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## 1. A. Name of conveying parties:

[1] Satoshi YOSHIZAKI  
[2] Shuntaro OKAZAKI  
[3] Masashi SHIBAYAMA  
[4] Kaoru SHOKATSU  
[5] Hajime KAWAKAMI

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

☐ Yes ☒ No

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☐ Yes ☒ No

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B. Execution Date: [1] - 05/31/2013;  
[2] - 06/03/2013; [3] - 06/06/2013;  
[4] - 06/05/2013 and [5] - 06/04/2013

4. A. Patent Application No. 13/997,810

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ NoC. Title of Application: INTERNAL COMBUSTION ENGINE CONTROL APPARATUS

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

Name: James A. Oliff

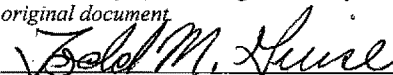
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6. Total number of applications and patents involved: 17. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

  
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Date: June 25, 2013**PATENT**

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TSN201061831US00  
TY2352USASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Satoshi YOSHIZAKI  
(3) Masashi SHIBAYAMA  
(5) Hajime KAWAKAMI

(2) Shuntaro OKAZAKI  
(4) Kaoru SHOKATSU

who have made a certain new and useful invention, hereby sell, assign and transfer unto

TOYOTA JIDOSHA KABUSHIKI KAISHA

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its successors and assigns ( hereinafter designated "ASSIGNEE" ) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

INTERNAL COMBUSTION ENGINE CONTROL APPARATUS

for which an application for United States Letters Patent was executed on even date herewith.

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

## INVENTORS

## DATE SIGNED

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