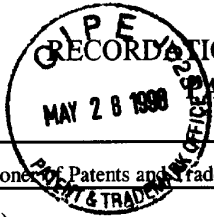


06-11-1998

DEPARTMENT OF COMMERCE
Patent and Trademark Office



100735200

Attorney's Docket No. 029430-373

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshimitsu KOKUBU, Kenji FUJIWARA, Hiroshi
ONO, Harushige SUGAWARA, Kenichi
YAMAMOTO, Takeshi OOMATSUZAWA and
Masamitsu INOMATA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: May 20, 1998

2. Name and address of receiving party(ies):

Name: Mitsui Chemicals, Inc.

Address: 2-5, Kasumigaseki 3-chome, Chiyoda-ku

Tokyo, Japan AND Petroleum Energy Center

3-9, Toranomon 4-chome, Minato-ku

Tokyo, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/028,746

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert G. Mukai

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed

☒ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Robert G. Mukai
Name of Person Signing

Robert G. Mukai
Signature

May 28, 1998
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

06/02/1998 MORDON 00000014 09028746
02 FC:581

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

40.00 DP

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by Yoshimitsu KOKUBU, Kenji FUJIWARA,
Hiroshi ONO, Harushige SUGAWARA, Kenichi YAMAMOTO, Takeshi OOMATSUZAWA and
Masamitsu INOMATA

and
 residing at 3-8-7-747, Nishitoriishi, Takaishi-shi, Osaka, Japan;
2-12-35-2-104, Shinmachi, Otake-shi, Hiroshima, Japan;
3-3-35, Kamo, Takaishi-shi, Osaka, Japan;
3-16-1-201, Nishitoriishi, Takaishi-shi, Osaka, Japan;
4-4-2-301, Kuba, Otake-shi, Hiroshima, Japan;
2-4-9, Waki, Waki-cho, Kuga-gun, Yamaguchi, Japan; and
3-4-1-124, Toriishi, Takaishi-shi, Osaka, Japan

and
 (hereinafter referred to as "the Assignors"), respectively,
 witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in Process for Methanol Production

set forth in an application for
 Letters Patent of the United States, [] which is a provisional application to be filed herewith; []
 which is a non-provisional application having an oath or declaration executed on even date herewith
 prior to filing of application; [X] bearing Application No. 09/028,746, and filed on Feb. 24, 1998; and

WHEREAS, MITSUI CHEMICALS, INCORPORATED, a corporation
 duly organized under and pursuant to the laws of Japan and having its principal place
 of business at 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo, Japan and PETROLEUM
ENERGY CENTER, a corporation duly organized under and pursuant to the laws
 of Japan and having its principal place of business at 3-9, Toranomom
4-chome, Minato-ku, Tokyo, Japan

(hereinafter referred to as "the Assignees"), is desirous of acquiring the
 entire right, title, and interest in and to said inventions, the right to file applications on said
 inventions and the entire right, title and interest in and to any applications, including provisional
 applications for Letters Patent of the United States or other countries claiming priority to said
 application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained
 therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and
 sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold,
 assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over,
 unto the Assignees, its successors, legal representatives, and assigns the entire right, title, and
 interest in and to the above-mentioned inventions, the right to file applications on said inventions
 and the entire right, title and interest in and to any applications for Letters Patent of the United
 States or other countries claiming priority to said applications, and any and all Letters Patent or
 Patents of the United States of America and all foreign countries that may be granted therefor and
 thereon, and in and to any and all applications claiming priority to said applications, divisions,
 continuations, and continuations-in-part of said applications, and reissues and extensions of said
 Letters Patent or Patents, and all rights under the International Convention for the Protection of
 Industrial Property, the same to be held and enjoyed by the Assignees, for its own use and behalf
 and the use and behalf of its successors, legal representatives, and assigns, to the full end of the
 term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same
 would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignees, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignees, its successors, legal representatives, and assigns, but at the cost and expense of the Assignees, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignees as the Assignees of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignees, its successors, legal representatives, and assigns.

Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Yoshimitsu Kokubu</u> Yoshimitsu KOKUBU
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Kenji Fujiwara</u> Kenji FUJIWARA
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Hiroshi Ono</u> Hiroshi ONO
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Harushige Sugawara</u> Harushige SUGAWARA
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Kenichi Yamamoto</u> Kenichi YAMAMOTO
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Takeshi Oomatsuzawa</u> Takeshi OOMATSUZAWA
Date	<u>May 20, 1998</u>	Signature of Assignor	<u>Masamitsu Inomata</u> Masamitsu INOMATA
Date	_____	Signature of Assignor	_____