

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Hideki ONO</td> <td>08/14/2012</td> </tr> <tr> <td>Yoshiyuki NAGAYASU</td> <td>08/21/2012</td> </tr> <tr> <td>Kazuaki HAYASAKA</td> <td>08/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hideki ONO	08/14/2012	Yoshiyuki NAGAYASU	08/21/2012	Kazuaki HAYASAKA	08/20/2012		
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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:	13581948										
CORRESPONDENCE DATA											
Fax Number:	7037161180										
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Total Attachments: 1 source=P42546_appl#page1.tif											

OP \$40.00 13581948

PATENT

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For Non

ASSIGNMENT

Whereas, I/we,

NameAddress

1) Hideki ONO

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

2) Yoshiyuki NAGAYASU

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

3) Kazuaki HAYASAKA

6-3, Otemachi 2-chome,
Chiyoda-ku, Tokyo 100-8162 Japan

hereinafter called assignor(s), have invented certain improvements in

**METHOD FOR MANUFACTURING A REGENERATED FISCHER-TROPSCH SYNTHESIS CATALYST, AND
HYDROCARBON MANUFACTURING METHOD**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

JX Nippon Oil & Energy Corporation

6-3, Otemachi 2-chome,
Chiyoda-ku, Tokyo 100-8162 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to
this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States
which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of
Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and
assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal
proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or
desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,
continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its
successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being
understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and
assigns.

INVENTORSDATE SIGNED

1):

Name:

Hideki Ono

Hideki ONO

August 14, 2012

2):

Name:

Yoshiyuki Nagayasu

Yoshiyuki NAGAYASU

August 21, 2012

3):

Name:

Kazuaki Hayasaka

Kazuaki HAYASAKA

August 20, 2012

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

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RECORDED: 08/30/2012

REEL: 028877 FRAME: 0213