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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Daisuke SUNOHARA;
Susumu KOUKETSU;
Shinji NAKAYAMA;
Keiki TANABE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) August 22, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: MITSUBISHI FUSO TRUCK AND BUS CORPORATION

Internal Address: _____

Street Address: 16-4, Konan 2-chome

City: Minato-ku

State: Tokyo

Country: Japan Zip: 108-8285

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

RNEBRAHT 00000016 11234432

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: ROSSI, KIMMS & McDOWELL LLP

Internal Address: _____

Street Address: P.O. BOX 826

City: ASHBURN

State: VA Zip: 20146-0826

Phone Number: 703-726-6020

Fax Number: 703-726-6024

Email Address: mail@rkmlgroup.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

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9. Signature:

Signature

Date

Marc A. Rossi

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

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PATENT
REEL: 017030 FRAME: 0264

0500068 US
FFM7 1057 US

*** ASSIGNMENT ***

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to:

Name: MITSUBISHI FUSO TRUCK AND BUS CORPORATION

Address: 16-4, Konan 2-chome, Minato-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as:

Title: APPARATUS AND METHOD FOR ESTIMATING NOx TRAP CATALYST ADSORPTION AMOUNT

identified by the Assignee as _____ and ATTORNEY DOCKET NUMBER NAGA: 012 for which the undersigned has (have) executed and filed an application for patent in the United States of America on the date _____ and now designated as U.S. Patent Application Serial No. _____.

The undersigned hereby agree(s) to: (1) execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient; (2) execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; (3) execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention of Protection of Industrial Property or similar agreements; and (4) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said applications or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned have full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed and will not execute any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of ROSSI & ASSOCIATES the power to insert on this assignment any further identification, including but not limited to the ATTORNEY DOCKET NUMBER, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the signature(s) of the undersigned:

Print Name	Date	Signature
(1) <u>Daisuke SUNOHARA</u>	<u>08/22/2005</u> Month/Day/Year	<u>Daisuke Sunohara</u>
(2) <u>Susumu KOUKETSU</u>	<u>08/22/2005</u> Month/Day/Year	<u>Susumu Kouketsu</u>
(3) <u>Shinji NAKAYAMA</u>	<u>08/22/2005</u> Month/Day/Year	<u>Shinji Nakayama</u>
(4) <u>Keiki TANABE</u>	<u>08/22/2005</u> Month/Day/Year	<u>Keiki Tanabe</u>
(5) _____	_____ Month/Day/Year	_____
(6) _____	_____ Month/Day/Year	_____

This assignment should preferably be signed before: a Notary Public if within the United States of America; a U.S. Consul if outside the United States of America; or before at least two witnesses. Witnessed by:

(1) _____	_____ Month/Day/Year	_____
(2) _____	_____ Month/Day/Year	_____