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1. A. Name of conveying parties:

- (1) Mikio INOUE
 (2) Kohei YOSHIDA
 (3) Yuki BISAJI
 (4) Kazuhiro UMEMOTO

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

☐ Yes ☒ No

2. A. Name and address of receiving party:

TOYOTA JIDOSHA KABUSHIKI
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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: September 29, 2011-ALL

4. A. Patent Application No. 13/264,594

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: EXHAUST PURIFICATION SYSTEM OF INTERNAL COMBUSTION ENGINE

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

Name: James A. Oliff

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6. Total number of applications and patents involved: 1

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

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James A. Oliff, Registration No. 27,075
 Michelle K. Windom, Registration No. 65,466

Date: October 14, 2011

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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))

TOYOTA JIDOSHA KABUSHIKI KAISHA

1, Toyotacho, Toyota-shi, Aichi 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

(Title of
Invention)

EXHAUST PURIFICATION SYSTEM OF INTERNAL COMBUSTION ENGINE

relating to International Patent Application PCT/JP 2010 / 073645 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 _____

(b) filed on 10/14/2011Serial No. 13/264,594

Assignee's attorney 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>Mikio Inoue</u> (SIGNATURE)	Mikio Inoue (TYPE NAME)	September 29, 2011 (DATE)
2) <u>Kohei Yoshida</u> (SIGNATURE)	Kohei Yoshida (TYPE NAME)	September 29, 2011 (DATE)
3) <u>Yuki Bisaiji</u> (SIGNATURE)	Yuki Bisaiji (TYPE NAME)	September 29, 2011 (DATE)
4) <u>Kazuhiro Umemoto</u> (SIGNATURE)	Kazuhiro Umemoto (TYPE NAME)	September 29, 2011 (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
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PATENT