

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tatsuo HAMAMATSU	03/31/2011
Hideki ONO	03/18/2011
Yasutoshi IGUCHI	03/28/2011
Hideshi IKI	03/29/2011
Yoshihiko KINOSHITA	04/08/2011
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13119310
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Total Attachments: 2 source=P39782_Assignment#page1.tif source=P39782_Assignment#page2.tif	

OP \$40.00 13119310

ASSIGNMENT

Whereas, I/we, Name	Address
1) Tatsuo HAMAMATSU	c/o JX Nippon Oil & Energy Corporation, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 Japan
2) Hideki ONO	c/o JX Nippon Oil & Energy Corporation, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 Japan
3) Yasutoshi IGUCHI	c/o JX Nippon Oil & Energy Corporation, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 Japan
4) Hideshi IKI	c/o JX NIPPON RESEARCH INSTITUTE, 8, Chidori-cho, Naka-ku, Yokohama-shi, Kanagawa 231-0815 Japan
5) Yoshihiko KINOSHITA	6-3, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 Japan

hereinafter called assignor(s), have invented certain improvements in
PROCESS FOR PRODUCING HYDROCARBON OIL

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

filed on March 16, 2011, Serial No. 13/119310; 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):	<u>Hamamatsu Tatsuo</u>	<u>March 31, 2011</u>
Name:	Tatsuo HAMAMATSU	
2):	<u>Hideki Ono</u>	<u>March 18, 2011</u>
Name:	Hideki ONO	
3):	<u>Yasutoshi Iguchi</u>	<u>March 28, 2011</u>
Name:	Yasutoshi IGUCHI	
4):	<u>Hideshi Iki</u>	<u>March 29, 2011</u>
Name:	Hideshi IKI	

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

5):
Name:

Yoshihiko Kinoshita
Yoshihiko KINOSHITA

April 8, 2011

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

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