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Wataru OGUCHI, Katsuyuki TSUJI, Takashi TATSUMI
and Peng WU

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

☐ yes

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

SHOWA DENKO K.K.
13-9, Shiba Daimon 1-chome, Minato-ku,
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3. Nature of Conveyance:

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Execution Date: October 22, 2001

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: October 22, 2001

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B. Patent No.(s)

Additional numbers attached?

☐ Yes

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:

1

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

SHOWA DENKO K.K.

13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

Crystalline MWW-Type Titanosilicate Catalyst for Producing Oxidized Compound,
Production Process for the Catalyst, and Process for Producing Oxidized Compound,
by Using the Catalyst

relating to International Patent Application PCI/JP 01 / 08469 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

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of execution
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(a) executed on _____;

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_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) Wataru Oguchi Wataru Oguchi October 22, 2001
(SIGNATURE) (TYPE NAME) (DATE)

2) Katsuyuki Tsuji Katsuyuki Tsuji October 22, 2001
(SIGNATURE) (TYPE NAME) (DATE)

3) Takashi Tatsumi Takashi Tatsumi October 22, 2001
(SIGNATURE) (TYPE NAME) (DATE)

4) Peng Wu Peng Wu October 22, 2001
(SIGNATURE) (TYPE NAME) (DATE)

5) _____ (SIGNATURE) _____ (TYPE NAME) _____ (DATE)

6) _____ (SIGNATURE) _____ (TYPE NAME) _____ (DATE)

7) _____ (SIGNATURE) _____ (TYPE NAME) _____ (DATE)

8) _____ (SIGNATURE) _____ (TYPE NAME) _____ (DATE)