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To the Director of the U.S. Patent and Trademark Office

documents the new address(es) below.

1. Name of conveying party(ies):Hideki KUBONOYA
Masaharu TANAKA
Toshiya OISHI
Masami KONDOAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**December 06, 2006, December 06, 2006,
December 06, 2006, and December 06,
2006, respectively

Execution Date(s):

- ☒ 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):Toyota Jidosha Kabushiki Kaisha
1, Toyota-cho
Toyota-shi, Aichi-ken, 471-8571
JapanAdditional name(s) & address(es) attached? ☐ Yes ☒ No112921 U.S. PTO
11/657598
012507**4. Application number(s) or patent number(s):**

A. Patent Application No.(s)

☒ This document is being filed together with a new application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER**6. Total number of applications and patents involved:**
1**7. Total fee (37 CFR 1.21(h) & 3.41):** \$40.00

- ☐ Authorized to be charged by credit card
- ☐ Authorized to be charged to Deposit Account No. 19-4880.
- ☒ Enclosed.
- ☐ None required (government interest not affecting title)

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9. Signature:

William H. Mandir

Reg. No. 32,156

January 25, 2007

Date

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

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40.00 OP

Assignment

Whereas, I/We, Hideki KUBONOYA, Masaharu TANAKA, Toshiya OISHI and Masami KONDO, all of Toyota-shi, Aichi-ken, Japan hereinafter called assignor(s), have invented certain improvements in

CONTROL APPARATUS AND METHOD OF AN INTERNAL COMBUSTION ENGINE

and executed an application for Letters Patent of the United States of America therefor on _____; and

Whereas, TOYOTA JIDOSHA KABUSHIKI KAISHA (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____, filed _____) the application number and filing date of said application when known.

Date: December 6, 2006 Hideki Kubonoya
s/ Hideki KUBONOYA

Date: December 6, 2006 ^{M.T.} Masaharu Tanaka
s/ Masaharu TANAKA

Date: December 6, 2006 Toshiya Oishi
s/Toshiya OISHI

Date: December 6, 2006 Masami Kondo
s/Masami KONDO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)