### 503058553 11/12/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3105155

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOSHIHIKO MATSUMOTO	10/08/2014
SHINICHI KOMATSU	10/10/2014

#### **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:	100-862	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14303317

#### **CORRESPONDENCE DATA**

**Fax Number:** (312)577-7007

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (312) 577-7000
Email: LFord@fitcheven.com

Correspondent Name: FITCH, EVEN, TABIN & FLANNERY, LLP Address Line 1: 120 SOUTH LASALLE STREET, SUITE 1600

Address Line 4: CHICAGO, ILLINOIS 60603-3406

ATTORNEY DOCKET NUMBER:	8094/133184
NAME OF SUBMITTER:	LOIS FORD
SIGNATURE:	/Lois Ford/
DATE SIGNED:	11/12/2014

#### **Total Attachments: 4**

source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif

PATENT 503058553 REEL: 034156 FRAME: 0728

For inventions made outside USA executed with or after application Atty. Dkt. 8094/133184

Fitch, Even, Tabin & Flannery LLP 1250 23<sup>rd</sup> Street, N.W., Suite 410 Washington, D.C. 20037

USA Patent Appln. Sole or Joint

# NONPROVISIONAL ASSIGNMENT WITH DECLARATION NONPROVISIONAL OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT	(1)Toshihiko MATSUMOTO	(2) Shinichi KOMATSU
NAME(S) OF	\\\	
INVENTOR(S)		
	ency of which are hereby acknowledge	ed by the undersigned who at the request of, hereby sell(s),
assign(s) and transfer(		, , , , , , , , , , , , , , , , , , ,
assign(s) and dansier(	s) unto:	
INSERT		
NAME(S) OF JX N	IPPON OIL & ENERGY CORPOR	ATION
	) temachi 2-chome, Chiyoda-ku, Tok	
& ADDRESS(ES)_		
(hereinafter designated '	"ASSIGNEE") the entire right, title and in	nterest for the United States of America, in the invention and all
applications including ar	ny divisions, continuations, substitutes, reis	sues, and reexaminations thereof: and all resulting patents, known
as:		
	2-SPIRO- $lpha$ -CYCLOALKANONE- $lpha$ '-SPIF	
	CARBOXYLIC DIANHYDRIDE, NORBO	
	NE-α'-SPIRO-2"-NORBORNANE-5,5"	
	YLIC ACID AND ESTER THEREOF, I	
	ORBORNANE-2-SPIRO-α-CYCLOALK	
	NE-5,5",6,6"-TETRACARBOXYLIC DI	
	FAINED BY USING THE SAME, AND	METHOD FOR
PRODUCING PO	LYIMIDE	
	for which an application for Letters Pa	atents of the United States of America:
NOTE→→	(A) □ was executed on even date	herewith
(Complete	(B) □ executed on	
line A, B and/or C)	(C) ■ was filed June 12, 2014 as l	U.S. Application 14/303,317,
,		
AND I hereby I	Declare (1) the above-identified application	n was made or authorized to be made by me; (2) I have reviewed the
above-identified applica	tion and understand the contents of the abo	ove-identified specification; (3) I acknowledge the duty to disclose
information which is known	own to me to be material to patentability as	defined in Title 37, Code of Federal Regulations, §1.56; and (4)

AND I hereby Declare (1) the above-identified application was made or authorized to be made by me; (2) I have reviewed the above-identified application and understand the contents of the above-identified specification; (3) I acknowledge the duty to disclose information which is known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56; and (4) I believe I am the original inventor or an original joint inventor of a claimed invention in this application. I hereby acknowledge that any willful false statement in the aforesaid Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE:
AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE→→ The undersigned hereby authorize(s) Fitch, Even, Tabin & Flannery LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

PATENT REEL: 034156 FRAME: 0729 1)

Ot. 8, 2014 Untit

Name: Toshihiko MATSUMOTO

3012-39, Iiyama

Atsugi-shi, Kanagawa 243-0213 JAPAN

2)

Name: Shinichi KOMATSU

c/o JX Nippon Oil & Energy Corporation 6-3, Otemachi 2-chome, Chiyoda-ku Tokyo 100-8162 JAPAN

**PATENT** 

**REEL: 034156 FRAME: 0730** 

For inventions made outside USA executed with or after application Atty. Dkt. 8094/133184

Fitch, Even, Tabin & Flannery LLP 1250 23<sup>rd</sup> Street, N.W., Suite 410 Washington, D.C. 20037

USA Patent Appln. Sole or Joint

#### ASSIGNMENT WITH DECLARATION NONPROVISIONAL NONPROVISIONAL OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT	(1) Toshihiko MATSUMOTO (2) Shinichi KOMATSU
NAME(S) OF	
INVENTOR(S)	
•	ency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s),
assign(s) and transfer(s	o) unto:
TALCIE IDEE	
INSERT	PPON OIL & ENERGY CORPORATION
	temachi 2-chome, Chiyoda-ku, Tokyo 100-862 JAPAN
& ADDRESS(ES)_	termetal a chome carjode her acted to account
` /	
	ASSIGNEE") the entire right, title and interest for the United States of America, in the invention and all
• • • • • • • • • • • • • • • • • • • •	y divisions, continuations, substitutes, reissues, and reexaminations thereof: and all resulting patents, known
as: NORRORNANE-2	-SPIRO-α-CYCLOALKANONE-α'-SPIRO-2"-NORBORNANE-
	ARBOXYLIC DIANHYDRIDE, NORBORNANE-2-SPIRO-α-
	NE-α'-SP!RO-2''-NORBORNANE-5,5'',6,6''-
	YLIC ACID AND ESTER THEREOF, METHOD FOR
	RBORNANE-2-SPIRO-α-CYCLOALKANONE-α'-SPIRO-
	E-5,5",6,6"-TETRACARBOXYLIC DIANHYDRIDE,
POLYIMIDE OBT	AINED BY USING THE SAME, AND METHOD FOR
PRODUCING POI	TIMIDE
	for which an application for Letters Patents of the United States of America:
<u>NOTE</u> →→	(A) 🗆 was executed on even date herewith
(Com plete	(B) □ executed on
line A, B and/or C)	(C) ■ was filed June 12, 2014 as U.S. Application 14/303,317,
	Declare (1) the above-identified application was made or authorized to be made by me; (2) I have reviewed the ion and understand the contents of the above-identified specification; (3) I acknowledge the duty to disclose
	own to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56; and (4) I
	inventor or an original joint inventor of a claimed invention in this application. I hereby acknowledge that any
	the aforesaid Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five
	•

(5) years, or both;

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE→→ The undersigned hereby authorize(s) Fitch, Even, Tabin & Flannery LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

> **PATENT** REEL: 034156 FRAME: 0731

INVENTORS DATE SIGNED WITNESSES

1) Name: Toshihiko MATSUMOTO

3012-39, liyama

Atsugi-shi, Kanagawa 243-0213 JAPAN

2) Shinichi Komatsy act. 10,2014 Jahayal matsumute

Name: Shinichi KOMATSU

c/o JX Nippon Oil & Energy Corporation 6-3, Otemachi 2-chome, Chiyoda-ku

Tokyo 100-8162 JAPAN

PATENT REEL: 034156 FRAME: 0732

**RECORDED: 11/12/2014**