

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                      |
| <b>CONVEYING PARTY DATA</b>   |                                 |
| <b>Name</b>   | <b>Execution Date</b>           |
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| Masanao IDOGAWA   | 10/01/2018                      |
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| <b>Property Type</b>  | <b>Number</b>                   |
| Application Number:   | 16160591                        |
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| <b>SIGNATURE:</b>   | /Varsha Ravichandran/           |
| <b>DATE SIGNED:</b>   | 10/15/2018                      |
| <b>Total Attachments: 1</b>   |                                 |
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ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

**TOYOTA JIDOSHA KABUSHIKI KAISHA**

(hereinafter referred to as "ASSIGNEE"), which has a business office at

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

CONTROLLER FOR INTERNAL COMBUSTION ENGINE AND  
METHOD FOR CONTROLLING INTERNAL COMBUSTION ENGINE

for which I (we) have executed an application for a United States Letters Patent on October 1, 2018. (Application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Sohichij Imai Date: October 1, 2018  
Name: Sohichi IMAI

2) Masanao Idogawa Date: October 1, 2018  
Name: Masanao IDOGAWA

Witness: Yasumichi Inoue Date: October 1, 2018