____ Yoshishige SUGI
December 5, 2013 _____ Date	<i>Atsushi Fukui</i> _____ Atsushi FUKUI
December 5, 2013 _____ Date	<i>Atsuro Nagumo</i> _____ Atsuro NAGUMO