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**1. Name of conveying party(ies):**  
Tadashi TAMURA  
Akira HINO  
Takashi YUMOTO  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies):**  
Toyota Jidosha Kabushiki Kaisha  
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Japan



**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s): January 12, 2007, January 12, 2007,  
January 12, 2007

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

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

**4. Application number(s) or patent number(s):**  
A. Patent Application No.(s)  
  
Additional numbers attached?  Yes  No

This document is being filed together with a new application  
B. Patent No.(s)

**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.  
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 None required (government interest not affecting title)

**8. Deposit Account Number:**  
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**9. Signature:**  
  
William H. Mandir Reg. No. 32,156

March 12, 2007  
Date

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## Assignment

Whereas, I/We, Tadashi TAMURA, Akira HINO and Takashi YUMOTO of Nishikamo-gun, Aichi-ken, Japan, Toyota-shi, Aichi-ken, Japan and Okazaki-shi, Aichi-ken, Japan hereinafter called assignor(s), have invented certain improvements in POWERTRAIN CONTROL APPARATUS AND METHOD

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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date: January 12, 2007 Tadashi Tamura  
s/ Tadashi TAMURA

Date: January 12, 2007 Akira Hino  
s/ Akira HINO

Date: January 12, 2007 Takashi Yumoto  
s/ Takashi YUMOTO

Date: \_\_\_\_\_  
s/

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