

09-25-2000

Express Mail Label No.: None



R SHEET

9-11-00

101469786

Box Assignment
Commissioner of Patents and Trademarks
Washington, DC 20231

September 6, 2000

Atty. Ref.: Furuya Case 1380

Please record the attached original document or copy thereof.

Name of Conveying Parties: (1) Hidetsugu FUKUYAMA, (2) Koji OHTSUKA,
(3) Satoshi TERAII and (4) Shuhei SAWAMOTO

Name and Address of Receiving Parties:

(1) PETROLEUM ENERGY CENTER
4-3-9, Toranomom,
Minato-ku, Tokyo
JAPAN

and

(2) TOYO ENGINEERING CORPORATION
2-5, Kasumigaseki 3-chome,
Chiyoda-ku, Tokyo
JAPAN

Nature of Conveyance:

☒ Assignment ☐ Security Agreement ☐ Merger ☐ License
☐ Change of Name ☐ Other:

Execution Date of Document: June 2, 2000

If this document is being filed together with a new application, the execution date of the application is: ---

Patent Application Numbers:
09/560 047

Patent Numbers:

Total Number of Applications and Patents Involved: 1. An enclosed check includes the recording fee of \$40.00. The Commissioner is hereby authorized to credit any overpayment, or to charge any additional recording fee required by this paper, to Deposit Account No. 06-1382.

Mail correspondence concerning
the document to:

FLYNN, THIEL, BOUTELL & TANIS, P.C.
2026 Rambling Road
Kalamazoo, MI 49008-1699

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Respectfully submitted,

TFC/smd

Terryence F. Chapman

FLYNN, THIEL, BOUTELL
& TANIS, P.C.
2026 Rambling Road
Kalamazoo, MI 49008-1699
Phone: (616) 381-1156
Fax: (616) 381-5465

Dale H. Thiel
David G. Boutell
Ronald J. Tanis
Terryence F. Chapman
Mark L. Maki
David S. Goldenberg
Sidney B. Williams, Jr.
Liane L. Churney
Brian R. Tumm

Reg. No. 24 323
Reg. No. 25 072
Reg. No. 22 724
Reg. No. 32 549
Reg. No. 36 589
Reg. No. 31 257
Reg. No. 24 949
Reg. No. 40 694
Reg. No. 36 328

09/25/2000 DMGUYEN 00000196 09560047

01 FC:581

40.00 OP

Encl: Assignment
Check
Postal Card

Total number of pages, including cover
sheet, attachments and documents 2

PATENT
REEL: 011090 FRAME: 0255

ASSIGNMENT

United States (Sole or Joint)
(Excluding Foreign Rights)

WHEREAS, I/We, (1) Hidetsugu FUKUYAMA, (2) Koji OHTSUKA, (3) Satoshi TERAJ and (4) Shuhei SAWAMOTO

residing at (1) 2-1-1, Mizuho, Hanamikawa-ku, Chiba-shi, Chiba, Japan,
(2) 2698-1, Kobayashi, Mobara-shi, Chiba, Japan,
(3) 1762, Oguracho, Wakaba-ku, Chiba-shi, Chiba, Japan, and
(4) 4-13-2, Shinden, Ichikawa-shi, Chiba, Japan

have invented certain new and useful improvements in
CATALYST FOR HYDROCRACKING OF HEAVY OILS AND METHOD OF HYDROCRACKING HEAVY OILS

for which an application for United States Letters patent was
filed on April 27, 2000 and received U.S. Serial No. 09/560 047.

WHEREAS, (1) PETROLEUM ENERGY CENTER and (2) TOYO ENGINEERING CORPORATION

having a place of business at (1) 4-3-9, Toranomom, Minato-ku, Tokyo, Japan, and
(2) 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo, Japan

hereinafter called the "Assignee", is desirous of acquiring the entire
right, title and interest in and to said invention and in and to any
Letters Patent that may be granted therefor, in the United States and
its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00)
and other valuable considerations, the receipt whereof is hereby
acknowledged, I/we have sold, assigned and transferred, and by these
presents do sell, assign, transfer and confirm in and to said Assignee
my/our full and exclusive right to the said invention in the United
States and its territorial possessions and my/our entire right, title
and interest in and to said application and any and all Letters Patent
which may be granted therefor in the United States and its territorial
possessions and in and to any and all divisions, reissues, continuations
and extensions thereof.

I/We hereby authorize and request the Patent Office Officials in
the United States to issue any and all of said Letters Patent, when
granted, to said Assignee for the sole use and behoof of the said
Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

Witnessed by:

Inventor(s):

Date:

Hidetsugu <i>H. Fukuyama</i>	FUKUYAMA	Jun. 2, 2000
Koji <i>Koji Ohtsuka</i>	OHTSUKA	Jun. 2, 2000
Satoshi <i>S. Tera</i>	TERAI	Jun. 2, 2000
Shuhei <i>Shuhei Sawamoto</i>	SAWAMOTO	Jun. 2, 2000
_____	_____	_____
_____	_____	_____