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RECORDATION

07-29-2005

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 02610.0044
Attorney Customer Number: 22,852BOX ASSIGNMENTS RECORDATION
...CESTo the Honorable Commissioner of Patents and
Please record the attached original documents1. Name of conveying party(ies):
1) Nobuhisa MIYAKE
2) Tomonari WATANABE2. Name and address of receiving party(ies):
Name: ASAHI KASEI CHEMICALS CORPORATIONAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

Street Address: 1-2, Yuraku-cho 1-chome, Chiyoda-ku,
Tokyo 100-8440 Japan☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

Additional name(s) & Address(es) attached?

Execution Date: January 14, 2005

☐ 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: January 14, 2005

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

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

Name: Mr. Ernest F. Chapman

6. Total number of applications and registrations involved:
1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit accountInternal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT
& DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 06-0916

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.

Ernest F. Chapman
Reg. No. 25,961

Signature

January 28, 2005

Date

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

PATENT
REEL: 016805 FRAME: 0554

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

Method for producing a carbonic ester

(Title of Invention)

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, 19____ (Serial No. _____); and

WHEREAS, Asahi Kasei Chemicals Corporation

(Full Name of Assignee)

a corporation of Japan

(State or Country of Incorporation)

whose post office address is 1-2, Yuraku-cho 1-chome, Chiyoda-ku, Tokyo 100-8440 JAPAN

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee 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 all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, 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 covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with 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 any and 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 and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Japan)
 State of Okayama-ken) ss.
 Subscribed and sworn to before me this 14th day
 of January 2005.
 _____ Notary Public

| | |
|--|-------------------------|
| 1. FULL NAME OF SOLE OR FIRST ASSIGNOR | |
| <u>Nobuhisa MIYAKE</u> | |
| ADDRESS <u>953, Tsurushinden, Tsurajima-cho,</u> <u>Kurashiki-shi, Okayama-ken 712-8006 JAPAN</u> | |
| FIRST ASSIGNOR'S SIGNATURE <u>Nobuhisa Miyake</u> | |
| DATE | <u>January 14, 2005</u> |

SEAL
 County of Japan)
 State of Kanagawa-ken) ss.
 Subscribed and sworn to before me this 14th day
 of January 2005.
 _____ Notary Public

| | |
|---|-------------------------|
| 2. FULL NAME OF SECOND ASSIGNOR, IF ANY | |
| <u>Tomonari WATANABE</u> | |
| ADDRESS <u>3-6-2, Sakuramori, Yamato-shi,</u> <u>Kanagawa-ken 242-0028 JAPAN</u> | |
| SECOND ASSIGNOR'S SIGNATURE <u>Tomonari Watanabe</u> | |
| DATE | <u>January 14, 2005</u> |

SEAL
 County of _____)
 State of _____) ss.
 Subscribed and sworn to before me this _____ day
 of _____
 _____ Notary Public

| | |
|--|--|
| 3. FULL NAME OF THIRD ASSIGNOR, IF ANY | |
| ADDRESS | |
| THIRD ASSIGNOR'S SIGNATURE | |
| DATE | |

Listing of Inventors Continued on Page 2 hereof. ☐ Yes ☐ No

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER • WASHINGTON, D.C.

FHFGH FORM 101 September 96