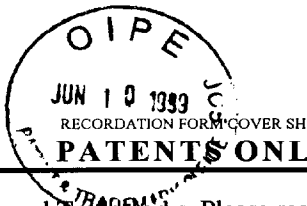


Atty Pocket No.: 3996/0006/2SD(B)

FORM PTO-1595
1-31-92

6-10-99



06-16-1999



101067215

DEPT. OF COMMERCE
Trademark Office

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

1. Name of conveying party(ies):

IDEMITSU PETROCHEMICAL CO., LTD.

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

Name: THE DOW CHEMICAL COMPANY (50%)

Address: 2030 Dow Center
Midland, Michigan 48674 USA

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 4, 1999

Additional name(s) and 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:

A. Patent Application No.(s)

B. Patent No.(s)

SEE ATTACHED ADDENDUM

Additional numbers attached? ☒ Yes ☐ No

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

OBLON, SPIVAK, McCLELLAND, MAIER &
NEUSTADT, P.C.
Attorneys at Law
Fourth Floor
1755 Jefferson Davis Highway
Arlington, Virginia 22202

3996/0006/2SD(B) /klh

6. Total applications and patents involved: 6

7. Total fee (37 CFR 3.41): \$240.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

(Attach duplicate copy of this page if paying by deposit account)

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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.

Marvin J. Spivak

Name of Person Signing

Signature

Date

Registration Number: 24,913

Total number of pages including this cover sheet: 9

06/11/1999 JSBABA22 00000084 5554647

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

PATENT
REEL: 010018 FRAME: 0064

4(B). Patent Nos.

5,254,647

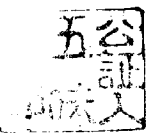
5,283,117

5,306,790

5,318,839

5,597,879

5,037,907



ASSIGNMENT

WHEREAS, IDEMITSU PETROCHEMICAL CO., LTD. of 6-1, Shiba 5-chome, Minato-ku, Tokyo 108, Japan, a corporation organized and existing under the laws of the Country of Japan is the sole and exclusive owner, by assignment, of the Letters Patent of the United States of America listed in the Addendum attached hereto and incorporated by reference; and

WHEREAS, THE DOW CHEMICAL COMPANY of 2030 Dow Center, Midland, Michigan 48674 U.S.A., a corporation organized and existing under the laws of the State of Delaware, United States of America (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring an undivided one-half right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, IDEMITSU PETROCHEMICAL CO., LTD. by these presents do sell, assign, and transfer unto ASSIGNEE an undivided one-half right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the inventions described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said inventions and Letters Patent to be held and enjoyed by the ASSIGNEE to the extent of the interest hereby assigned, for the use and behoof of said ASSIGNEE,



and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of infringement past and present, to the extent hereby assigned, as the same would have been held by us had this Assignment and sale not been made, and consent to the recordal of this Assignment.

IN TESTIMONY WHEREOF, IDEMITSU PETROCHEMICAL CO. LTD. has caused these presents to be signed by its officer thereunto duly authorized.

IDEMITSU PETROCHEMICAL CO., LTD.

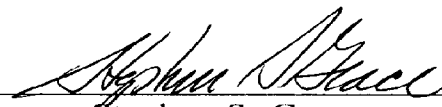
Date: February 4th, 1999

By: 
Name: Kazuto Tominaga
Title: Intellectual Property Manager

Executed at: Minato-ku, Tokyo 108, Japan

THE DOW CHEMICAL COMPANY

Date: February 12, 1999

By: 
Name: Stephen S. Grace
Title: General Patent Counsel

Accepted at: Midland, Michigan 4867 USA

NOTARIAL CERTIFICATE (CORPORATION)

United States of America)
State of Michigan) SS
County of Midland)

On this 12 day of February, 1999, personally appeared before me,

Corporate
Signator's Name
and Title

Stephen S. Grace, General Patent Counsel, The Dow Chemical Company,

known or identified to me to be the individual(s) described in and who executed the foregoing document

Transfer Assignment for and on behalf of The Dow Chemical Company,

Incorporation

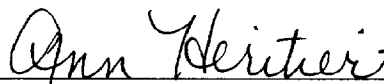
and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of the State of Delaware, United States of America,

Date and
Corporate
Authority of
Signator

I further certify that said authority, dated July 14, 1994, is based on a Resolution of the Board of Directors,

which I have seen, appointing the said individual(s) Attorney-in-Fact, with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

Notary Signature



Print or Type Name
of Notary, Expiration
Date, if any, Title or
Jurisdiction Area

SEAL

Notary Public
ANN HERITIER
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES DECEMBER 3, 2002

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: **JAPAN**

This public document

2. has been signed by **Hiroshi SAKURAI**

3. acting in the capacity of **Director of the Tokyo Legal Affairs Bureau**

4. bears the seal/stamp of

Certified

5. at **Tokyo**

6. **FEB 4 1999**

7. by the **Ministry of Foreign Affairs**

8. 99 - No 012554

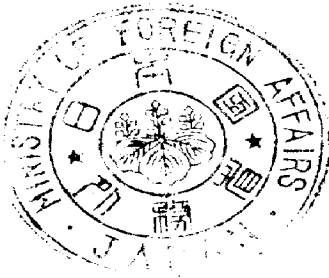
9. Seal/stamp:

10. Signature:



Takashi SUZUKI

For the Minister for Foreign Affairs



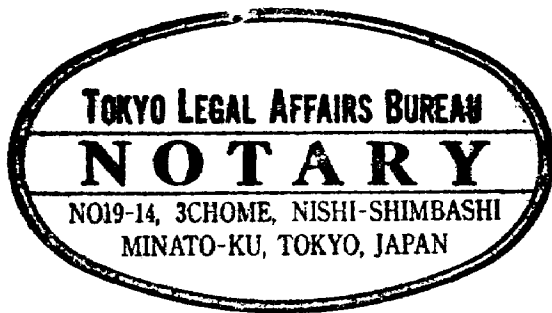


Registered No. 18

NOTARIAL CERTIFICATE

This is to certify that Kazuto Tominaga, Intellectual Property Manager of Idemitsu Petrochemical Co., Ltd., has affixed his signature in my very presence to the attached document.

Dated this 4th day of February, 1999.



Akira Gomi

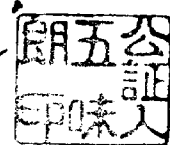
AKIRA GOMI

NOTARY

Tokyo Legal Affairs Bureau

19-14,3-chome,Nishishimbashi

Minato-ku,Tokyo,Japan





平成 11 年 登 簿 第 18 号

認 証

出 光 石 油 化 学 株 式 会 社
知 的 財 産 に 関 す る 管 理 者
富 永 一 途

は、本職の面前において、別紙書面に署名した。

よつて、これを認証する。

平成 11 年 2 月 4 日、本公証人役場において
東京都港区西新橋三丁目拾九番拾四号

東京法務局所属

公証人

五 味 朗

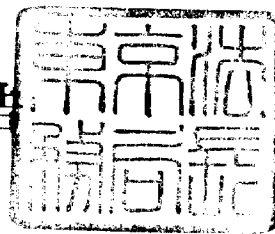


証 明

上記署名は、東京法務局所属公証人の署名に相違ないものであり、かつ、その押印は、真実のものであることを証明する。

平成 11 年 2 月 4 日

東京法務局長 櫻 井 浩



CERTIFICATE

This is to certify that the signature affixed above has been provided by Notary, duly authorized by the Tokyo Legal Affairs Bureau and that the Official Seal appearing on the same is genuine.

Date FEB 4 1999

Hiroshi SAKURAI
Director of the Tokyo Legal Affairs Bureau



ADDENDUM

PATENT NUMBER

5,254,647
5,283,117
5,306,790
5,318,839
5,597,879
5,037,907

ISSUE DATE

October 19, 1993
February 01, 1994
April 26, 1994
June 07, 1994
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August 06, 1991