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Form PTO-1595
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3-15-99 Q53660

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PATENT UNIT

To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshichika UMEMOTO, Toshio NAKATANI and Kimio OHUCHI

Additional name(s) of conveying party(ies) attached?

☐ yes ☒ no

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

Name:

DAIICHI KIGENSO KAGAKU KOGYO CO., LTD.

Internal Address:

1-6-38, Hirabayashiminami, Suminoe-ku, Osaka-shi, Osaka-

Japan

Street Address:

Same as above

City

State

Zip

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

☐ yes ☒ no

3. Nature of Conveyance:

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

Execution Date: March 4, 1999

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

09/ 267,637

If this document is being filed together with a new application, the execution date of the application is:
March 4, 1999

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE, MIOW, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-32026. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41):

\$ 40.00

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

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7. 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.

Name Waddell A. Biggart Reg. No. 24,861

March 15, 1999

Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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

Assistant Commissioner for Patents

Box Assignments

Washington, D.C. 20231

PATENT
REEL: 9829 FRAME: 0236

Assignment

Whereas, I/We, Yoshichika UMEMOTO, Toshio NAKATANI and Kimio OHUCHI of

c/o DAIICHI KIGENSO KAGAKU KOGYO CO., LTD.,
1-6-38, Hirabayashiminami, Suminoe-ku, Osaka-shi
Osaka-fu, Japan

hereinafter called assignor(s), have invented certain improvements in

CERIUM- AND ZIRCONIUM-BASED MIXED OXIDE, METHOD OF
PRODUCING SAME AND CATALYST MATERIAL FOR EXHAUST GAS PURIFICATION

and executed an application for Letters Patent of the United States of America therefor on

March 4, 19 99 ; and

Whereas, DAIICHI KIGENSO KAGAKU KOGYO CO., LTD., of
1-6-38, Hirabayashiminami, Suminoe-ku, Osaka-shi,
Osaka-fu, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: Mar. 4, 1999 s/ YOSHICHIKA UMEMOTO
Yoshichika UMEMOTO

Date: Mar. 4, 1999 s/ TOSHIO NAKATANI
Toshio NAKATANI

Date: Mar. 4, 1999 s/ KIMIO OHUCHI
Kimio OHUCHI

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)