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To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:

- 1) Koichiro NAKATANI
- 2) Shinya HIROTA
- 3) Kazuhiro ITOH
- 4) Takamitsu ASANUMA
- 5) Koichi KIMURA
- 6) Kiyoshi NAKANISHI
- 7) Toshiaki TANAKA

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

Yes No

2. A. Name and address of receiving party:

TOYOTA JIDOSHA KABUSHIKI KAISHA
1, TOYOTA-CHO
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JAPAN

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

Yes No

3. A. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

B. Execution Date: 1, 2, 4, 5) November 5, 2001; 3, 6, 7) November 7, 2001

4. A. If this document is being filed together with a new application, the execution date of the application is: 1, 2, 5) November 5, 2001; 3, 4, 6, 7) November 7, 2001

B. Patent Application No.(s) _____

C. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 125246)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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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

Date: November 26, 2001

James A. Oliff, Registration No. 27,075
Thomas J. Pardini, Registration No. 30,411

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

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

TOYOTA JIDOSHA KABUSHIKI KAISHA

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

1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 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

EXHAUST GAS PURIFICATION DEVICE

(Title of
Invention)

relating to International Patent Application PCT/JP 01 / 02506 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on November 5, 2001
November 7, 2001;

(b) filed on November 26, 2001,
Serial No. / ;

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

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

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) Koichiro Nakatani Koichiro Nakatani November 5, 2001
(SIGNATURE) (TYPE NAME) (DATE)

2) Shinya Hirota Shinya Hirota November 5, 2001
(SIGNATURE) (TYPE NAME) (DATE)

3) Kazuhiro Itoh Kazuhiro Itoh November 7, 2001
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4) Takamitsu Asanuma Takamitsu Asanuma November 5, 2001
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5) Koichi Kimura Koichi Kimura November 5, 2001
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6) Kiyoshi Nakanishi Kiyoshi Nakanishi November 7, 2001
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7) Toshiaki Tanaka Toshiaki Tanaka November 7, 2001
(SIGNATURE) (TYPE NAME) (DATE)

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