

09-11-2000

09/622469

FILE NO. A33452 P. 1 USA



1 SHEET

U.S. DEPARTMENT OF COMMERCE

534 Rec'd PCT/PTO 17 AUG 2000
Patent and Trademark Office

101453543

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

1. Name of conveying party(ies): Hirofumi Ohtsuka,
Takeshi Tabata, Takatoshi Nakahira, Masataka
Masuda, and Takenori HiranoAdditional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

3. Nature of conveyance:

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

2. Name and address of receiving party(ies)

Name: OSAKA GAS COMPANY LIMITED

Address: 1-2, Hiranomachi 4-chome, Chuo-ku,
Osaka-shi, Osaka 541-0046 Japan

City: _____ State: _____ Zip: _____

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

09/622469

Execution Date: July 31, 2000

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 July 31, 2000

A. Patent Application No.(s)

B. Patent No.(s)

08/22/2000 LLANDGRA 00000015 09622469

04 FC:581

40.00 UP

Additional numbers attached?

☐ Yes☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Ronald B. Hildreth

BAKER BOTTS L.L.P.

Address: 30 Rockefeller Plaza - 44 Fl.

City: New York State: NY Zip: 10112

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

8. Deposit account number:

02-4377

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

DO NOT USE THIS SPACE

9. Statement and signature

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

Paul A. Ragusa, PTO#38,587

Name of Person Signing

Signature

August 17, 2000

Date

Total number of pages including cover sheet, attachments and document: 6

A S S I G N M E N T

WHEREAS, WE, (1)CHISUKA Hirofumi, (2)TABATA Takeshi,
(3)NAKAHARA Takatoshi, (4)MASUDA Masataka and (5)HIRANO Takemichi citizens of
Japan, respectively, whose
post office addresses are See the attached sheet.

_____ , respectively, have made an invention entitled "CATALYST FOR REMOVING HYDROCARBONS FROM EXHAUST GAS AND METHOD FOR PURIFICATION OF EXHAUST GAS" as set forth and described in application for Letters Patent of the United States, Serial No. _____, filed _____; and

WHEREAS, OSAKA GAS COMPANY LIMITED, a corporation organized and existing under the laws of Japan, and having an office for the transaction of business at 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said OHISUKA Hirofumi, TABATA Takeshi,
NAKAHARA Takatoshi, MASUDA Masataka and HIRANO Takenori, for and
in consideration of the sum of One Dollar (\$1.00), lawful
money of the United States, to us in hand paid by said
OSAKA GAS COMPANY LIMITED

moving from said OSAKA GAS COMPANY LIMITED, and other valuable considerations unto us OSAKA GAS COMPANY LIMITED

_____, at or before the
 ensembling and delivery of these presents, the receipt of
 which is hereby acknowledged, have sold, assigned, trans-
 ferred and conveyed and by these presents do sell, assign,
 transfer and convey, unto said OSAKA GAS COMPANY LIMITED
 _____, its
 successors and assigns, the entire right, title and interest
 in and to the said invention entitled "CATALYST FOR REMOVING
HYDROCARBONS FROM EXHAUST GAS AND METHOD FOR PURIFICATION OF EXHAUST GAS
 " as set forth and described in application for Letters
 Patent of the United States, Serial No. _____,
 filed _____, and any and all improvements
 thereon, and in and to said application and any division,
 continuation or continuation-in-part thereof, and in and to
 any Letters Patent of the United States which may be issued
 on any of said applications, and any reissues thereof, and
 in and to any and all applications for Letters Patent filed
 in foreign countries for said invention or improvements
 including all priority rights, and any and all Letters
 Patent which may be granted in foreign countries therefor,
 TO HAVE AND TO HOLD THE SAME to the full end of the term or
 terms for which any and all said Letters Patent may be
 granted;

AND WE, the said OHISUKA Hirofumi, TABATA Takeshi,
NAKAHARA Takatoshi, MASUDA Masataka and HIRANO Takenori, do hereby

authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said OSAKA GAS COMPANY LIMITED, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said OSAKA GAS COMPANY LIMITED, its successors and assigns;

AND WE, the said OHTSUKA Hirofumi, TABATA Takeshi, NAKAHIRA Takatoshi, MASUDA Masataka and HIRANO Takenori, for the considerations aforesaid, do hereby covenant and agree to and with said OSAKA GAS COMPANY LIMITED, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said OSAKA GAS COMPANY LIMITED, its successors and assigns, may be required or necessary more effectively to secure to and vest in said OSAKA GAS COMPANY LIMITED, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

Subscribed and executed at Japan
(Place)

on July 31, 2000.
(Date)

Hirofumi Ohtsuka
OHTSUKA Hirofumi

Witness: Kunio MATSUMOTO
(Type Name)

Witness: Masahiro IWAMOTO
(Type Name)

Subscribed and executed at Japan
(Place)

on July 31, 2000.
(Date)

Takeshi Tabata

TABATA Takeshi

Witness: K. Matsumoto
(Type Name) KUNIO MATSUMOTO

Witness: Masahiro Iwamoto
(Type Name) Masahiro IWAMOTO

Subscribed and executed at Japan
(Place)

on July 31, 2000.
(Date)

NAKAHIRA Takatoshi

Witness: K. Matsumoto
(Type Name) KUNIO MATSUMOTO

Witness: Masahiro Iwamoto
(Type Name) Masahiro IWAMOTO

Subscribed and executed at Japan
(Place)

on July 31, 2000.
(Date)

Masataka Masuda

MASUDA Masataka

Witness: K. Matsumoto
(Type Name) KUNIO MATSUMOTO

Witness: Masahiro Iwamoto
(Type Name) Masahiro IWAMOTO

Subscribed and executed at Japan
(Place)
on July 31, 2000
(Date)

Takenori Hirano
HIRANO Takenori

Witness: Kunio MATSUMOTO
(Type Name)

Witness: Masahiro IWAMOTO
(Type Name)

Subscribed and executed at _____
(Place)
on _____
(Date)

Witness: _____
(Type Name)

Witness: _____
(Type Name)

Subscribed and executed at _____
(Place)
on _____
(Date)

Witness: _____
(Type Name)

Witness: _____
(Type Name)

(Addresses of the inventors)

(1)OHTSUKA Hirofumi

4-23, Takezono-cho, Ashiya-shi, Hyogo 659-0055, Japan

(2)TABATA Takeshi

16, Higashitsukamoto-cho, Shimogamo, Sakyo-ku, Kyoto-shi,
Kyoto 606-0855, Japan

(3)NAKAHIRA Takatoshi

2-1-25, Minamihatagocho-nishi, Sakai-shi, Osaka 590-0968,
Japan

(4)MASUDA Masataka

1-15-1-605, Higashitsukaguchi-cho, Amagasaki-shi, Hyogo
661-0011, Japan

(5)HIRANO Takenori

1385-2, Kamisababuchi, Izumi-shi, Kagoshima 899-0203,
Japan