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1. Name of conveying party(ies)
 Masakazu TABATA
 Tomohiro KANEKO

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

2. Name and address of receiving party(ies)
 Name: TOYOTA JIDOSHA KABUSHIKI KAISHA
 Internal Address: _____

 Street Address: 1, Toyota-cho, Toyota-shi, Aichi,
JAPAN 471-8571
 City: _____
 State: _____
 Country: _____ Zip: _____

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 03 October 2006

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

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)
11/597789

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: David J. Zibelli
 Internal Address: KENYON & KENYON LLP
 Street Address: 1500 K Street, N.W., Suite 700
 City: Washington
 State: DC Zip: 20005
 Phone Number: 202-220-4200
 Fax Number: 202-220-4201
 Email Address: DZibelli@Kenyon.com

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
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 11-0600
 Authorized User Name KENYON & KENYON LLP

9. Signature: Shawn W. O'Dowd 28 November 2006
 Signature Date
 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 4

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PATENT
REEL: 018626 FRAME: 0521

ASSIGNMENT

WHEREAS, WE,

Masakazu TABATA and Tomohiro KANEKO

have invented new and useful improvements in CONTROLLER OF INTERNAL
COMBUSTION ENGINE

for which we are about to make application for Letters Patent of the United States, said application having been executed on even date hereof; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA,

a company organized under the laws of Japan, with a place of business at 1, Toyota-cho, Toyota-shi, Aichi 471-8571, Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, in consideration of the equivalent of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by the Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to the Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize the Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of the Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue or transfer all said Letters Patent to the Assignee, as the assignee of the entire right, title, and interest therein or otherwise as the Assignee may direct.

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to the Assignee without encumbrance.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon the Assignee's request and at the Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to the Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by the Assignee; to communicate to the Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish the Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.