

11-05-1999

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

1. Name of conveying party(ies):
Manabu OHIRA, Junichi TORISU, Yasuyuki HOSHINO, Yuji
SAKAI and Andrei S. KUZNETSOVAdditional name(s) of conveying party(ies) attached?
___ yes ___ ☒ no

3. Nature of Conveyance:

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

Execution Date: October 18, 1999

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

Name:
SHOWA DENKO K.K.
Internal Address:
13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, Japan
Street Address:
Same as above

City State Zip

Additional name(s) & address(es) attached?
___ yes ___ ☒ noJ0675 U.S. PTO
09/429278
10/28/99

4. Application number(s) or patent number(s): 09 / 429278

If this document is being filed together with a new application, the execution date of the application is:
October 18, 1999

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? ___ Yes ___ ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:SUGHRUE, MION, ZINN, MACPEAK & SEAS
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One (1)7. Total Fee (37 CFR 3.41): \$ 40.00
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Name Waddell A. Biggart Reg. No. 24,861

October 28, 1999
Date

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PATENT
REEL: 010353 FRAME: 0952

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)

METHOD FOR TREATING EXHAUST GAS CONTAINING FLUORINE-CONTAINING

INTERHALOGEN COMPOUND, AND TREATING AGENT AND TREATING APPARATUS

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

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on October 18, 1999;

(b) filed on October 28, 1999;
Serial No. _____;

(_____) 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) <u>Manabu Ohira</u> (SIGNATURE)	<u>Manabu Ohira</u> (TYPE NAME)	<u>October 18, 1999</u> (DATE)
2) <u>Junichi Torisu</u> (SIGNATURE)	<u>Junichi Torisu</u> (TYPE NAME)	<u>October 18, 1999</u> (DATE)
3) <u>Yasuyuki Hoshino</u> (SIGNATURE)	<u>Yasuyuki Hoshino</u> (TYPE NAME)	<u>October 18, 1999</u> (DATE)
4) <u>Yuji Sakai</u> (SIGNATURE)	<u>Yuji Sakai</u> (TYPE NAME)	<u>October 18, 1999</u> (DATE)
5) <u>Andrei S. Kuznetsov</u> (SIGNATURE)	<u>Andrei S. Kuznetsov</u> (TYPE NAME)	<u>October 18, 1999</u> (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)